



## Hochschulbibliografie 2016



# **Hochschulbibliografie der Medizinischen Hochschule Hannover**

## **Berichtsjahr 2016**

erstellt in der Bibliothek  
der Medizinischen Hochschule Hannover

# MHH-Hochschulbibliografie 2016

Sehr geehrte Damen und Herren,

die nunmehr neunte Jahresausgabe der Hochschulbibliografie verzeichnet in gewohnter Weise die Publikationen von MHH-Autoren, die im Rahmen der Datenerhebung zur Berechnung der leistungsorientierten Mittelvergabe (LOM) der Bibliothek gemeldet wurden. Die hier vorliegende Liste des Berichtszeitraumes 2016 enthält auch Publikationen mit Drucklegung 2017 sofern die elektronische Erstveröffentlichung bereits 2016 stattfand.

Ergänzt wird die Sammlung durch die an die Bibliothek abgelieferten MHH-Hochschulschriften (Habilitationen, Dissertationen etc.) sowie weiteren Publikationsarten, die für die LOM-Berechnung nicht herangezogen werden und zum Teil auch nicht im [Forschungsbericht](#) verzeichnet werden (Abstracts, Letter, Comments, Case reports etc.). Darüber hinaus werden auch gemeldete Vorträge und Poster verzeichnet.

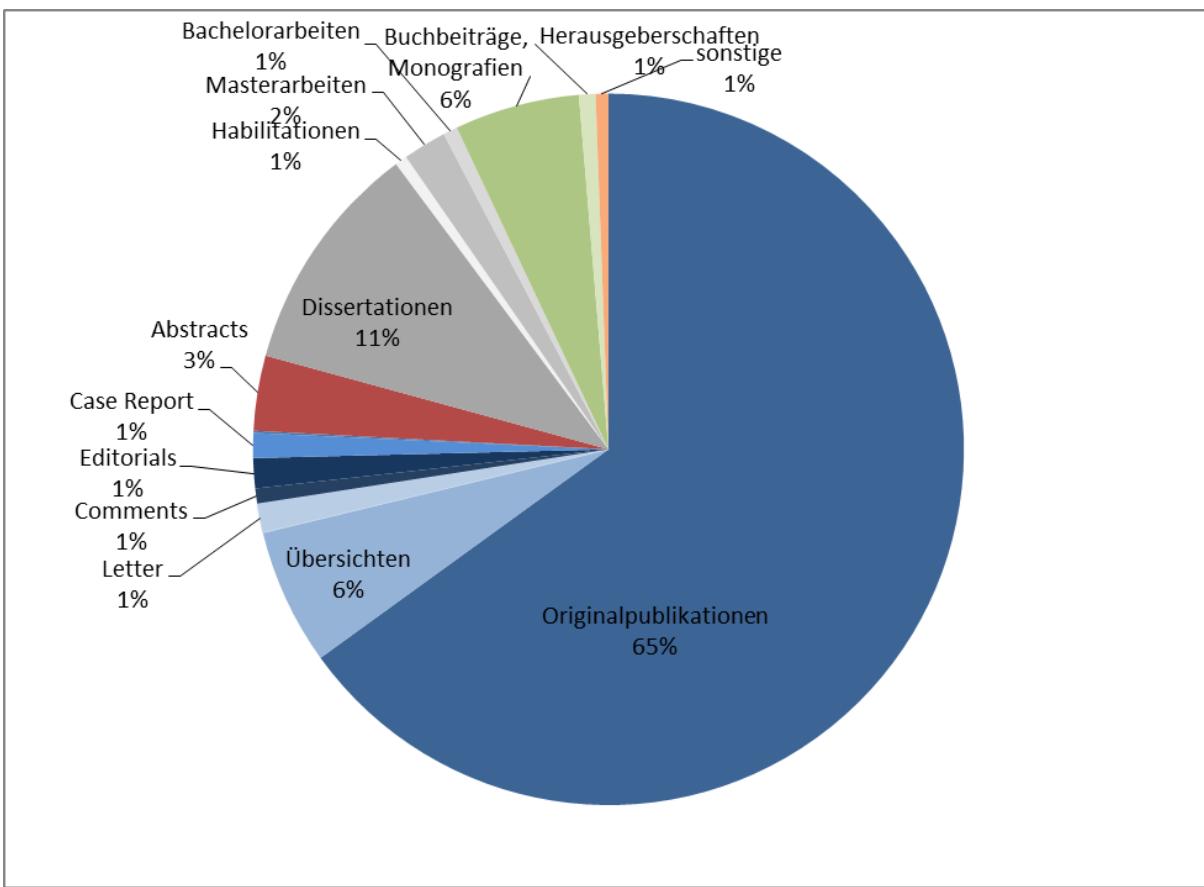
Die Sortierung nach Abteilungen folgt der Darstellung des Gliederungsplans der MHH. Die Veröffentlichungen sind den Abteilungen zugeordnet, in denen sie entstanden sind, bzw. für die die LOM-Berechnung erfolgt. Die Entwicklung der Verteilung auf die verschiedenen Publikationsarten stellt sich wie folgt dar:

	2011	2012	2013	2014	2015	2016
<b>Zeitschriftenliteratur</b>						
Originalpublikationen	1880	1907	1940	1961	1979	1908
Übersichten	237	226	229	197	196	182
Letter	46	45	43	30	28	39
Comments	16	18	23	23	13	20
Editorials	40	46	35	37	47	40
Case Reports		33	40	38	34	33
<b>Kongressbeiträge</b>						
Vorträge	14	63	26	2	3	3
Abstracts	90	96	229	216	192	100
Poster	4	25	17	5	7	5
<b>Hochschulschriften</b>						
Dissertationen	311	326	349	347	319	310
Habilitationen	33	44	20	30	28	16
Masterarbeiten	54	48	75	54	39	58
Diplomarbeiten	7	1	5	1	0	1
Bachelorarbeiten	18	24	29	30	26	19
<b>Buchveröffentlichungen</b>						
Buchbeiträge, Monografien	226	243	191	159	141	167
Herausgeberschaften	19	19	11	19	12	22
<b>Summen</b> (sowie sonstige, Mehrfach-nennungen möglich. Stand November 2016)	<b>3005</b>	<b>3163</b>	<b>3224</b>	<b>3166</b>	<b>3073</b>	<b>2940</b>

Während alle in der Hochschulbibliografie verzeichneten Publikationen von der Bibliothek im Rahmen des Daten-transfers und der Verifikation in verschiedenen Datenbanken geprüft wurden, entstammen die Zuordnungen zu einem Publikationstyp sowie der beteiligten Abteilungen den Publikationsmeldungen an die Bibliothek.

Für das Jahr 2016 ergibt sich folgende Verteilung der Publikationsarten auf die Gesamtmenge:

## Publikationsarten 2016

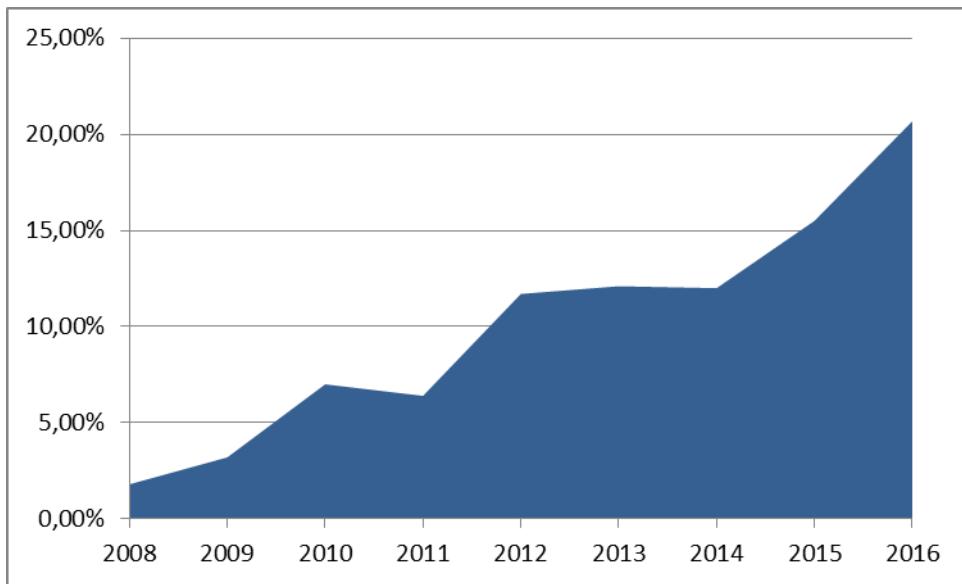


Die folgende Übersicht zeigt eine Rangliste der am häufigsten zur Publikation genutzten Zeitschriften unabhängig vom Publikationstyp.

Zeitschrift	Publikationen
PLoS One	49
Sci.Rep.	35
Oncotarget	21
Stud.Health Tecnol.Inform.	15
Internist	15
Dtsch.Med.Wochenschr.	15
Leukemia	14
Lancet	13
Nat.Commun.	13
Eur.J.Cardiothorac.Surg.	13

Der Anteil an Open Access Publikationen nimmt seit Jahren zu, dabei wurden hier nur Artikel aus reinen Open Access Zeitschriften gezählt. Die Zahl der tatsächlich frei zugänglichen Artikel wird noch etwas höher liegen. Die hier dargestellten Zahlen beziehen sich auf alle in der Hochschulbibliografie vertretenen Publikationsarten, also auch frei im Netz abrufbare Dissertationen.

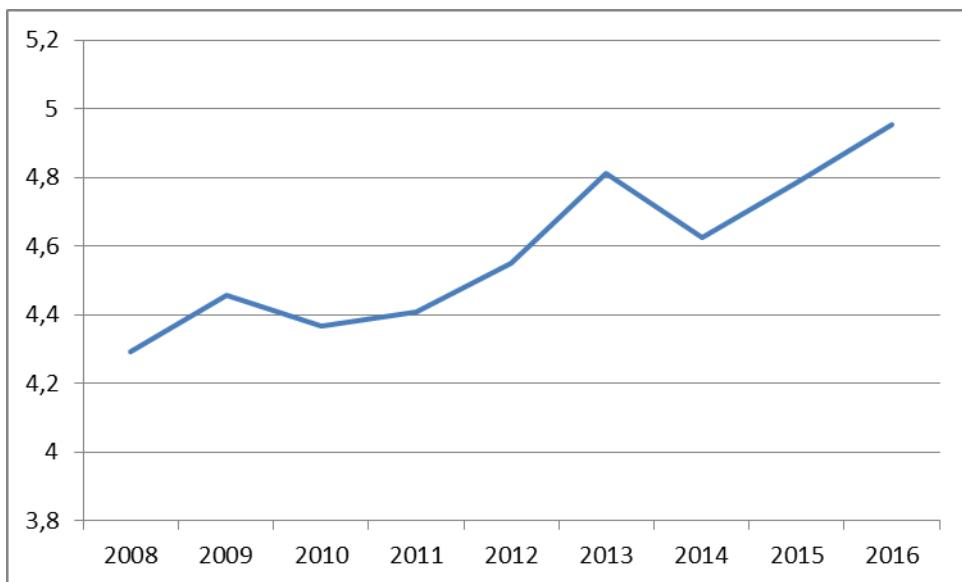
### **Anteil der Open-Access-Veröffentlichungen:**



Die im bibliografischen Teil aufgeführten Impact Faktoren sind den Journal Citation Reports (JCR) ed. 2015 entnommen. Sie dienten zur Berechnung der leistungsorientierten Mittel und erlauben eine Einschätzung der Zitationsrate der entsprechenden Zeitschriften.

Der Mittelwert der Impact Faktoren aus den einzelnen Jahrgängen zeigt einen langfristigen Aufwärtstrend.

### **Mittlerer Impact Faktor:**



Diese statistischen Auswertungen der bibliografischen Daten sind nur Momentaufnahmen. Die Bibliografie wächst nicht nur mit neuen Berichtszeiträumen, sondern auch retrospektiv, durch Nachmeldungen und Korrekturen an Daten vergangener Jahrgänge.

Ergänzend sei an dieser Stelle an die tagesaktuelle und jahrgangsübergreifende Datenbankversion der Hochschulbibliografie erinnert. Sie ist über das [Internet](#) zugänglich. Hier sind auch komplexere Recherchen, Datenexport, bibliografische Aufbereitung etc. für die Öffentlichkeit möglich. Einen schnellen Einstieg bietet [PuDalys](#). Das Publikations-Datenbank und Analyse-Tool der MHH-Bibliothek bietet einen übersichtlichen Zugriff auf die hoch-

schulbibliografischen Daten. Darüber hinaus sind hier auch verschiedene Auswertungen (z.B. nach hochschulinternen Kooperationen etc.) möglich

**Screenshot aus dem Analysebereich von Pudalys:**

The screenshot shows the Pudalys interface with the following sections:

- Publikationsverhalten der MHH: Auswertung nach**
  - Publikationsarten: von 2016 bis 2016, Statistik abrufen
  - Zeitschriftentitel: von 2016 bis 2016, Statistik abrufen
  - Open Access: von 2016 bis 2016, Statistik abrufen
  - internen Kooperationen: von 2016 bis 2016, Statistik abrufen
  - häufigsten Schlagwörtern (MeSH): von 2016 bis 2016, Statistik abrufen
- Publikationsverhalten der Abteilungen/OE: Auswertung nach**
  - Publikationsarten der Abteilung/OE: (empty input field) von 2016 bis 2016, Statistik abrufen
  - internen Kooperationen der Abteilung/OE: (empty input field) von 2016 bis 2016, Statistik abrufen

Weitere Informationen zum Komplex Hochschulbibliografie finden Sie auf der [Homepage](#) der MHH-Bibliothek  
Die Bibliothek dankt allen Mitarbeiterinnen und Mitarbeitern in den Abteilungen für ihre Kooperation nicht nur bei den Meldungen neuer Publikationen, sondern auch für die Hinweise zu einzelnen Einträgen oder der generellen Nutzbarkeit der Bibliografie.

MHH-Bibliothek im Mai 2017

# Inhalt

<a href="#">Kliniken/Institute der Sektion I</a> .....	12
<a href="#">Zentrum Anatomie</a> .....	12
<a href="#">Institut für Funktionelle und Angewandte Anatomie – 4120</a> .....	12
<a href="#">Niedersachsenprofessur Immunmorphologie – 4160</a> .....	14
<a href="#">Institut für Neuroanatomie und Zellbiologie – 4140</a> .....	15
<a href="#">Institut für Zellbiologie im Zentrum Anatomie – 4130</a> .....	16
<a href="#">Zentrum Physiologie</a> .....	16
<a href="#">Institut für Molekular- und Zellphysiologie – 4210</a> .....	16
<a href="#">Institut für Neurophysiologie – 4230</a> .....	17
<a href="#">Zentrum für Biochemie</a> .....	18
<a href="#">Institut für Biophysikalische Chemie – 4350</a> .....	18
<a href="#">Institut für Klinische Biochemie – 4340</a> .....	19
<a href="#">Institut für Physiologische Chemie – 4310</a> .....	20
<a href="#">Institut für Experimentelle Diabetologie - Niedersachsenprofessur – 4360</a> .....	22
<a href="#">Institut für Zelluläre Chemie – 4330</a> .....	22
<a href="#">Kliniken/Institute der Sektion II</a> .....	23
<a href="#">Zentrum Innere Medizin</a> .....	23
<a href="#">Klinik für Gastroenterologie, Hepatologie und Endokrinologie – 6810</a> .....	23
<a href="#">Klinik für Hämatologie, Hämostaseologie, Onkologie und Stammzelltransplantation – 6860</a> .....	33
<a href="#">Institut Experimentelle Hämatologie – 6960</a> .....	40
<a href="#">Klinik für Kardiologie und Angiologie – 6880</a> .....	43
<a href="#">Klinik für Immunologie und Rheumatologie – 6830</a> .....	50
<a href="#">Klinik für Nieren- und Hochdruckerkrankungen – 6840</a> .....	52
<a href="#">Klinik für Pneumologie – 6870</a> .....	57
<a href="#">Zentrum Kinderheilkunde und Jugendmedizin</a> .....	65
<a href="#">Klinik für Pädiatrische Hämatologie und Onkologie – 6780</a> .....	65
<a href="#">Klinik für Pädiatrische Kardiologie und Päd. Intensivmedizin – 6730</a> .....	68
<a href="#">Klinik für Pädiatrische Nieren-, Leber und Stoffwechselerkrankungen – 6720</a> .....	70
<a href="#">Klinik für Pädiatrische Pneumologie, Allergologie und Neonatologie – 6710</a> .....	73
<a href="#">Zentrum Chirurgie</a> .....	77
<a href="#">Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie – 6210</a> .....	77
<a href="#">CRC Core Facility – 8660</a> .....	85

<a href="#">Klinik für Kinderchirurgie – 6760</a>	86
<a href="#">Klinik für Plastische, Ästhetische, Hand- und Wiederherstellungs chirurgie – 6260</a>	88
<a href="#">Klinik für Orthopädie (Annastift) – 6270</a>	89
<a href="#">Klinik für Unfallchirurgie – 6230</a>	93
<a href="#">Klinik für Urologie und Urologische Onkologie – 6240</a>	96
<a href="#">Klinik für Allgemein-, Viszeral- und Transplantationschirurgie – 6220</a>	99
<a href="#">Kliniken/Institute der Sektion II ohne Zentrumszuordnung</a>	102
<a href="#">Klinik für Dermatologie, Allergologie und Venerologie – 6600</a>	102
<a href="#">Forschungsabteilung Immundermatologie und experimentelle Allergologie – 6610</a>	107
<a href="#">Klinik für Frauenheilkunde und Geburtshilfe – 6410</a>	107
<a href="#">Kliniken/Institute der Sektion III</a>	118
<a href="#">Zentrum Radiologie</a>	118
<a href="#">Institut für Diagnostische und Interventionelle Neuroradiologie – 8210</a>	118
<a href="#">Institut für Diagnostische und Interventionelle Radiologie – 8220</a>	120
<a href="#">Klinik für Strahlentherapie und Spezielle Onkologie – 8240</a>	127
<a href="#">Klinik für Nuklearmedizin – 8250</a>	135
<a href="#">Zentrum Neurologische Medizin</a>	137
<a href="#">Klinik für Neurochirurgie – 7240</a>	137
<a href="#">Klinik für Neurologie – 7210</a>	139
<a href="#">Zentrum für Seelische Gesundheit</a>	146
<a href="#">Klinik für Psychiatrie, Sozialpsychiatrie und Psychotherapie – 7110</a>	146
<a href="#">Arbeitsbereich Klinische Psychologie in der Klinik für Psychiatrie, Sozialpsychiatrie und Psychotherapie – 7180</a>	149
<a href="#">Klinik für Psychosomatik und Psychotherapie – 7160</a>	151
<a href="#">Zentrum Augenheilkunde, Hals-Nasen-Ohren-Heilkunde, Phoniatrie und Pädaudiologie</a>	154
<a href="#">Klinik für Augenheilkunde – 6120</a>	154
<a href="#">Klinik für Hals-, Nasen-, Ohrenheilkunde – 6500</a>	155
<a href="#">Abteilung Experimentelle Otologie – 8891</a>	159
<a href="#">Klinik für Phoniatrie und Pädaudiologie – 6510</a>	159
<a href="#">Zentrum Zahn-, Mund- und Kieferheilkunde</a>	160
<a href="#">Klinik für Kieferorthopädie – 7730</a>	160
<a href="#">Klinik für Mund-, Kiefer- und Gesichtschirurgie – 7720</a>	161
<a href="#">Klinik für Zahnärztliche Prothetik und Biomedizinische Werkstoffkunde – 7710</a>	162
<a href="#">Klinik für Zahnerhaltung, Parodontologie und Präventive Zahnheilkunde – 7740</a>	165
<a href="#">Kliniken/Institute der Sektion III ohne Zentrumszuordnung</a>	165

<a href="#">Klinik für Anästhesiologie und Intensivmedizin – 8050</a>	165
<a href="#">Stabsstelle für Interdisziplinäre Notfall- und Katastrophenmedizin – 9050</a>	168
<a href="#">Klinik für Rehabilitationsmedizin – 8300</a>	168
<a href="#">Institut für Sportmedizin – 4250</a>	170
<a href="#">Institut für Allgemeinmedizin – 5440</a>	170
<a href="#">Kliniken/Institute der Sektion IV</a>	173
<a href="#">Zentrum Pathologie, Forensik und Genetik</a>	173
<a href="#">Institut für Humangenetik – 6300</a>	173
<a href="#">Institut für Pathologie – 5110</a>	181
<a href="#">Institut für Rechtsmedizin – 5500</a>	186
<a href="#">Zentrum Pharmakologie und Toxikologie</a>	187
<a href="#">Institut für Pharmako- und Toxikogenomikforschung – 9646</a>	187
<a href="#">Institut für Klinische Pharmakologie – 5350</a>	188
<a href="#">Institut für Pharmakologie – 5320</a>	190
<a href="#">Institut für Toxikologie – 5340</a>	192
<a href="#">Zentrum Laboratoriumsmedizin</a>	194
<a href="#">Institut für Immunologie – 5240</a>	194
<a href="#">Institut für Klinische Chemie – 8110</a>	197
<a href="#">Institut für Medizinische Mikrobiologie und Krankenhaushygiene – 5210</a>	198
<a href="#">Institut für Molekularbiologie – 5250</a>	202
<a href="#">Institut für Transfusionsmedizin – 8350</a>	203
<a href="#">Institut für Versuchstierkunde – 8602</a>	204
<a href="#">Institut für Virologie – 5230</a>	206
<a href="#">Zentrum Öffentliche Gesundheitspflege</a>	210
<a href="#">Institut für Epidemiologie, Sozialmedizin und Gesundheitssystemforschung – 5410</a>	210
<a href="#">Institut für Geschichte, Ethik und Philosophie der Medizin – 5450</a>	215
<a href="#">Forschungs- und Lehreinheit Medizinische Psychologie – 5430</a>	218
<a href="#">Forschungs- und Lehreinheit Medizinische Soziologie - 5420</a>	221
<a href="#">Zentrum Biometrie, medizinische Informatik und Medizintechnik</a>	222
<a href="#">Institut für Biometrie – 8410</a>	222
<a href="#">Peter L.Reichertz Institut für Medizinische Informatik der TU Braunschweig und der MHH – 8420</a>	224
<a href="#">IFB-Tx</a>	227
<a href="#">IFB-Tx: Molekulare und Translationale Therapiestrategien (IMTS) – 8886</a>	227
<a href="#">IFB-Tx: Zelltherapeutika – 8885</a>	228
<a href="#">IFB-Tx :Transplantationsimmunologie – 8889</a>	229

<a href="#">Zentrum für experimentelle und klinische Infektionsforschung (TwinCore)</a> .....	230
<a href="#">TwinCore - Experimentelle Infektionsforschung – 9651</a> .....	230
<a href="#">TwinCore - Experimentelle Virologie – 9652</a> .....	232
<a href="#">TwinCore - Infektionsimmunologie – 9653</a> .....	234
<a href="#">TwinCore: Institut für Molekulare Bakteriologie – 9641</a> .....	235
<a href="#">Biobank – 9160</a> .....	235
<a href="#">Zentrum für Infektionsbiologie (ZIB) – 1112</a> .....	237
<a href="#">Forschungseinrichtungen/Zentrale Einrichtungen</a> .....	238
<a href="#">Bibliothek – 8900</a> .....	238
<a href="#">Stabsstelle Strahlenschutz und Abteilung Medizinische Physik – 0020</a> .....	238
<a href="#">Forschungseinrichtung Strukturanalyse – 8830</a> .....	238
<a href="#">Tumorzentrum – 8850</a> .....	239
<a href="#">Studiendekanat Medizin – 9135</a> .....	239
<a href="#">Zentralapotheke – 8500</a> .....	239
<a href="#">Geschäftsführung Pflege – 3010</a> .....	239
<a href="#">Abteilungsübergreifende Bereiche</a> .....	239
<a href="#">Biomedical Research Endstage and Obstructive Lung Disease Hannover</a> .....	239
<a href="#">BMBF-Kompetenznetz: Hepatitis</a> .....	240
<a href="#">DZIF Deutsches Zentrum für Infektionsforschung</a> .....	240
<a href="#">DZL Deutsches Zentrum für Lungenforschung</a> .....	241
<a href="#">Hannover Biomedical Research School (HBRS)</a> .....	243
<a href="#">Hearing 4All</a> .....	248
<a href="#">IFB-Tx</a> .....	249
<a href="#">International MD/PhD Program Molecular Medicine</a> .....	250
<a href="#">International PhD program DEWIN – Dynamik der Erreger-Wirt-Interaktionen</a> .....	251
<a href="#">International PhD-Program Infection Biology</a> .....	251
<a href="#">Klinische Forschergruppe 250: Genetische und zelluläre Mechanismen von Autoimmunerkrankungen</a> ....	252
<a href="#">NIFE</a> .....	253
<a href="#">REBIRTH: Exzellenzcluster / Cluster of Excellence REBIRTH – From Regenerative Biology to Reconstructive Therapy</a> .....	253
<a href="#">SFB 900: Chronische Infektionen: Mikrobielle Persistenz und ihre Kontrolle</a> .....	257
<a href="#">SFB Transregio 127</a> .....	258
<a href="#">Sonderforschungsbereich 587: Immunreaktionen der Lunge bei Infektion und Allergie</a> .....	258
<a href="#">Sonderforschungsbereich 599: Zukunftsfähige bioresorbierbare und permanente Implantate aus metallischen und keramischen Werkstoffen</a> .....	258

<u>Sonderforschungsbereich 621: Pathobiologie der intestinalen Mukosa</u> .....	259
<u>Sonderforschungsbereich 738: Optimierung konventioneller und innovativer Transplantate</u> .....	259
<u>TwinCore</u> .....	260
<u>Zentrale Forschungseinrichtung: Lasermikroskopie</u> .....	260
<u>Zentrale Forschungseinrichtung: Massenspektrometrie Metabolomics</u> .....	261
<u>Zentrale Forschungseinrichtung: Massenspektrometrische Proteinanalytik</u> .....	262
<u>Zentrale Forschungseinrichtung: Transcriptomics</u> .....	262
<u>Zentrale Forschungseinrichtung: Zellsortierung (Sorter-Lab)</u> .....	262

# Kliniken/Institute der Sektion I

## Zentrum Anatomie

### Institut für Funktionelle und Angewandte Anatomie – 4120

#### Originalpublikationen

Arias-Hidalgo M, Hegermann J, Tsivaliaris G, Carta F, Supuran CT, Gros G, Endeward V. CO<sub>2</sub> and HCO<sub>3</sub>- Permeability of the Rat Liver Mitochondrial Membrane. *Cell Physiol Biochem* 2016;39(5):2014-2024

Baisantry A, Bhayana S, Wrede C, Hegermann J, Haller H, Melk A, Schmitt R. The impact of autophagy on the development of senescence in primary tubular epithelial cells. *Cell Cycle* 2016;15(21):2973-2979

Bates MA, Brandenberger C, Langohr II, Kumagai K, Lock AL, Harkema JR, Holian A, Pestka JJ. Silica-Triggered Autoimmunity in Lupus-Prone Mice Blocked by Docosahexaenoic Acid Consumption. *PLoS One* 2016;11(8):e0160622

Beers MF, Knudsen L, Tomer Y, Maronn J, Zhao M, Ochs M, Mulugeta S. Aberrant lung remodeling in a mouse model of surfactant dysregulation induced by modulation of the Abca3 gene. *Ann Anat* 2017;210:135-146

Bougioukas I, Didilis V, Emigholz J, Waldmann-Beushausen R, Stojanovic T, Mühlfeld C, Schoendube FA, Danner BC. The effect of amifostine on lung ischaemia-reperfusion injury in rats. *Interact Cardiovasc Thorac Surg* 2016;23(2):273-279

Dupont A, Sommer F, Zhang K, Repnik U, Basic M, Bleich A, Kühnel M, Bäckhed F, Litvak Y, Fulde M, Rosenshine I, Hornef MW. Age-Dependent Susceptibility to Enteropathogenic Escherichia coli (EPEC) Infection in Mice. *PLoS Pathog* 2016;12(5):e1005616

Ebener S, Barnowski S, Wotzkow C, Marti TM, Lopez-Rodriguez E, Crestani B, Blank F, Schmid RA, Geiser T, Funke M. Toll-like receptor 4 activation attenuates profibrotic response in control lung fibroblasts but not in fibroblasts from patients with IPF. *Am J Physiol Lung Cell Mol Physiol* 2017;312(1):L42-L55

Eisenberg T, Abdellatif M, Schroeder S, Primessnig U, Stekovic S, Pendl T, Harger A, Schipke J, Zimmermann A, Schmidt A, Tong M, Ruckenstein C, Dambrueck C, Gross AS, Herbst V, Magnes C, Trausinger G, Narath S, Meinitzer A, Hu Z, Kirsch A, Eller K, Carmona-Gutierrez D, Büttner S, Pietrocola F, Knittelfelder O, Schrepfer E, Rockenfeller P, Simonini C, Rahn A, Horsch M, Moreth K, Beckers J, Fuchs H, Gailus-Durner V, Neff F, Janik D, Rathkolb B, Rozman J, de Angelis MH, Moustafa T, Haemmerle G, Mayr M, Willeit P, von Frieling-Salewsky M, Pieske B, Scorrano L, Pieber T, Pechlaner R, Willeit J, Sigrist SJ, Linke WA, Mühlfeld C, Sadoshima J, Dengjel J, Kiechl S, Kroemer G, Sedej S, Madeo F. Cardioprotection and lifespan extension by the natural polyamine spermidine. *Nat Med* 2016;22(12):1428-1438

Funke M, Knudsen L, Lagares D, Ebener S, Probst CK, Fontaine BA, Franklin A, Kellner M, Kühnel M, Matthieu S, Grothausmann R, Chun J, Roberts JD,Jr, Ochs M, Tager AM. Lysophosphatidic Acid Signaling through the Lysophosphatidic Acid-1 Receptor Is Required for Alveolarization. *Am J Respir Cell Mol Biol* 2016;55(1):105-116

Grothausmann R, Knudsen L, Ochs M, Mühlfeld C. Digital 3D reconstructions using histological serial sections of lung tissue including the alveolar capillary network. *Am J Physiol Lung Cell Mol Physiol* 2017;312(2):L243-L257

Grothausmann R. Providing values of adjacent voxel with vtkDiscreteMarchingCubes. *VTK Journal* 2016;975:5

Haddad S, Wang Y, Galy B, Korf-Klingebiel M, Hirsch V, Baru AM, Rostami F, Reboll MR, Heineke J, Flögel U, Groos S, Renner A, Toischer K, Zimmermann F, Engeli S, Jordan J, Bauersachs J, Hentze MW, Wollert KC, Kempf T. Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. *Eur Heart J* 2017;38(5):362-372

Karnati S, Graulich T, Oruqaj G, Pfreimer S, Seimetz M, Stamme C, Mariani TJ, Weissmann N, Mühlfeld C, Baumgart-Vogt E. Postnatal development of the bronchiolar club cells of distal airways in the mouse lung: stereological and molecular biological studies. *Cell Tissue Res* 2016;364(3):543-557

Kellner M, Heidrich M, Lorbeer RA, Antonopoulos GC, Knudsen L, Wrede C, Izykowski N, Grothausmann R, Jonigk D, Ochs M, Ripken T, Kühnel MP, Meyer H. A combined method for correlative 3D imaging of biological samples from macro to nano scale. *Sci Rep* 2016;6:35606

Kling KM, Lopez-Rodriguez E, Pfarrer C, Mühlfeld C, Brandenberger C. Aging exacerbates acute lung injury-induced changes of the air-blood barrier, lung function, and inflammation in the mouse. *Am J Physiol Lung Cell Mol Physiol* 2017;312(1):L1-L12

Krüger M, Decker S, Schneider JP, Haverich A, Schega O. Therapie der akuten Mediastinitis Chirurg 2016;87(6):478-485

Kuebler WM, Wittenberg C, Lee WL, Reppien E, Goldenberg NM, Lindner K, Gao Y, Winoto-Morbach S, Drab M, Mühlfeld C, Dombrowsky H, Ochs M, Schütze S, Uhlig S. Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase *Am J Physiol Lung Cell Mol Physiol* 2016;310(8):L720-32

Lopez-Rodriguez E, Boden C, Echaide M, Perez-Gil J, Kolb M, Gauldie J, Maus UA, Ochs M, Knudsen L. Surfactant dysfunction during overexpression of TGF-beta1 precedes profibrotic lung remodeling in vivo. *Am J Physiol Lung Cell Mol Physiol* 2016;310(11):L1260-71

Lopez-Rodriguez E, Pascual A, Arroyo R, Floros J, Perez-Gil J. Human Pulmonary Surfactant Protein SP-A1 Provides Maximal Efficiency of Lung Interfacial Films *Biophys J* 2016;111(3):524-536

Mucci A, Kunkiel J, Suzuki T, Brennig S, Glage S, Kühnel MP, Ackermann M, Happel C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N. Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency *Stem Cell Reports* 2016;7(2):292-305

Mühlfeld C, Madsen J, Mackay RM, Schneider JP, Schipke J, Lutz D, Birkelbach B, Knudsen L, Botto M, Ochs M, Clark H. Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. *Histochem Cell Biol* 2017;147(1):49-61

Ong CB, Kumagai K, Brooks PT, Brandenberger C, Lewandowski RP, Jackson-Humbles DN, Nault R, Zacharewski TR, Wagner JG, Harkema JR. Ozone-Induced Type 2 Immunity in Nasal Airways. Development and Lymphoid Cell Dependence in Mice. *Am J Respir Cell Mol Biol* 2016;54(3):331-340

Pabst R, Schmiedl A, Schrieber S, Tschernig T, Pabst VC. Ceremonies of gratitude following the dissection course: A report on procedures in departments of anatomy in German speaking countries. *Ann Anat* 2016;210:18-24

Reiter U, Reiter G, Manninger M, Adelsmayr G, Schipke J, Alogna A, Rajces A, Stalder AF, Greiser A, Mühlfeld C, Scherr D, Post H, Pieske B, Fuchsäger M. Early-stage heart failure with preserved ejection fraction in the pig: a cardiovascular magnetic resonance study *J Cardiovasc Magn Reson* 2016;18(1):63

Schänzer A, Kaiser AK, Mühlfeld C, Kulessa M, Paulus W, von Pein H, Rohrbach M, Viergutz L, Mengel E, Marquardt T, Neubauer B, Acker T, Hahn A. Quantification of muscle pathology in infantile Pompe disease *Neuromuscul Disord* 2017;27(2):141-152

Schipke J, Grimm C, Arnstein G, Kockskämper J, Sedej S, Mühlfeld C. Cardiomyocyte loss is not required for the progression of left ventricular hypertrophy induced by pressure overload in female mice *J Anat* 2016;229(1):75-81

Schrumpf C, Wrede C, Glage S, Hegermann J, Backhaus S, Blasczyk R, Heuft HG, Müller T. Differentiation of induced pluripotent stem cell-derived neutrophil granulocytes from common marmoset monkey (*Callithrix jacchus*). *Transfusion* 2017;57(1):60-69

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. *Basic Res Cardiol* 2016;111(6):68

Weidemann M, Schuster-Gossler K, Stauber M, Wrede C, Hegermann J, Ott T, Boldt K, Beyer T, Serth K, Kremmer E, Blum M, Ueffing M, Gossler A. CFAP157 is a murine downstream effector of FOXJ1 that is specifically required for flagellum morphogenesis and sperm motility. *Development* 2016;143(24):4736-4748

Wittmann T, Frixel S, Höppner S, Schindlbeck U, Schams A, Kappler MV, Hegermann J, Wrede C, Liebsch G, Vierzig A, Zacharasiewicz A, Kopp M, Poets CF, Baden W, Hartl D, Van Kaam AH, Lohse P, Aslanidis C, Zarbock R, Griese M. Increased risk of interstitial lung disease in children with a single R288K variant of ABCA3. *Mol Med* 2016;DOI: 10.2119/molmed.2015.00244

Wittmann T, Schindlbeck U, Höppner S, Kinting S, Frixel S, Kröner C, Liebsch G, Hegermann J, Aslanidis C, Brasch F, Reu S, Lasch P, Zarbock R, Griese M. Tools to explore ABCA3 mutations causing interstitial lung disease. *Pediatr Pulmonol* 2016;51(12):1284-1294

## Übersichtsarbeiten

Brandenberger C, Mühlfeld C. Mechanisms of lung aging. *Cell Tissue Res* 2017;367(3):469-480

Knudsen L, Ruppert C, Ochs M. Tissue remodelling in pulmonary fibrosis Cell Tissue Res 2017;367(3):607-626

Lopez-Rodriguez E, Gay-Jordi G, Mucci A, Lachmann N, Serrano-Mollar A. Lung surfactant metabolism: early in life, early in disease and target in cell therapy Cell Tissue Res 2017;367(3):721-735

Ochs M, Knudsen L, Hegermann J, Wrede C, Grothausmann R, Mühlfeld C. Using electron microscopes to look into the lung. Histochem Cell Biol 2016;146(6):695-707

#### **Buchbeiträge, Monografien**

Ochs M, Weibel ER. Functional design of the human lung for gas exchange. In: Grippi MA, Elias JA, Fishman JA, Kotloff R, Pack AI [Hrsg.]: Fishman's pulmonary diseases and disorders. 5. ed. New York u.a.: McGraw-Hill Medical, 2016. S. 20-62

Schmidel A. Topografische Anatomie der Orbita. In: Welkoborsky HJ, Wiechens B, Hinni ML [Hrsg.]: Orbita : interdisziplinäres Management der Orbitaerkrankungen. 1. Auflage. Stuttgart New York: Georg Thieme Verlag, 2016. S. 13-34

Wewetzer K, Omar M, Kammerer P, Brandes G. Wiring of the Olfactory System and the Functional Role of Neurons and Glia during Life-long Turnover. In: Jezierski T, Ensminger J, Papet LE [Hrsg.]: Canine Olfaction Science and Law. Waretown, NJ.: Apple Academic Press Inc, 2016. S. 17-29

#### **Abstracts**

Weber N, Wendland M, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Martin U, Brenner B, Zweigerdt R, Kraft T. Maturation towards pure beta-myosin protein expression and corresponding functional properties of individual hESC-cardiomyocytes. Biophysical Society Meeting, 27.Februar - 02.März 2016, Los Angeles, USA

Wendland M, Weber N, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Wrede C, Hegermann J, Martin U, Brenner B, Zweigerdt R, Kraft T. Human embryonic stem-cell derived cardiomyocytes: Maturation on stiff matrix induces pure beta-myosin protein expression and adult-like functional properties at the single-cell level. 95th Annual Meeting of the Deutsche Physiologische Gesellschaft, 03.-05.März 2016, Lübeck

#### **Promotionen**

Becker, Simon (Dr. med.): Der Einfluss eines zellfreien oder zellulären Perfusionsmediums auf die Physiologie und Strukturerhaltung der Lungen während isolierter ex vivo Perfusion beim Schwein  
MHH-Signatur: D 80417

Jörger, Ariane Ulrike (Dr. med. vet.): Charakterisierung des Surfactantsystems und dessen Veränderungen durch Lungenadenokarzinomatose bei Schafen unter Berücksichtigung der Selenversorgung

Kling, Katharina Maria (Dr. med. vet.): Strukturelle und funktionelle Untersuchungen des Alterseinflusses auf den akuten Lungenschaden bei der Maus

## **Niedersachsenprofessur Immunmorphologie – 4160**

#### **Originalpublikationen**

Pabst R, Linke PB, Neudeck NB, Schmiedl M, Ernst SB. Anschubfinanzierung für junge Wissenschaftler in der Universitätsmedizin in Deutschland : Ist der "clinical scientist" so zu retten? Chirurg 2016;87(12):1039-1045

Pabst R, Schmiedl A, Schrieber S, Tschernig T, Pabst VC. Ceremonies of gratitude following the dissection course: A report on procedures in departments of anatomy in German speaking countries. Ann Anat 2016;210:18-24

Tschernig T, Neuner F, Albrecht AS, Lang I, Meier C, Jörns A, Pabst R. Tertiary Lymphoid Tissue Occurs in the Porcine Pancreas. Pancreas 2016;45(3):e6-e7

#### **Buchbeiträge, Monografien**

Pabst R. Airway immune system: microanatomy. In: Ratcliffe MJH [Hrsg.]: Encyclopedia of Immunobiology ; Vol. 3. Saint Louis: Elsevier Science, 2016. S. 433-465

# Institut für Neuroanatomie und Zellbiologie– 4140

## Originalpublikationen

Hadler C, Aliuos P, Brandes G, Warnecke A, Bohlmann J, Dempwolf W, Menzel H, Lenarz T, Reuter G, Wissel K. Polymer Coatings of Cochlear Implant Electrode Surface - An Option for Improving Electrode-Nerve-Interface by Blocking Fibroblast Overgrowth. *PLoS One* 2016;11(7):e0157710

Hensel N, Schön A, Konen T, Lübben V, Förthmann B, Baron O, Grothe C, Leifheit-Nestler M, Claus P, Haffner D. Fibroblast growth factor 23 signaling in hippocampal cells: impact on neuronal morphology and synaptic density. *J Neurochem* 2016;137(5):756-769

Nguyen TM, Schreiner D, Xiao L, Traunmüller L, Bornmann C, Scheiffele P. An alternative splicing switch shapes neurexin repertoires in principal neurons versus interneurons in the mouse hippocampus. *eLife* 2016;5:DOI: 10.7554/eLife.22757

Stanslowsky N, Reinhardt P, Glass H, Kalmbach N, Naujock M, Hensel N, Lübben V, Pal A, Venneri A, Lupo F, De Franceschi L, Claus P, Sterneckert J, Storch A, Hermann A, Wegner F. Neuronal Dysfunction in iPSC-Derived Medium Spiny Neurons from Chorea-Acanthocytosis Patients Is Reversed by Src Kinase Inhibition and F-Actin Stabilization. *J Neurosci* 2016;36(47):12027-12043

van Neerven SG, Haastert-Talini K, Boecker A, Schriever T, Dabhi C, Claeys K, Deumens R, Brook GA, Weis J, Pallua N, Bozkurt A. Two-component collagen nerve guides support axonal regeneration in the rat peripheral nerve injury model. *J Tissue Eng Regen Med* 2016:DOI: 10.1002/term.2248

Wuttke S, Zimpel A, Bein T, Braig S, Stoiber K, Vollmar A, Müller D, Haastert-Talini K, Schaeske J, Stiesch M, Zahn G, Mohmeyer A, Behrens P, Eickelberg O, Bölkbas DA, Meiners S. Validating Metal-Organic Framework Nanoparticles for Their Nanosafety in Diverse Biomedical Applications. *Adv Healthc Mater* 2017;6(2):1600818

## Übersichtsarbeiten

Schreiner D, Savas JN, Herzog E, Brose N, de Wit J. Synapse biology in the 'circuit-age'-paths toward molecular connectomics. *Curr Opin Neurobiol* 2016;42:102-110

## Buchbeiträge, Monografien

Wewetzer K, Omar M, Kammerer P, Brandes G. Wiring of the Olfactory System and the Functional Role of Neurons and Glia during Life-long Turnover. In: Jezierski T, Ensminger J, Papet LE [Hrsg.]: *Canine Olfaction Science and Law*. Waretown, N.J.: Apple Academic Press Inc, 2016. S. 17-29

## Promotionen

Duda, Sven (Dr. med.): Tissue Engineering peripherer Nerven : Untersuchung der Regeneration peripherer Nerven durch synthetische Nerventransplantate aus Chitosan und Polycaprolacton  
MHH-Signatur: D 80377

## Masterarbeiten

Baskal, Svetlana (M.Sc. Biochemie): Inhibition der ROCK- und ERK-Signalwege in einem Mausmodell der Spinalen Muskelatrophie (SMA)

Klemke, Luisa (M.Sc. Biochemie): Die Bildung von Stressgranula als gemeinsamer molekularer Mechanismus der Amyotrophen Lateralsklerose (ALS) und Spinalen Muskelatrophie (SMA)

Walter, Lisa Marie (M.Sc. Biochemie): Die Interaktion und Lokalisation des Survival of Motoneuron (SMN) Proteins im C9orf72-Modell der Amyotrophen Lateralsklerose (ALS)

## Bachelorarbeiten

Rehra, Lena (B.Sc. Biologie): Aussagekraft zweier Greiftests für die Einstufung der funktionellen Regeneration nach langstreckiger Läsion und Rekonstruktion des Nervus medianus im Rattenmodell

Schöning, Tobias (B.Sc. Biochemie): Etablierung eines AAV-Transduktionsmodells für den Fibroblasten-Wachstumsfaktor 23 (FGF23)

## Institut für Zellbiologie im Zentrum Anatomie – 4130

### Originalpublikationen

Borst EM, Bauerfeind R, Binz A, Stephan TM, Neuber S, Wagner K, Steinbrück L, Sodeik B, Lenac Roviš T, Jonjić S, Messerle M. The Essential Human Cytomegalovirus Proteins pUL77 and pUL93 Are Structural Components Necessary for Viral Genome Encapsidation J Virol 2016;90(13):5860-5875

Lacy ER, Reale E, Luciano L. Immunohistochemical localization of renin-containing cells in two elasmobranch species. Fish Physiol Biochem 2016;42(3):995-1004

## Zentrum Physiologie

### Institut für Molekular- und Zellphysiologie – 4210

#### Originalpublikationen

Al-Samir S, Goossens D, Cartron JP, Nielsen S, Scherbarth F, Steinlechner S, Gros G, Endeward V. Maximal Oxygen Consumption Is Reduced in Aquaporin-1 Knockout Mice. Front Physiol 2016;7:347

Al-Samir S, Wang Y, Meissner JD, Gros G, Endeward V. Cardiac Morphology and Function, and Blood Gas Transport in Aquaporin-1 Knockout Mice. Front Physiol 2016;7:181

Arias-Hidalgo M, Hegermann J, Tsiavaliaris G, Carta F, Supuran CT, Gros G, Endeward V. CO<sub>2</sub> and HCO<sub>3</sub>- Permeability of the Rat Liver Mitochondrial Membrane. Cell Physiol Biochem 2016;39(5):2014-2024

Elhamine F, Iorga B, Krüger M, Hunger M, Eckhardt J, Seeram N, Bennink G, Brockmeier K, Pfitzer G, Stehle R. Postnatal Development of Right Ventricular Myofibrillar Biomechanics in Relation to the Sarcomeric Protein Phenotype in Pediatric Patients with Conotruncal Heart Defects J Am Heart Assoc 2016;5(6):DOI: 10.1161/JAHA.116.003699

Hundt N, Steffen W, Pathan-Chhatbar S, Taft MH, Manstein DJ. Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. Sci Rep 2016;6:20554

Kraft T, Montag J, Radocaj A, Brenner B. Hypertrophic Cardiomyopathy: Cell-to-Cell Imbalance in Gene Expression and Contraction Force as Trigger for Disease Phenotype Development Circ Res 2016;119(9):992-995

Pfeffer TJ, Sasse F, Schmidt CF, Lakämper S, Kirschning A, Scholz T. The natural diterpene tonantztlolone A and its synthetic enantiomer inhibit cell proliferation and kinesin-5 function. Eur J Med Chem 2016;112:164-170

Tsikas D, Böhmer A, Gros G, Endeward V. Evidence of the chemical reaction of (18)O-labelled nitrite with CO<sub>2</sub> in aqueous buffer of neutral pH and the formation of (18)OCO by isotope ratio mass spectrometry. Nitric Oxide 2016;55-56:25-35

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. Basic Res Cardiol 2016;111(6):68

#### Abstracts

Weber N, Wendland M, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Martin U, Brenner B, Zweigerdt R, Kraft T. Maturation towards pure beta-myosin protein expression and corresponding functional properties of individual hESC-cardiomyocytes. Biophysical Society Meeting, 27. Februar - 02. März 2016, Los Angeles, USA

Wendland M, Weber N, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Wrede C, Hegermann J, Martin U, Brenner B, Zweigerdt R, Kraft T. Human embryonic stem-cell derived cardiomyocytes: Maturation on stiff matrix induces pure beta-myosin protein expression and adult-like functional properties at the single-cell level. 95th Annual Meeting of the Deutsche Physiologische Gesellschaft, 03.-05. März 2016, Lübeck

#### Promotionen

Pfeffer, Tobias Jonathan (Dr. med.): Inhibition von Krankheits-assoziierten Kinesinmolekülen  
MHH-Signatur: D 80665

## Bachelorarbeiten

Flögel, Anna Katharina (B.Sc.): Methylierungsanalyse des MYH7-Gens in transgenen Schweinen

## Institut für Neurophysiologie – 4230

### Originalpublikationen

Bonny M, Hui X, Schweizer J, Kaestner L, Zeug A, Kruse K, Lipp P. C2-domain mediated nano-cluster formation increases calcium signaling efficiency Sci Rep 2016;6:36028

Brzozka MM, Unterbarscheidt T, Schwab MH, Rossner MJ. OSO paradigm--A rapid behavioral screening method for acute psychosocial stress reactivity in mice. Neuroscience 2016;314:1-11

Butzlaff M, Ponimaskin E. The role of Serotonin Receptors in Alzheimer's disease. Opera Med Physiol 2016;2(1):77-86

de la Roche J, Walther I, Leonow W, Hage A, Eberhardt M, Fischer M, Reeh PW, Sauer S, Leffler A. Lactate is a potent inhibitor of the capsaicin receptor TRPV1. Sci Rep 2016;6:36740

Hartmann D, Fiedler J, Sonnenschein K, Just A, Pfanne A, Zimmer K, Remke J, Foinquinos A, Butzlaff M, Schimmel K, Maegdefessel L, Hilfiker-Kleiner D, Lachmann N, Schober A, Froese N, Heineke J, Bauersachs J, Batkai S, Thum T. MicroRNA-based Therapy of Gata2-deficient Vascular Disease. Circulation 2016;134(24):1973-1990

Hassouna I, Ott C, Wüstefeld L, Offen N, Neher RA, Mitkovski M, Winkler D, Sperling S, Fries L, Goebels S, Vreja IC, Hagemeyer N, Dittrich M, Rossetti MF, Kröhner K, Hannke K, Boretius S, Zeug A, Höschen C, Dandekar T, Dere E, Neher E, Rizzoli SO, Nave KA, Siren AL, Ehrenreich H. Revisiting adult neurogenesis and the role of erythropoietin for neuronal and oligodendroglial differentiation in the hippocampus. Mol Psychiatry 2016;21(12):1752-1767

Konopka A, Zeug A, Skupien A, Kaza B, Mueller F, Chwedorowicz A, Ponimaskin E, Wilczynski GM, Dzwonek J. Cleavage of Hyaluronan and CD44 Adhesion Molecule Regulate Astrocyte Morphology via Rac1 Signalling. PLoS One 2016;11(5):e0155053

Kulikova EA, Bazovkina DV, Akulov AE, Tsybko AS, Fursenko DV, Kulikov AV, Naumenko VS, Ponimaskin E, Kondaurova EM. Alterations in pharmacological and behavioural responses in recombinant mouse line with an increased predisposition to epilepsy: role of the 5-HT1A receptor. Br J Pharmacol 2016;173(13):2147-2161

Lee YI, Li Y, Mikesh M, Smith I, Nave KA, Schwab MH, Thompson WJ. Neuregulin1 displayed on motor axons regulates terminal Schwann cell-mediated synapse elimination at developing neuromuscular junctions. Proc Natl Acad Sci U S A 2016;113(4):E479-87

Lievens PM, Kuznetsova T, Kochlamazashvili G, Cesca F, Gorinski N, Galil DA, Cherkas V, Ronkina N, Laféra J, Gaestel M, Ponimaskin E, Dityatev A. ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. Mol Cell Biol 2016;36(17):2208-2225

Moutin E, Nikonenko I, Stefanelli T, Wirth A, Ponimaskin E, De Roo M, Muller D. Palmitoylation of cdc42 Promotes Spine Stabilization and Rescues Spine Density Deficit in a Mouse Model of 22q11.2 Deletion Syndrome. Cereb Cortex 2016;DOI: 10.1093/cercor/bhw183

Timashev PS, Vedunova MV, Guseva D, Ponimaskin E, Deiwick A, Mishchenko TA, Mitroshina EV, Koroleva AV, Pimashkin AS, Mukhina IV. 3D in vitro platform produced by two-photon polymerization for the analysis of neural network formation and function. Biomedical physics & engineering express 2016;2(3):035001

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. Basic Res Cardiol 2016;111(6):68

Wirth A, Holst K, Ponimaskin E. How serotonin receptors regulate morphogenic signalling in neurons. Prog Neurobiol 2017;151:35-56

### Abstracts

de la Roche,J.; Walther,I., Leonow W, Hage A, Eberhardt M, Fischer M, Reeh PW, Sauer S, Leffler A. Lactate is a potent inhibitor of the capsaicin receptor TRPV1. 5.Symposium der Jungen Physiologen, 22.-23.September 2016, Jülich

Gorinski N, Guseva D, Schmidt S, Wojciechowski D, Fischer M, Zhang W, Ponimaskin E. Accessory subunit of renal CIC-K chloride channels Barttin is a substrate for ZDHHC7. Protein S-palmitoylation: from Mechanism to Application, 21.-23.September 2016, St. Hilda's College, Oxford, UK

Schubert M, Merkert S, Haase A, Engels L, Haller R, Lachmann N, Moritz T, de la Roche J, Tümmeler B, Galietta L, Martin U. Generation of disease-specific iPSCs and development of transgenic reporter cell lines for cystic fibrosis disease modelling and drug screening. 10th European CF Young Investigators Meeting, 10.-12.Februar 2016, Paris

Weber N, Wendland M, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Martin U, Brenner B, Zweigerdt R, Kraft T. Maturation towards pure beta-myosin protein expression and corresponding functional properties of individual hESC-cardiomyocytes. Biophysical Society Meeting, 27.Februar - 02.März 2016, Los Angeles, USA

Wendland M, Weber N, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Wrede C, Hegermann J, Martin U, Brenner B, Zweigerdt R, Kraft T. Human embryonic stem-cell derived cardiomyocytes: Maturation on stiff matrix induces pure beta-myosin protein expression and adult-like functional properties at the single-cell level. 95th Annual Meeting of the Deutsche Physiologische Gesellschaft, 03.-05.März 2016, Lübeck

Wojciechowski D, Stecher K, Fischer M. Introduction of a novel gating process by insertion of the gating glutamate V166E into the human renal hCIC-Ka chloride channel. 5.Symposium der Jungen Physiologen, 22.-23.September 2016, Jülich

#### Bachelorarbeiten

Rahtz, A. (B.Sc.): Elektrophysiologische Untersuchung der CIC-K/Barttin Kanalfunktion nach Substitution des Barttin N-Terminus durch Poly-Alanin Sequenzen unterschiedlicher Länge

Stecher, K. (B.Sc.): Untersuchungen zur Auswirkung der Punktmutation V166E auf das Schaltverhalten des renalen hCIC-Ka/Barttin Chloridkanals

## Zentrum für Biochemie

### Institut für Biophysikalische Chemie – 4350

#### Originalpublikationen

Arias-Hidalgo M, Hegermann J, Tsavaliaris G, Carta F, Supuran CT, Gros G, Endeward V. CO<sub>2</sub> and HCO<sub>3</sub>- Permeability of the Rat Liver Mitochondrial Membrane. *Cell Physiol Biochem* 2016;39(5):2014-2024

Awah CU, Tamm S, Hedtfeld S, Steinemann D, Tümmeler B, Tsavaliaris G, Stanke F. Mechanism of allele specific assembly and disruption of master regulator transcription factor complexes of NF-KBp50, NF-KBp65 and HIF1a on a non-coding FAS SNP. *Biochim Biophys Acta* 2016;1859(11):1411-1428

Hundt N, Steffen W, Pathan-Chhatbar S, Taft MH, Manstein DJ. Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. *Sci Rep* 2016;6:20554

Junemann A, Filic V, Winterhoff M, Nordholz B, Litschko C, Schwellenbach H, Stephan T, Weber I, Faix J. A Diaphanous-related formin links Ras signaling directly to actin assembly in macropinocytosis and phagocytosis. *Proc Natl Acad Sci U S A* 2016;113(47):E7464-E7473

Krausze J, Probst C, Curth U, Reichelt J, Saha S, Schafflick D, Heinz DW, Mendel RR, Kruse T. Dimerization of the plant molybdenum insertase Cnx1E is required for synthesis of the molybdenum cofactor *Biochem J* 2017;474(1):163-178

Schadzek P, Schlingmann B, Schaarschmidt F, Lindner J, Koval M, Heisterkamp A, Ngezahayo A, Preller M. Data of the molecular dynamics simulations of mutations in the human connexin46 docking interface. *Data Brief* 2016;7:93-99

Schadzek P, Schlingmann B, Schaarschmidt F, Lindner J, Koval M, Heisterkamp A, Preller M, Ngezahayo A. The cataract related mutation N188T in human connexin46 (hCx46) revealed a critical role for residue N188 in the docking process of gap junction channels. *Biochim Biophys Acta* 2016;1858(1):57-66

Schuster-Gossler K, Cordes R, Müller J, Geffers I, Delany-Heiken P, Taft M, Preller M, Gossler A. Context-Dependent Sensitivity to Mutations Disrupting the Structural Integrity of Individual EGF Repeats in the Mouse Notch Ligand DLL1. *Genetics* 2016;202(3):1119-1133

Vámosi G, Mücke N, Müller G, Krieger JW, Curth U, Langowski J, Tóth K. EGFP oligomers as natural fluorescence and hydrodynamic standards *Sci Rep* 2016;6:33022

von der Ecken J, Heissler SM, Pathan-Chhatbar S, Manstein DJ, Raunser S. Cryo-EM structure of a human cytoplasmic actomyosin complex at near-atomic resolution *Nature* 2016;534(7609):724-728

Zumbrägel FK, Machtens DA, Curth U, Luder CG, Reubold TF, Eschenburg S. Survivin does not influence the anti-apoptotic action of XIAP on caspase-9. *Biochem Biophys Res Commun* 2017;482(4):530-535

### **Übersichtsarbeiten**

Manstein DJ, Mulvihill DP. Tropomyosin-mediated Regulation of Cytoplasmic Myosins. *Traffic* 2016;17(8):872-877

### **Buchbeiträge, Monografien**

Winterhoff M, Brühmann S, Franke C, Breitsprecher D, Faix J. Visualization of Actin Assembly and Filament Turnover by In Vitro Multicolor TIRF Microscopy *Methods Mol Biol* 2016;1407:287-306

### **Habilitationen**

Fedorov, Roman (PD Dr. rer. nat.): Enzymatic Activity and Allosteric Regulation

### **Promotionen**

Cramer, Johannes Thomas (Dr. rer. nat.): Structure - function relationship of UDP-sugar pyrophosphorylases  
MHH-Signatur: D 80602

Malliou-Becher, Maria-Nefeli (Dr. med.): The influence of maternal age on superovulation, cytoskeletal morphology and cohesion complex organization during meiosis II using high resolution confocal microscopy  
MHH-Signatur: D 80614

Zumbrägel, Franziska Katharina (Dr. rer. nat.): Untersuchungen zur Funktion von Survivin im mitochondrialen Weg der Apoptose  
MHH-Signatur: D 80556

### **Masterarbeiten**

Zeymer, Ole (M.Sc.): Structural Studies of UDP-Sugar Pyrophosphorylases from Trypanosoma Family of Pathogens

## **Institut für Klinische Biochemie – 4340**

### **Originalpublikationen**

Davenport C, Diekmann U, Budde I, Detering N, Naujok O. Anterior-Posterior Patterning of Definitive Endoderm Generated from Human Embryonic Stem Cells Depends on the Differential Signaling of Retinoic Acid, Wnt-, and BMP-Signaling. *Stem Cells* 2016;DOI: 10.1002/stem.2428

Gurgul-Convey E, Mehmeti I, Plötz T, Jörns A, Lenzen S. Sensitivity profile of the human EndoC-betaH1 beta cell line to proinflammatory cytokines. *Diabetologia* 2016;59(10):2125-2133

Plötz T, Hartmann M, Lenzen S, Elsner M. The role of lipid droplet formation in the protection of unsaturated fatty acids against palmitic acid induced lipotoxicity to rat insulin-producing cells. *Nutr Metab (Lond)* 2016;13:16

Rebiger L, Lenzen S, Mehmeti I. Susceptibility of brown adipocytes to pro-inflammatory cytokine toxicity and reactive oxygen species. *Biosci Rep* 2016;36(2):10.1042/BSR20150193

Sauer MG, Herbst J, Diekmann U, Rudd CE, Kardinal C. SHP-1 acts as a key regulator of alloresponses by modulating LFA-1-mediated adhesion in primary murine T cells. *Mol Cell Biol* 2016;36(24):3113-3127

Scullion SM, Hahn C, Tyka K, Flatt PR, McClenaghan NH, Lenzen S, Gurgul-Convey E. Improved antioxidative defence protects insulin-producing cells against homocysteine toxicity. *Chem Biol Interact* 2016;256:37-46

Thiesler CT, Cajic S, Hoffmann D, Thiel C, van Diepen L, Hennig R, Sgodda M, Weissmann R, Reichl U, Steinemann D, Diekmann U, Huber NM, Oberbeck A, Cantz T, Kuss AW, Korner C, Schambach A, Rapp E, Buettner FF. Glycomic characterization of induced pluripotent stem cells derived from a patient suffering from phosphomannomutase 2 congenital disorder of glycosylation Mol Cell Proteomics 2016;15(4):1435-1452

Tschernig T, Neuner F, Albrecht AS, Lang I, Meier C, Jörns A, Pabst R. Tertiary Lymphoid Tissue Occurs in the Porcine Pancreas. Pancreas 2016;45(3):e6-e7

#### **sonstiges**

Davenport C, Diekmann U, Naujok O. A Quick and Efficient Method for the Purification of Endoderm Cells Generated from Human Embryonic Stem Cells. J Vis Exp 2016;(109). doi(109):10.3791/53655

#### **Habilitationen**

Lortz, Stephan (PD Dr. rer. nat.): Vergleichende Betrachtungen zur Bedeutung von Mitochondrien und endoplasmatischem Retikulum für die zytokinvermittelte Toxizität in insulinsezernierenden Zellen  
MHH-Signatur: D 80190

#### **Promotionen**

Davenport, Claudia (Dr. rer. nat.): TALE-Nukleasen vermittelte homologe Rekombination in pluripotenten Stammzellen  
MHH-Signatur: D 80603

Ertekin, Ümüs Gül (Dr. med.): TNF- $\alpha$  Antikörper Therapie in Kombination mit dem T-Zell-spezifischen Antikörper, anti-TCR, zur Umkehr der diabetisch metabolischen Stoffwechselleage im Tiermodell, der LEW.1AR1-iddm Ratte  
MHH-Signatur: D 80444

#### **Masterarbeiten**

Münchhoff, Julia (M.Sc.): Darstellung PDX1-positiver duodenaler Zellen, differenziert aus humanen embryonalen Stammzellen

Nordenbrock, Anke (M.Sc.): Licht-induzierte intrazelluläre Wasserstoffperoxid-Bildung durch eine kombinierte Expression von Superoxid-dismutase und des Fluoreszenzproteins KillerRed

#### **Bachelorarbeiten**

Kazmierski, J. (B.Sc.): Vergleichende Analyse von vier Differenzierungsprotokollen für PDX1-positve Zellen generiert aus embryonalen Stammzellen

Seeger, C. (B.Sc.): FGF-2 als Repressor der pankreatischen Entwicklung durch die para- und/oder autokrine Wirkung von SHH

## **Institut für Physiologische Chemie – 4310**

#### **Originalpublikationen**

Azarnia Tehran D, Pirazzini M, Leka O, Mattarei A, Lista F, Binz T, Rossetto O, Montecucco C. Hsp90 is involved in the entry of clostridial neurotoxins into the cytosol of nerve terminals Cell Microbiol 2017;19(2):e12647

Drube S, Kraft F, Dudeck J, Müller AL, Weber F, Göpfert C, Meininger I, Beyer M, Irmler I, Häfner N, Schütz D, Stumm R, Yakovleva T, Gaestel M, Dudeck A, Kamradt T. MK2/3 Are Pivotal for IL-33-Induced and Mast Cell-Dependent Leukocyte Recruitment and the Resulting Skin Inflammation. J Immunol 2016;197(9):3662-3668

Gaestel M. MAPK-Activated Protein Kinases (MKs): Novel Insights and Challenges. Front Cell Dev Biol 2016;3:88

Herbert BA, Steinkamp HM, Gaestel M, Kirkwood KL. MK2 Signaling Shapes Macrophage Plasticity in Aggregatibacter actinomycetem-comitans-induced Bone Loss. Infect Immun 2017;85(1):e000552-16

Lalaoui N, Hanggi K, Brumatti G, Chau D, Nguyen NY, Vasilikos L, Spilgies LM, Heckmann DA, Ma C, Ghisi M, Salmon JM, Matthews GM, de Valle E, Moujalled DM, Menon MB, Spall SK, Glaser SP, Richmond J, Lock RB, Condon SM, Gugasyan R, Gaestel M, Guthridge M, Johnstone RW, Munoz L, Wei A, Ekert PG, Vaux DL, Wong WW, Silke J. Targeting p38 or MK2 Enhances the Anti-Leukemic Activity of Smac-Mimetics. Cancer Cell 2016;29(2):145-158

Lievens PM, Kuznetsova T, Kochlamazashvili G, Cesca F, Gorinski N, Galil DA, Cherkas V, Ronkina N, Laféra J, Gaestel M, Ponimaskin E, Dityatev A. ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. *Mol Cell Biol* 2016;36(17):2208-2225

Menon MB, Gaestel M. TPL2 meets p38MAPK: emergence of a novel positive feedback loop in inflammation. *Biochem J* 2016;473(19):2995-2999

Meunier I, Lenaers G, Bocquet B, Baudoin C, Piro-Megy C, Cubizolle A, Quiles M, Jean-Charles A, Cohen SY, Merle H, Gaudric A, Labesse G, Manes G, Pequignot M, Cazevieille C, Dhaenens CM, Fichard A, Ronkina N, Arthur SJ, Gaestel M, Hamel CP. A dominant mutation in MAPKAPK3, an actor of p38 signaling pathway, causes a new retinal dystrophy involving Bruch's membrane and retinal pigment epithelium. *Hum Mol Genet* 2016;25(5):916-926

Ronkina N, Laféra J, Kotlyarov A, Gaestel M. Stress-dependent phosphorylation of myocardin-related transcription factor A (MRTF-A) by the p38(MAPK)/MK2 axis. *Sci Rep* 2016;6:31219

Rust A, Leese C, Binz T, Davletov B. Botulinum neurotoxin type C protease induces apoptosis in differentiated human neuroblastoma cells. *Oncotarget* 2016;7(22):33220-33228

Stauber M, Weidemann M, Dittrich-Breiholz O, Lobschat K, Alten L, Mai M, Beckers A, Kracht M, Gossler A. Identification of FOXJ1 effectors during ciliogenesis in the foetal respiratory epithelium and embryonic left-right organiser of the mouse. *Dev Biol* 2017;423(2):170-188

Tiedje C, Diaz-Munoz MD, Trulley P, Ahlfors H, Laass K, Blackshear PJ, Turner M, Gaestel M. The RNA-binding protein TTP is a global post-transcriptional regulator of feedback control in inflammation. *Nucleic Acids Res* 2016;44(15):7418-7440

Tran DD, Koch A, Allister A, Saran S, Ewald F, Koch M, Nashan B, Tamura T. Treatment with MAPKAP2 (MK2) inhibitor and DNA methylation inhibitor, 5-aza dC, synergistically triggers apoptosis in hepatocellular carcinoma (HCC) via tristetraprolin (TTP). *Cell Signal* 2016;28(12):1872-1880

Tran DD, Koch A, Saran S, Armbrecht M, Ewald F, Koch M, Wahlicht T, Wirth D, Braun A, Nashan B, Gaestel M, Tamura T. Extracellular-signal regulated kinase (Erk1/2), mitogen-activated protein kinase-activated protein kinase 2 (MK2) and tristetraprolin (TTP) comprehensively regulate injury-induced immediate early gene (IEG) response in in vitro liver organ culture. *Cell Signal* 2016;28(5):438-447

Tran DD, Saran S, Koch A, Tamura T. mRNA export protein THOC5 as a tool for identification of target genes for cancer therapy. *Cancer Lett* 2016;373(2):222-226

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stripecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup>/H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. *J Cell Physiol* 2017;232(7):1669-1680

Vučićević D, Gehre M, Dhamija S, Friis-Hansen L, Meierhofer D, Sauer S, Ørom UA. The long non-coding RNA PARROT is an upstream regulator of c-Myc and affects proliferation and translation. *Oncotarget* 2016;7(23):33934-33947

Wetzel F, Mittag S, Cano-Cortina M, Wagner T, Krämer OH, Niedenthal R, Gonzalez-Mariscal L, Huber O. SUMOylation regulates the intracellular fate of ZO-2. *Cell Mol Life Sci* 2017;74(2):373-392

Windheim M, Höning S, Leppard KN, Butler L, Seed C, Ponnambalam S, Burgert HG. Sorting Motifs in the Cytoplasmic Tail of the Immunomodulatory E3/49K Protein of Species D Adenoviruses Modulate Cell Surface Expression and Ectodomain Shedding. *J Biol Chem* 2016;291(13):6796-6812

Windheim M. Interleukin-1-induced gene expression requires the membrane-raft-dependent internalization of the interleukin-1 receptor. *Cell Signal* 2016;28(10):1520-1529

Zornetta I, Azarnia Tehran D, Arrigoni G, Anniballi F, Bano L, Leka O, Zanotti G, Binz T, Montecucco C. The first non Clostridial botulinum-like toxin cleaves VAMP within the juxtamembrane domain. *Sci Rep* 2016;6:30257

## sonstiges

Lalaoui N, Hanggi K, Brumatti G, Chau D, Nguyen NN, Vasilikos L, Spilgies LM, Heckmann DA, Ma C, Ghisi M, Salmon JM, Matthews GM,

de Valle E, Moujalled DM, Menon MB, Spall SK, Glaser SP, Richmond J, Lock RB, Condon SM, Gugasyan R, Gaestel M, Guthridge M, Johnstone RW, Munoz L, Wei A, Ekert PG, Vaux DL, Wong WW, Silke J. Targeting p38 or MK2 Enhances the Anti-Leukemic Activity of Smac-Mimetics. *Cancer Cell* 2016;30(3):499-500

#### Promotionen

Freund, Robert (Dr. rer. nat.): Untersuchungen zur Funktion des Nuclear Factor of Activated T cells c1 und zur Regulation der SR Ca<sup>2+</sup>-ATPase 2a im Skelett- und Herzmuskel  
MHH-Signatur: D 80400

#### Masterarbeiten

Haskamp, Stefan (M.Sc. Biochemie): Entwicklung eines 32-plex Microarray-Formats für die RNAExpressionsanalyse zur flexiblen Anwendung im klinischdiagnostischen Bereich und in der Grundlagenforschung

## Institut für Experimentelle Diabetologie - Niedersachsenprofessur – 4360

#### Originalpublikationen

Gurgul-Convey E, Mehmeti I, Plötz T, Jörns A, Lenzen S. Sensitivity profile of the human EndoC-betaH1 beta cell line to proinflammatory cytokines. *Diabetologia* 2016;59(10):2125-2133

Plötz T, Hartmann M, Lenzen S, Elsner M. The role of lipid droplet formation in the protection of unsaturated fatty acids against palmitic acid induced lipotoxicity to rat insulin-producing cells. *Nutr Metab (Lond)* 2016;13:16

## Institut für Zelluläre Chemie – 4330

#### Originalpublikationen

Behrens W, Schweinitzer T, McMurry JL, Loewen PC, Buettner FF, Menz S, Josenhans C. Localisation and protein-protein interactions of the Helicobacter pylori taxis sensor TlpD and their connection to metabolic functions. *Sci Rep* 2016;6:23582

Fiebig T, Romano MR, Oldrini D, Adamo R, Tontini M, Brogioni B, Santini L, Berger M, Costantino P, Berti F, Gerardy-Schahn R. An efficient cell free enzyme-based total synthesis of a meningococcal vaccine candidate. *Npj Vaccines* 2016;1:16017

Kallolimath S, Castilho A, Strasser R, Grünwald-Gruber C, Altmann F, Strubl S, Galuska CE, Zlatina K, Galuska SP, Werner S, Thiesler H, Werneburg S, Hildebrandt H, Gerardy-Schahn R, Steinkellner H. Engineering of complex protein sialylation in plants *Proc Natl Acad Sci U S A* 2016;113(34):9498-9503

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. *Nat Commun* 2016;7:13602

Li LX, Ashikov A, Liu H, Griffith CL, Bakker H, Doering TL. Cryptococcus neoformans UGT1 encodes a UDP-Galactose/UDP-GalNAc transporter *Glycobiology* 2017;27(1):87-98

Szewczyk LM, Brozko N, Nagalski A, Röckle I, Werneburg S, Hildebrandt H, Wisniewska MB, Kuznicki J. ST8SIA2 promotes oligodendrocyte differentiation and the integrity of myelin and axons *Glia* 2017;65(1):34-49

Thiesler CT, Cajic S, Hoffmann D, Thiel C, van Diepen L, Hennig R, Sgodda M, Weissmann R, Reichl U, Steinemann D, Diekmann U, Huber NM, Oberbeck A, Cantz T, Kuss AW, Korner C, Schambach A, Rapp E, Buettner FF. Glycomic characterization of induced pluripotent stem cells derived from a patient suffering from phosphomannomutase 2 congenital disorder of glycosylation *Mol Cell Proteomics* 2016;15(4):1435-1452

Werneburg S, Buettner FF, Erben L, Mathews M, Neumann H, Mühlhoff M, Hildebrandt H. Polysialylation and lipopolysaccharide-induced shedding of E-selectin ligand-1 and neuropilin-2 by microglia and THP-1 macrophages *Glia* 2016;64(8):1314-1330

#### Übersichtsarbeiten

Mehrabian M, Hildebrandt H, Schmitt-Ulms G. NCAM1 Polysialylation: The Prion Protein's Elusive Reason for Being? *ASN Neuro* 2016;8(6):1759091416679074

## Promotionen

Cramer, Johannes Thomas (Dr. rer. nat.): Structure - function relationship of UDP-sugar pyrophosphorylases  
MHH-Signatur: D 80602

Hoppe, Carolin Maria (Dr. rer. nat. M.Sc. Biochemistry): Glycosylation pathways in protozoan parasites  
MHH-Signatur: D 80512

Martin, Nikolas Tim (Dr. rer. nat.): Generierung und Charakterisierung onkolytischer Adenoviren zur Adressierung Polysialinsäure-positiver Tumore – Generation and characterization of oncolytic adenoviruses for targeting polysialic acid positive tumors  
MHH-Signatur: D 80722

## Masterarbeiten

Meyer, Isabel (M.Sc. Animal Biology): Einfluss der ST8SIA2-vermittelten Polysialinsäuresynthese auf die Motilität cortikaler Interneurone

Möller, Janika (M.Sc. Animal Biology): Charakterisierung von Mäusen mit konditionaler Deletion der ST8SIA2 in Thalamus und Cortex

Wedekind, Henri (M.Sc. Biochemie): Studien zur Glykosylierung des Schlitzmembranproteins Nephron

## Kliniken/Institute der Sektion II

### Zentrum Innere Medizin

#### Klinik für Gastroenterologie, Hepatologie und Endokrinologie – 6810

##### Originalpublikationen

Atreya R, Bloom S, Scaldaferri F, Gerardi V, Admyre C, Karlsson A, Knittel T, Kowalski J, Lukas M, Löfberg R, Nancey S, Petryka R, Rydzewska G, Schnabel R, Seidler U, Neurath MF, Hawkey C. Clinical Effects of a Topically Applied Toll-like Receptor 9 Agonist in Active Moderate-to-Severe Ulcerative Colitis. *J Crohns Colitis* 2016;10(11):1294-1302

Attia D, Bantel H, Lenzen H, Manns MP, Gebel MJ, Potthoff A. Liver stiffness measurement using acoustic radiation force impulse elastography in overweight and obese patients. *Aliment Pharmacol Ther* 2016;44(4):366-379

Bauer TM, Schuler M, Berardi R, Lim WT, Van Geel R, De Jonge M, Azaro A, Gottfried M, Han JY, Lee DH, Wollner M, Hong D, Vogel A, Delmonte A, Krohn A, Zhang Y, Squires M, Giovannini M, Akimov M, Kim DW. MINI01.03: Phase (Ph) I Study of the Safety and Efficacy of the cMET Inhibitor Capmatinib (INC280) in Patients with Advanced cMET+ NSCLC: Topic: Medical Oncology *J Thorac Oncol* 2016;11(11S):S257-S258

Baumann AK, Schlueter J, Noyan F, Hardtke-Wolenski M, Lehner F, Barg-Hock H, Klempnauer J, Manns MP, Taubert R, Jaeckel E. Preferential accumulation of T helper cells but not cytotoxic T cells characterizes benign subclinical rejection of human liver allografts. *Liver Transpl* 2016;22(7):943-955

Baumgart DC, Bokemeyer B, Drabik A, Stallmach A, Schreiber S, Vedolizumab Germany Consortium. Vedolizumab induction therapy for inflammatory bowel disease in clinical practice--a nationwide consecutive German cohort study. *Aliment Pharmacol Ther* 2016;43(10):1090-1102

Becker H, Stahmeyer JT, Manns MP, Krauth C, Cornberg M. Veränderungen der Laboranforderungen zur Diagnostik von Virushepatitiden unter Fortentwicklung von Leitlinien. *Z Gastroenterol* 2017;55(1):32-38

Behrends M, Stiller G, Dudzinska A, Schneidewind S. Various Cinematic Forms of Educational Videos About the Physical Examination - Are There Differences in the Evaluation by Medical Students? *Stud Health Technol Inform* 2016;226:97-100

Behrendt P, Bremer B, Todt D, Brown RJ, Heim A, Manns MP, Steinmann E, Wedemeyer H. Hepatitis E Virus (HEV) ORF2 Antigen Levels Differentiate Between Acute and Chronic HEV Infection. *J Infect Dis* 2016;214(3):361-368

Behrendt P, Lüth S, Dammermann W, Drave S, Brown RJ, Todt D, Schnoor U, Steinmann E, Wedemeyer H, Pischke S, Iking-Konert C. Exacerbation of hepatitis E virus infection during anti-TNFalpha treatment Joint Bone Spine 2017;84(2):217-219

Berhane S, Toyoda H, Tada T, Kumada T, Kagebayashi C, Satomura S, Schweitzer N, Vogel A, Manns MP, Benckert J, Berg T, Ebker M, Best J, Dechêne A, Gerken G, Schlaak JF, Weinmann A, Wörns MA, Galle P, Yeo W, Mo F, Chan SL, Reeves H, Cox T, Johnson P. Role of the GALAD and BALAD-2 Serologic Models in Diagnosis of Hepatocellular Carcinoma and Prediction of Survival in Patients. Clin Gastroenterol Hepatol 2016;14(6):875-886.e6

Bhardwaj S, Ahmad F, Wedemeyer H, Cornberg M, Schulze Zur Wiesch J, van Lunzen J, Sarin SK, Schmidt RE, Meyer-Olson D. Increased CD56(bright) NK cells in HIV-HCV co-infection and HCV mono-infection are associated with distinctive alterations of their phenotype. Virol J 2016;13:67

Blake SJ, Stannard K, Liu J, Allen S, Yong MC, Mittal D, Aguilera AR, Miles JJ, Lutzky VP, de Andrade LF, Martinet L, Colonna M, Takeda K, Kühnel F, Gurlevik E, Bernhardt G, Teng MW, Smyth MJ. Suppression of Metastases Using a New Lymphocyte Checkpoint Target for Cancer Immunotherapy. Cancer Discov 2016;6(4):446-459

Bock B, Hasdemir D, Wandrer F, Rodt T, Manns MP, Schulze-Osthoff K, Bantel H. Serum cell death biomarker mirrors liver cancer regression after transarterial chemoembolisation Aliment Pharmacol Ther 2016;44(7):747-754

Boggs K, Venkatesan N, Mederacke I, Komatsu Y, Stice S, Schwabe RF, Mistretta CM, Mishina Y, Liu HX. Contribution of Underlying Connective Tissue Cells to Taste Buds in Mouse Tongue and Soft Palate PLoS One 2016;11(1):e0146475

Bogomolov P, Alexandrov A, Voronkova N, Macievich M, Kokina K, Petrachenkova M, Lehr T, Lempp FA, Wedemeyer H, Haag M, Schwab M, Haefeli WE, Blank A, Urban S. Treatment of chronic hepatitis D with the entry inhibitor myrcludex B: First results of a phase Ib/Ila study. J Hepatol 2016;65(3):490-498

Brouwer WP, Chan HL, Brunetto MR, Martinot-Peignoux M, Arends P, Cornberg M, Cherubini B, Thompson AJ, Liaw YF, Marcellin P, Janssen HL, Hansen BE, Good Practice in using HBsAg in Chronic Hepatitis B Study Group (GPs-CHB Study Group). Repeated Measurements of Hepatitis B Surface Antigen Identify Carriers of Inactive HBV During Long-term Follow-up. Clin Gastroenterol Hepatol 2016;14(10):1481-1489.e5

Ciesek S, Proske V, Otto B, Pischke S, Costa R, Lüthgehetmann M, Polywka S, Klempnauer J, Nashan B, Manns MP, von Hahn T, Lohse AW, Wedemeyer H, Mix H, Sterneck M. Efficacy and safety of sofosbuvir/ledipasvir for the treatment of patients with hepatitis C virus re-infection after liver transplantation Transpl Infect Dis 2016;18(3):326-332

Cloherty G, Chevaliez S, Sarrazin C, Herman C, Holzmayer V, Dawson G, Maasoumy B, Vermehren J, Wedemeyer H, Feld JJ, Pawlotsky JM. Hepatitis C RNA assay differences in results: Potential implications for shortened therapy and determination of Sustained Virologic Response. Sci Rep 2016;6:35410

Colleypriest BJ, Burke ZD, Griffiths LP, Chen Y, Yu WY, Jover R, Bock M, Biddlestone L, Quinlan JM, Ward SG, Mark Farrant J, Slack JM, Tosh D. Hnf4alpha is a key gene that can generate columnar metaplasia in oesophageal epithelium Differentiation 2016;93:39-49

Dauch D, Rudalska R, Cossa G, Nault JC, Kang TW, Wuestefeld T, Hohmeyer A, Imbeaud S, Yevsa T, Hoenicke L, Pantsar T, Bozko P, Malek NP, Longerich T, Laufer S, Poso A, Zucman-Rossi J, Eilers M, Zender L. A MYC-aurora kinase A protein complex represents an actionable drug target in p53-altered liver cancer. Nat Med 2016;22(7):744-753

Deterding K, Spinner CD, Schott E, Welzel TM, Gerken G, Klinker H, Spengler U, Wiegand J, Zur Wiesch JS, Pathil A, Cornberg M, Umgielter A, Zöllner C, Zeuzem S, Papkalla A, Weber K, Hardtke S, von der Leyen H, Koch A, von Witzendorff D, Manns MP, Wedemeyer H, HepNet Acute HCV IV Study Group. Ledipasvir plus sofosbuvir fixed-dose combination for 6 weeks in patients with acute hepatitis C virus genotype 1 monoinfection (HepNet Acute HCV IV): an open-label, single-arm, phase 2 study. Lancet Infect Dis 2017;17(2):215-222

Dietrich CF, Sahai AV, D'Onofrio M, Will U, Arcidiacono PG, Petrone MC, Hocke M, Braden B, Burmester E, Möller K, Saftiou A, Ignee A, Cui XW, Iordache S, Potthoff A, Iglesias-Garcia J, Fusaroli P, Dong Y, Jenssen C. Differential diagnosis of small solid pancreatic lesions. Gastrointest Endosc 2016;84(6):933-940

Drave SA, Debing Y, Walter S, Todt D, Engelmann M, Friesland M, Wedemeyer H, Neyts J, Behrendt P, Steinmann E. Extra-hepatic replication and infection of hepatitis E virus in neuronal-derived cells J Viral Hepat 2016;23(7):512-521

Duffy AG, Ulahannan SV, Makorova-Rusher O, Rahma O, Wedemeyer H, Pratt D, Davis JL, Hughes MS, Heller T, ElGindi M, Uppala A, Korangy F, Kleiner DE, Figg WD, Venzon D, Steinberg SM, Venkatesan AM, Krishnasamy V, Abi-Jaoudeh N, Levy E, Wood BJ, Greten TF. Tremelimumab in combination with ablation in patients with advanced hepatocellular carcinoma J Hepatol 2017;66(3):545-551

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wöhner A, Beh-Pajoh A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. *Sci Rep* 2016;6:38198

Eggert T, Wolter K, Ji J, Ma C, Yevsa T, Klotz S, Medina-Echeverz J, Longerich T, Forgues M, Reisinger F, Heikenwalder M, Wang XW, Zender L, Greten TF. Distinct Functions of Senescence-Associated Immune Responses in Liver Tumor Surveillance and Tumor Progression. *Cancer Cell* 2016;30(4):533-547

Emmanouilidis N, Peters R, Ringe BP, Güner Z, Ramackers W, Bektas H, Lehner F, Manns M, Klempnauer J, Schrem H. Liver Transplantation for Hepatocellular Carcinoma: A Single Center Resume Overlooking Four Decades of Experience. *J Transplant* 2016;2016:7895956

Endig J, Buitrago-Molina LE, Marhenke S, Reisinger F, Saborowski A, Schütt J, Limbourg F, Könecke C, Schreder A, Michael A, Misslitz AC, Healy ME, Geffers R, Clavel T, Haller D, Unger K, Finegold M, Weber A, Manns MP, Longerich T, Heikenwälder M, Vogel A. Dual Role of the Adaptive Immune System in Liver Injury and Hepatocellular Carcinoma Development. *Cancer Cell* 2016;30(2):308-323

Feagan BG, Sandborn WJ, Gasink C, Jacobstein D, Lang Y, Friedman JR, Blank MA, Johanns J, Gao LL, Miao Y, Adedokun OJ, Sands BE, Hanauer SB, Vermeire S, Targan S, Ghosh S, de Villiers WJ, Colombel JF, Tulassay Z, Seidler U, Salzberg BA, Desreumaux P, Lee SD, Loftus EV,Jr, Dieleman LA, Katz S, Rutgeerts P, UNITI-IM-UNITI Study Group. Ustekinumab as Induction and Maintenance Therapy for Crohn's Disease. *N Engl J Med* 2016;375(20):1946-1960

Feld JJ, Maan R, Zeuzem S, Kuo A, Nelson DR, Di Bisceglie AM, Manns MP, Sherman K, Frazier LM, Sterling R, Mailliard M, Schmidt M, Akushevich L, Vainorius M, Fried MW. Effectiveness and Safety of Sofosbuvir-Based Regimens for Chronic HCV Genotype 3 Infection: Results of the HCV-TARGET Study. *Clin Infect Dis* 2016;63(6):776-783

Flanagan L, Meyer M, Fay J, Curry S, Bacon O, Duessmann H, John K, Boland KC, McNamara DA, Kay EW, Bantel H, Schulze-Bergkamen H, Prehn JH. Low levels of Caspase-3 predict favourable response to 5FU-based chemotherapy in advanced colorectal cancer: Caspase-3 inhibition as a therapeutic approach. *Cell Death Dis* 2016;7:e2087

Folprecht G, Pericay C, Saunders MP, Thomas A, Lopez Lopez R, Roh JK, Chistyakov V, Höhler T, Kim JS, Hofheinz RD, Ackland SP, Swinson D, Kopp M, Uдовитса D, Hall M, Iveson T, Vogel A, Zalcberg JR. Oxaliplatin and 5-FU/folinic acid (modified FOLFOX6) with or without afibbercept in first-line treatment of patients with metastatic colorectal cancer: the AFFIRM study. *Ann Oncol* 2016;27(7):1273-1279

Fraguas MS, Eggenschwiler R, Hoepfner J, Schiavonato JL, Haddad R, Oliveira LH, Araujo AG, Zago MA, Panepucci RA, Cantz T. MicroRNA-29 impairs the early phase of reprogramming process by targeting active DNA demethylation enzymes and Wnt signaling. *Stem Cell Res* 2016;19:21-30

Franz J, Brinkmann BF, König M, Hüve J, Stock C, Ebnet K, Riethmüller C. Nanoscale Imaging Reveals a Tetraspanin-CD9 Coordinated Elevation of Endothelial ICAM-1 Clusters. *PLoS One* 2016;11(1):e0146598

Girke J, Seipt C, Markowski A, Luettig B, Schettler A, Momma M, Schneider AS. Quality of Life and Nutrition Condition of Patients Improve Under Home Parenteral Nutrition: An Exploratory Study. *Nutr Clin Pract* 2016;31(5):659-665

Gisa A, Suneetha PV, Behrendt P, Pischke S, Bremer B, Falk CS, Manns MP, Cornberg M, Wedemeyer H, Kraft AR. Cross-genotype-specific T-cell responses in acute hepatitis E virus (HEV) infection. *J Viral Hepat* 2016;23(4):305-315

Gürlevik E, Fleischmann-Mundt B, Brooks J, Demir IE, Steiger K, Ribback S, Yevsa T, Woller N, Kloos A, Ostroumov D, Armbrecht N, Manns MP, Dombrowski F, Saborowski M, Kleine M, Wirth TC, Oettle H, Ceyhan GO, Esposito I, Calvisi DF, Kubicka S, Kühnel F. Administration of Gemcitabine After Pancreatic Tumor Resection in Mice Induces an Antitumor Immune Response Mediated by Natural Killer Cells. *Gastroenterology* 2016;151(2):338-350.e7

Hagel S, Fischer A, Ehlermann P, Frank T, Tueffers K, Sturm A, Link A, Demir M, Siebenhaar A, Storr M, Glueck T, Siegel E, Solbach P, Goeser F, Koelbel CB, Lohse A, Luebbert C, Kandzi U, Maier M, Schuerle S, Lerch MM, Tacke D, Cornely OA, Stallmach A, Vehreschild M, German Clinical Microbiome Study Group (GCMMSG). Fecal Microbiota Transplant in Patients With Recurrent Clostridium difficile Infection. *Dtsch Arztebl Int* 2016;113(35-36):583-589

Hampel A, Solbach P, Cornberg M, Schmidt RE, Behrens GM, Jablonka A. Aktuelle Seroprävalenz, Impfstatus und prädiktiver Wert der Leberenzyme für Hepatitis B bei Flüchtlingen in Deutschland. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(5):578-583

Hardtke-Wolenski M, Dywicki J, Fischer K, Hapke M, Sievers M, Schlüe J, Anderson MS, Taubert R, Noyan F, Manns MP, Jäckel E. The influence of genetic predisposition and autoimmune hepatitis inducing antigens in disease development. *J Autoimmun* 2017;78:39-45

Heidrich B, Steinmann E, Plumeier I, Kirschner J, Sollik L, Ziegert S, Engelmann M, Lehmann P, Manns MP, Pieper DH, Wedemeyer H. Frequent detection of HCV RNA and HCVcoreAg in stool of patients with chronic hepatitis C. *C. J Clin Virol* 2016;80:1-7

Hengst J, Strunz B, Deterding K, Ljunggren HG, Leeansyah E, Manns MP, Cornberg M, Sandberg JK, Wedemeyer H, Bjorkstrom NK. Nonreversible MAIT cell-dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy. *Eur J Immunol* 2016;46(9):2204-2210

Hinrichs H, Hinrichs JB, Gutberlet M, Lenzen H, Raatschen HJ, Wacker F, Ringe Kl. Functional gadoxetate disodium-enhanced MRI in patients with primary sclerosing cholangitis (PSC). *Eur Radiol* 2016;26(4):1116-1124

Hinrichs JB, Shin HO, Kaercher D, Hasdemir D, Murray T, Kaireit T, Lutat C, Vogel A, Meyer BC, Wacker FK, Rodt T. Parametric response mapping of contrast-enhanced biphasic CT for evaluating tumour viability of hepatocellular carcinoma after TACE. *Eur Radiol* 2016;26(10):3447-3455

Hoepfner J, Kleinsorge M, Papp O, Ackermann M, Alfken S, Rinas U, Solodenko W, Kirschning A, Sgodda M, Cantz T. Biphasic modulation of Wnt signaling supports efficient foregut endoderm formation from human pluripotent stem cells *Cell Biol Int* 2016;40(5):534-548

Höner Zu Siederdissen C, Rinker F, Maasoumy B, Wiegand SB, Filmann N, Falk CS, Deterding K, Port K, Mix C, Manns MP, Herrmann E, Wedemeyer H, Kraft AR, Cornberg M. Viral and Host Responses After Stopping Long-term Nucleos(t)ide Analogue Therapy in HBeAg-Negative Chronic Hepatitis B. *J Infect Dis* 2016;214(10):1492-1497

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. *Mol Ther* 2016;24(7):1216-1226

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland *Med Klin Intensivmed Notfmed* 2017;112(4):347-351

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland. *Med Klin Intensivmed Notfmed* 2017;112(4):347-351

Jablonka A, Solbach P, Nothdorft S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015 *Dtsch Med Wochenschr* 2016;141(14):e128-32

Jablonka A, Solbach P, Nothdorft S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015. *Dtsch Med Wochenschr* 2016;141(14):e128-32

Jablonka A, Solbach P, Ringe B, Schleenvoigt BT, Dopfer C, Hampel A, Schmidt RE, Behrens GMN. Niedrige Seroprävalenz von Hepatitis C bei Flüchtlingen in Deutschland im Jahr 2015. *Notfall Rettungsmed* 2017;20(1):1-5

Jakobs P, Schulz P, Ortmann C, Schürmann S, Exner S, Rebollido-Rios R, Dreier R, Seidler DG, Grobe K. Bridging the gap: heparan sulfate and Scube2 assemble Sonic hedgehog release complexes at the surface of producing cells. *Sci Rep* 2016;6:26435

Ji SG, Juran BD, Mucha S, Folseraa T, Jostins L, Melum E, Kumasaka N, Atkinson EJ, Schlicht EM, Liu JZ, Shah T, Gutierrez-Achury J, Boberg KM, Bergquist A, Vermeire S, Eksteen B, Durie PR, Farkkila M, Müller T, Schramm C, Sterneck M, Weismüller TJ, Gotthardt DN, Ellinghaus D, Braun F, Teufel A, Laudes M, Lieb W, Jacobs G, Beuers U, Weersma RK, Wijmenga C, Marschall HU, Milkiewicz P, Pares A, Kontula K, Chazouillères O, Invernizzi P, Goode E, Spiess K, Moore C, Sambrook J, Ouwehand WH, Roberts DJ, Danesh J, Floreani A, Gulamhusein AF, Eaton JE, Schreiber S, Coltescu C, Bowlus CL, Luketic VA, Odin JA, Chopra KB, Kowdley KV, Chalasani N, Manns MP, Srivastava B, Mellis G, Sandford RN, Alexander G, Gaffney DJ, Chapman RW, Hirschfield GM, de Andrade M, UK-PSC Consortium, International IBD Genetics Consortium, International PSC Study Group, Rushbrook SM, Franke A, Karlsen TH, Lazaridis KN, Anderson CA. Genome-wide association study of primary sclerosing cholangitis identifies new risk loci and quantifies the genetic relationship with inflammatory bowel disease. *Nat Genet* 2017;49(2):269-273

Jüngst C, Gräber S, Klahn D, Wedemeyer H, Lammert F. Häufigkeit und Risikofaktoren medikamentös-toxischer Leberschäden: eine umfragebasierte Studie in Apotheken. *Z Gastroenterol* 2016;54(2):131-138

Kirstein MM, Schweitzer N, Ay N, Boeck C, Lappas K, Hinrichs JB, Voigtländer T, Wacker F, Manns MP, Rodt T, Vogel A. Experience from a real-life cohort: outcome of 606 patients with hepatocellular carcinoma following transarterial chemoembolization *Scand J Gastroenterol* 2017;52(1):116-124

Kirstein MM, Schweitzer N, Ay N, Boeck C, Lappas K, Hinrichs JB, Voigtländer T, Wacker F, Manns MP, Rodt T, Vogel A. Experience from a real-life cohort: outcome of 606 patients with hepatocellular carcinoma following transarterial chemoembolization. *Scand J Gastroenterol* 2017;52(1):116-124

Knocke S, Fleischmann-Mundt B, Saborowski M, Manns MP, Kühnel F, Wirth TC, Woller N. Tailored Tumor Immunogenicity Reveals Regulation of CD4 and CD8 T Cell Responses against Cancer. *Cell Rep* 2016;17(9):2234-2246

Krawczyk M, Rau M, Schattenberg JM, Bantel H, Pathil A, Demir M, Kluwe J, Boettler T, Lammert F, Geier A, NAFLD Clinical Study Group. Combined effects of the PNPLA3 rs738409, TM6SF2 rs58542926, and MBOAT7 rs641738 variants on NAFLD severity: a multicenter biopsy-based study. *J Lipid Res* 2017;58(1):247-255

Lankisch TO. Schwer oder nicht so schwere akute Pankreatitis: Ist der erste Eindruck entscheidend? *Z Gastroenterol* 2016;54(3):257-258

Lauermann J, Potthoff A, Mc Cavert M, Marquardt S, Vaske B, Rosenthal H, von Hahn T, Wacker F, Meyer BC, Rodt T. Comparison of Technical and Clinical Outcome of Transjugular Portosystemic Shunt Placement Between a Bare Metal Stent and a PTFE-Stentgraft Device. *Cardiovasc Intervent Radiol* 2016;39(4):547-556

Lim KT, Lee SC, Gao Y, Kim KP, Song G, An SY, Adachi K, Jang YJ, Kim J, Oh KJ, Kwak TH, Hwang SI, You JS, Ko K, Koo SH, Sharma AD, Kim JH, Hui L, Cantz T, Schöler HR, Han DW. Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. *Cell Rep* 2016;DOI: 10.1016/j.celrep.2016.03.071

Lunemann S, Martrus G, Hölzemer A, Chapel A, Ziegler M, Körner C, Garcia Beltran W, Carrington M, Wedemeyer H, Altfeld M. Sequence variations in HCV core-derived epitopes alter binding of KIR2DL3 to HLA-C \*03:04 and modulate NK cell function. *J Hepatol* 2016;65(2):252-258

Lutterkort GL, Wranke A, Yurdaydin C, Budde E, Westphal M, Lichtenhagen R, Stift J, Bremer B, Hardtke S, Keskin O, Idilman R, Koch A, Manns MP, Dienes HP, Wedemeyer H, Heidrich B. Non-Invasive Fibrosis Score for Hepatitis Delta. *Liver Int* 2017;37(2):196-204

Maan R, van Tilborg M, Deterding K, Ramji A, van der Meer AJ, Wong F, Fung S, Sherman M, Manns MP, Cornberg M, Hansen BE, Wedemeyer H, Janssen HL, de Knecht RJ, Feld JJ. Safety and Effectiveness of Direct-Acting Antiviral Agents for Treatment of Patients With Chronic Hepatitis C Virus Infection and Cirrhosis. *Clin Gastroenterol Hepatol* 2016;14(12):1821-1830.e6

Maan R, Zaim R, van der Meer AJ, Feld JJ, Wedemeyer H, Dufour JF, Lammert F, Manns MP, Zeuzem S, Hansen BE, Janssen H, Veldt BJ, de Knecht RJ, Uyl-de Groot CA. Real-world medical costs of antiviral therapy among patients with chronic HCV infection and advanced hepatic fibrosis. *J Gastroenterol Hepatol* 2016;31(11):1851-1859

Maasoumy B, Vermehren J, Welker MW, Bremer B, Perner D, Höner Zu Siederdissen C, Deterding K, Lehmann P, Cloherty G, Reinhardt B, Pawlotsky JM, Manns MP, Zeuzem S, Cornberg M, Wedemeyer H, Sarrazin C. Clinical value of on-treatment HCV RNA levels during different sofosbuvir-based antiviral regimens. *J Hepatol* 2016;65(3):473-482

Manns M, Samuel D, Gane EJ, Mutimer D, McCaughey G, Buti M, Prieto M, Calleja JL, Peck-Radosavljevic M, Müllhaupt B, Agarwal K, Angus P, Yoshida EM, Colombo M, Rizzetto M, Dvory-Sobol H, Denning J, Arterburn S, Pang PS, Brainard D, McHutchison JG, Dufour JF, Van Vlierberghe H, van Hoek B, Forns X, SOLAR-2 Investigators. Ledipasvir and sofosbuvir plus ribavirin in patients with genotype 1 or 4 hepatitis C virus infection and advanced liver disease: a multicentre, open-label, randomised, phase 2 trial. *Lancet Infect Dis* 2016;16(6):685-697

Manns M. Behandlung der Virushepatitiden - Revolution in 50 Jahren. *Drug Res (Stuttg)* 2016;66(S 01):S13-S14

Nalpas B, Ichai P, Jamot L, Carbonell N, Rudler M, Mathurin P, Durand F, Gerken G, Manns M, Trautwein C, Larrey D, Radenne S, Duvoux C, Leroy V, Bernauau J, Faivre J, Moniaux N, Bréchot C, Amouyal G, Amouyal P, Samuel D. A Proof of Concept, Phase II Randomized European Trial, on the Efficacy of ALF-5755, a Novel Extracellular Matrix-Targeted Antioxidant in Patients with Acute Liver Diseases. *PLoS One* 2016;11(3):e0150733

Niro GA, Smedile A, Fontana R, Olivero A, Ciancio A, Valvano MR, Pittaluga F, Coppola N, Wedemeyer H, Zachou K, Marrone A, Fasano M, Lotti G, Andreone P, Iacobellis A, Andriulli A, Rizzetto M. HBsAg kinetics in chronic hepatitis D during interferon therapy: on-treatment prediction of response. *Aliment Pharmacol Ther* 2016;44(6):620-628

Noyan F, Zimmermann K, Hardtke-Wolenski M, Knoefel A, Schulde E, Geffers R, Hust M, Huehn J, Galla M, Morgan M, Jokuszies A, Manns MP, Jaeckel E. Prevention of allograft rejection by use of regulatory T cells with a MHC-specific chimeric antigen receptor. *Am J Transplant* 2017;17(4):917-930

Piratvisuth T, Komolmit P, Chan HL, Tanwandee T, Sukepainsarnjaroen W, Pessoa MG, Fassio E, Ono SK, Bessone F, Daruich J, Zeuzem S, Manns M, Uddin A, Dong Y, Trylesinski A. Efficacy of telbivudine with conditional tenofovir intensification in patients with chronic hepatitis B: results from the 2-year roadmap strategy. *Drugs Context* 2016;5:212294

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Reddy KR, Lim JK, Kuo A, Di Bisceglie AM, Galati JS, Morelli G, Everson GT, Kwo PY, Brown RS, Jr, Sulkowski MS, Akushevich L, Lok AS, Pockros PJ, Vainorius M, Terrault NA, Nelson DR, Fried MW, Manns MP, HCV-TARGET Study Group. All-oral direct-acting antiviral therapy in HCV-advanced liver disease is effective in real-world practice: observations through HCV-TARGET database. *Aliment Pharmacol Ther* 2017;45(1):115-126

Regueiro M, Feagan BG, Zou B, Johanns J, Blank MA, Chevrier M, Plevy S, Popp J, Cornillie FJ, Lukas M, Danese S, Gionchetti P, Hanauer SB, Reinisch W, Sandborn WJ, Sorrentino D, Rutgeerts P, PREVENT Study Group. Infliximab Reduces Endoscopic, but Not Clinical, Recurrence of Crohn's Disease After Ileocolonic Resection. *Gastroenterology* 2016;150(7):1568-1578

Reinhardt A, Yevsa T, Worbs T, Lienenklaus S, Sandrock I, Oberdörfer L, Korn T, Weiss S, Förster R, Prinz I. Interleukin-23-Dependent gamma/delta T Cells Produce Interleukin-17 and Accumulate in the Enthesis, Aortic Valve, and Ciliary Body in Mice Arthritis Rheumatol 2016;68(10):2476-2486

Riemann A, Schneider B, Gündel D, Stock C, Gekle M, Thews O. Acidosis Promotes Metastasis Formation by Enhancing Tumor Cell Motility. *Adv Exp Med Biol* 2016;876:215-220

Ritorto MS, Rhode H, Vogel A, Borlak J. Regulation of glycosylphosphatidylinositol-anchored proteins and GPI-phospholipase D in a c-Myc transgenic mouse model of hepatocellular carcinoma and human HCC. *Biol Chem* 2016;397(11):1147-1162

Roy S, Benz F, Alder J, Bantel H, Janssen J, Vucur M, Gautheron J, Schneider A, Schüller F, Loosen S, Luedde M, Koch A, Tacke F, Luedde T, Trautwein C, Roderburg C. Down-regulation of miR-192-5p protects from oxidative stress-induced acute liver injury *Clin Sci (Lond)* 2016;130(14):1197-1207

Sarrazin C, Manns M, Calleja JL, Garcia-Samaniego J, Forns X, Kaste R, Bai X, Wu J, Stern JO. HCVerso3: An Open-Label, Phase IIb Study of Faldaprevir and Deleobuvir with Ribavirin in Hepatitis C Virus Genotype-1b-Infected Patients with Cirrhosis and Moderate Hepatic Impairment. *PLoS One* 2016;11(12):e0168544

Schirdewahn T, Grabowski J, Sekyere SO, Bremer B, Wranke A, Lunemann S, Schlaphoff V, Kirschner J, Hardtke S, Manns MP, Cornberg M, Wedemeyer H, Suneetha PV. The third signal cytokine IL-12 rather than immune checkpoint inhibitors contribute to the functional restoration of hepatitis D virus-specific T-cells. *J Infect Dis* 2017;215(1):139-149

Schmidt C, Ahmad T, Tulassay Z, Baumgart DC, Bokemeyer B, Howaldt S, Stallmach A, Büning C, AEGIS Study Group. Ferric maltol therapy for iron deficiency anaemia in patients with inflammatory bowel disease: long-term extension data from a Phase 3 study. *Aliment Pharmacol Ther* 2016;44(3):259-270

Schölmerich J, Fellermann K, Seibold FW, Rogler G, Langhorst J, Howaldt S, Novacek G, Petersen AM, Bachmann O, Matthes H, Hesselbarth N, Teich N, Wehkamp J, Klaus J, Ott C, Dilger K, Greinwald R, Mueller R, International TRUST-2 Study Group. A Randomised, Double-blind, Placebo-controlled Trial of Trichuris suis ova in Active Crohn's disease. *J Crohns Colitis* 2017;11(4):390-399

Schönemeier B, Metzger J, Klein J, Husi H, Bremer B, Armbrecht N, Dakna M, Schanstra JP, Rosendahl J, Wiegand J, Jäger M, Mullen W, Breuil B, Plentz RR, Lichtenhagen R, Brand K, Kühnel F, Mischak H, Manns MP, Lankisch TO. Urinary Peptide Analysis Differentiates Pancreatic Cancer From Chronic Pancreatitis. *Pancreas* 2016;45(7):1018-1026

Song G, Pacher M, Balakrishnan A, Yuan Q, Tsay HC, Yang D, Reetz J, Brandes S, Dai Z, Putzer BM, Arauzo-Bravo MJ, Steinemann D, Luedde T, Schwabe RF, Manns MP, Schöler HR, Schambach A, Cantz T, Ott M, Sharma AD. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. *Cell Stem Cell* 2016;18(6):797-808

Suhling H, Gottlieb J, Bara C, Taubert R, Jäckel E, Schiffer M, Bräsen JH. Chronische Abstossung: Unterschiede und Ähnlichkeiten bei verschiedenen soliden Organtransplantationen. *Internist (Berl)* 2016;57(1):25-37

Suk KT, Mederacke I, Gwak GY, Cho SW, Adeyemi A, Friedman R, Schwabe RF. Opposite roles of cannabinoid receptors 1 and 2 in hepatocarcinogenesis *Gut* 2016;65(10):1721-1732

Tacke F, Günther R, Buggisch P, Klinker H, Schober A, John C, Lutz T, Pfeiffer-Vornkahl H, Niederau C, Cornberg M, Sarrazin C, Mauss S. Treatment of HCV genotype 2 with sofosbuvir and ribavirin results in lower sustained virological response rates in real life than expected from clinical trials. *Liver Int* 2017;37(2):205-211

Thiesler CT, Cajic S, Hoffmann D, Thiel C, van Diepen L, Hennig R, Sgodda M, Weissmann R, Reichl U, Steinemann D, Diekmann U, Huber NM, Oberbeck A, Cantz T, Kuss AW, Korner C, Schambach A, Rapp E, Buettner FF. Glycomic characterization of induced pluripotent stem cells derived from a patient suffering from phosphomannomutase 2 congenital disorder of glycosylation *Mol Cell Proteomics* 2016;15(4):1435-1452

Todt D, François C, Anggakusuma, Behrendt P, Engelmann M, Knegeleiter L, Vieyres G, Wedemeyer H, Hartmann R, Pietschmann T, Duverlie G, Steinmann E. Antiviral Activities of Different Interferon Types and Subtypes against Hepatitis E Virus Replication *Antimicrob Agents Chemother* 2016;60(4):2132-2139

Todt D, Gisa A, Radonic A, Nitsche A, Behrendt P, Suneetha PV, Pischke S, Bremer B, Brown RJ, Manns MP, Cornberg M, Bock CT, Steinmann E, Wedemeyer H. In vivo evidence for ribavirin-induced mutagenesis of the hepatitis E virus genome. *Gut* 2016;65(10):1733-1743

Toyoda H, Lai PB, O'Beirne J, Chong CC, Berhane S, Reeves H, Manas D, Fox RP, Yeo W, Mo F, Chan AW, Tada T, Iñarraegui M, Vogel A, Schweitzer N, Chan SL, Sangro B, Kumada T, Johnson PJ. Long-term impact of liver function on curative therapy for hepatocellular carcinoma: application of the ALBI grade *Br J Cancer* 2016;114(7):744-750

Vermehren J, Maasoumy B, Maan R, Cloherty G, Berkowski C, Feld JJ, Cornberg M, Pawlotsky JM, Zeuzem S, Manns MP, Sarrazin C, Wedemeyer H. Applicability of Hepatitis C Virus RNA Viral Load Thresholds for 8-Week Treatments in Patients With Chronic Hepatitis C Virus Genotype 1 Infection. *Clin Infect Dis* 2016;62(10):1228-1234

Viola M, Brüggemann K, Karousou E, Caon I, Caravà E, Vigetti D, Greve B, Stock C, De Luca G, Passi A, Götte M. MDA-MB-231 breast cancer cell viability, motility and matrix adhesion are regulated by a complex interplay of heparan sulfate, chondroitin-/dermatan sulfate and hyaluronan biosynthesis. *Glycoconj J* 2016;DOI: 10.1007/s10719-016-9735-6

Vogel A, Gupta S, Zeile M, von Haken R, Brüning R, Lotz G, Vahrmeijer A, Vogl T, Wacker F. Chemosaturation Percutaneous Hepatic Perfusion: A Systematic Review. *Adv Ther* 2017;33(12):2122-2138

Vogel A, Römmeler-Zehrer J, Li JS, McGovern D, Romano A, Stahl M. Efficacy and safety profile of nab-paclitaxel plus gemcitabine in patients with metastatic pancreatic cancer treated to disease progression: a subanalysis from a phase 3 trial (MPACT) *BMC Cancer* 2016;16(1):817

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stripecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup> /H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. *J Cell Physiol* 2017;232(7):1669-1680

Wedemeyer H, Forns X, Hezode C, Lee SS, Scalori A, Voulgaris A, Le Pogam S, Najera I, Thommes JA. Mericitabine and Either Boceprevir or Telaprevir in Combination with Peginterferon Alfa-2a plus Ribavirin for Patients with Chronic Hepatitis C Genotype 1 Infection and Prior Null Response: The Randomized DYNAMO 1 and DYNAMO 2 Studies. *PLoS One* 2016;11(1):e0145409

Welzel TM, Petersen J, Herzer K, Ferenci P, Gschwantler M, Wedemeyer H, Berg T, Spengler U, Weiland O, van der Valk M, Rockstroh J, Peck-Radosavljevic M, Zhao Y, Jimenez-Exposito MJ, Zeuzem S. Daclatasvir plus sofosbuvir, with or without ribavirin, achieved high sustained virological response rates in patients with HCV infection and advanced liver disease in a real-world cohort *Gut* 2016;65(11):1861-1870

Westhoff-Bleck M, Briest J, Fraccarollo D, Hilfiker-Kleiner D, Winter L, Maske U, Busch MA, Bleich S, Bauersachs J, Kahl KG. Mental disorders in adults with congenital heart disease: Unmet needs and impact on quality of life. *J Affect Disord* 2016;204:180-186

Wiesmann F, Naeth G, Berger A, Hirsch HH, Regenass S, Ross RS, Sarrazin C, Wedemeyer H, Knechten H, Braun P. Multicentric performance analysis of HCV quantification assays and its potential relevance for HCV treatment. *Med Microbiol Immunol* 2016;205(3):263-268

Wirth TC, Vogel A. Surveillance in cholangiocellular carcinoma *Best Pract Res Clin Gastroenterol* 2016;30(6):987-999

Wolf B, Krieg K, Falk C, Breuhahn K, Keppeler H, Biedermann T, Schmid E, Warmann S, Fuchs J, Vetter S, Thiele D, Nieser M, Avci-Adali M, Skokowa Y, Schöls L, Hauser S, Ringelhan M, Yevsa T, Heikenwalder M, Kossatz-Boehlert U. Inducing Differentiation of Premalignant Hepatic Cells as a Novel Therapeutic Strategy in Hepatocarcinoma. *Cancer Res* 2016;76(18):5550-5561

Wrangé A, Serrano BC, Heidrich B, Kirschner J, Bremer B, Lehmann P, Hardtke S, Deterding K, Port K, Westphal M, Manns MP, Cornberg M, Wedemeyer H. Antiviral treatment and liver-related complications in hepatitis delta Hepatology 2017;65(2):414-425

Yang D, Yuan Q, Balakrishnan A, Bantel H, Klusmann JH, Manns MP, Ott M, Cantz T, Sharma AD. MicroRNA-125b-5p mimic inhibits acute liver failure. Nat Commun 2016;7:11916

Yu Q, Liu X, Liu Y, Riederer B, Li T, Tian DA, Tuo B, Shull G, Seidler U. Defective small intestinal anion secretion, dipeptide absorption, and intestinal failure in suckling NBCe1-deficient mice. Pflugers Arch 2016;468(8):1419-1432

Zender S, Nickeleit I, Wuestefeld T, Sörensen I, Dauch D, Bozko P, El-Khatib M, Geffers R, Bektaş H, Manns MP, Gossler A, Wilkens L, Plentz R, Zender L, Malek NP. A Critical Role for Notch Signaling in the Formation of Cholangiocellular Carcinomas. Cancer Cell 2016;30(2):353-356

Zenouzi R, Weismüller TJ, Jorgensen KK, Bubenheim M, Lenzen H, Hübener P, Schulze K, Weiler-Normann C, Sebode M, Ehlken H, Panicke N, Hartl J, Peiseler M, Hübener S, Karlsen TH, Boberg KM, Manns MP, Lohse AW, Schramm C. No Evidence That Azathioprine Increases Risk of Cholangiocarcinoma in Patients With Primary Sclerosing Cholangitis. Clin Gastroenterol Hepatol 2016;14(12):1806-1812

Zhu AX, Chen D, He W, Kanai M, Voi M, Chen LT, Daniele B, Furuse J, Kang YK, Poon RT, Vogel A, Chiang DY. Integrative biomarker analyses indicate etiological variations in hepatocellular carcinoma J Hepatol 2016;65(2):296-304

Zhu AX, Kang YK, Rosmorduc O, Evans TR, Santoro A, Ross P, Gane E, Vogel A, Jeffers M, Meinhardt G, Peña CE. Biomarker Analyses of Clinical Outcomes in Patients with Advanced Hepatocellular Carcinoma Treated with Sorafenib with or without Erlotinib in the SEARCH Trial Clin Cancer Res 2016;22(19):4870-4879

### Übersichtsarbeiten

Cornberg M, Schlegel B, Rademacher J, Schwarz A, Sandherr M, Maschmeyer G. Spezifische Infektionen bei Organtransplantationen. Internist (Berl) 2016;57(1):38-48

Cornberg M, Wedemeyer H. Hepatitis C virus infection from the perspective of heterologous immunity Curr Opin Virol 2016;16:41-48

Cornberg M, Wong VW, Locarnini S, Brunetto M, Janssen HL, Chan HL. The role of quantitative hepatitis B surface antigen revisited. J Hepatol 2017;66(2):398-411

Cornberg M. Hepatitis C: Eine Pille für alle HCV-Genotypen? Dtsch Med Wochenschr 2016;141(6):380

Dietrich CF, Chiorean L, Potthoff A, Ignee A, Cui X, Sparchez Z. Percutaneous sclerotherapy of liver and renal cysts, comments on the EFSUMB guidelines. Z Gastroenterol 2016;54(2):155-166

Eigentler TK, Hassel JC, Berking C, Aberle J, Bachmann O, Grünwald V, Kähler KC, Loquai C, Reinmuth N, Steins M, Zimmer L, Sendl A, Gutzmer R. Diagnosis, monitoring and management of immune-related adverse drug reactions of anti-PD-1 antibody therapy. Cancer Treat Rev 2016;45:7-18

Hardtke S, Wiebner B, Manns MP. Vom Kompetenznetz Hepatitis (HepNet) zur Deutschen Leberstiftung. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2016;59(4):482-488

Höner Zu Siederdissen C, Cornberg M. Management of HBV and HBV/HDV-Associated Liver Cirrhosis Visc Med 2016;32(2):86-94

Kirstein MM, Vogel A. Transarterial Chemoembolization versus Resection in Patients with Large, Solitary Hepatocellular Carcinoma J Vasc Interv Radiol 2016;27(11):1773-1774

Ku NO, Strnad P, Bantel H, Omary MB. Keratins: Biomarkers and modulators of apoptotic and necrotic cell death in the liver Hepatology 2016;64(3):966-976

Liberal R, Krawitt EL, Vierling JM, Manns MP, Mieli-Vergani G, Vergani D. Cutting edge issues in autoimmune hepatitis. J Autoimmun 2016;75:6-19

Mallet V, van Bömmel F, Doerig C, Pischke S, Hermine O, Locasciulli A, Cordonnier C, Berg T, Moradpour D, Wedemeyer H, Ljungman P, ECIL-5. Management of viral hepatitis in patients with haematological malignancy and in patients undergoing haemopoietic stem cell transplantation: recommendations of the 5th European Conference on Infections in Leukaemia (ECIL-5). Lancet Infect Dis 2016;16(5):606-617

Manns MP. Positive Prognose. *forschung* 2016;41(4):10-13

Moradpour D, Grakoui A, Manns MP. Future landscape of hepatitis C research - Basic, translational and clinical perspectives. *J Hepatol* 2016;65(1 Suppl):S143-55

Oldhafer F, Bock M, Falk CS, Vondran FW. Immunological aspects of liver cell transplantation. *World J Transplant* 2016;6(1):42-53

Pfaender S, von Hahn T, Steinmann J, Ciesek S, Steinmann E. Prevention strategies for blood-borne viruses-in the Era of vaccines, direct acting antivirals and antiretroviral therapy *Rev Med Virol* 2016;26(5):330-339

Schweitzer N, Vogel A. Systemic therapy of cholangiocarcinoma: From chemotherapy to targeted therapies. *Best Pract Res Clin Gastroenterol* 2015;29(2):345-353

Vogel A, Ciardiello F, Hubner RA, Blanc JF, Carrato A, Yang Y, Patel DA, Ektare V, de Jong FA, Gill S. Post-gemcitabine therapy for patients with advanced pancreatic cancer - A comparative review of randomized trials evaluating oxaliplatin- and/or irinotecan-containing regimens *Cancer Treat Rev* 2016;50:142-147

Wirth TC, Manns MP. The impact of the revolution in hepatitis C treatment on hepatocellular carcinoma. *Ann Oncol* 2016;27(8):1467-1474

Wranke A, Wedemeyer H. Antiviral therapy of hepatitis delta virus infection - progress and challenges towards cure *Curr Opin Virol* 2016;20:112-118

#### **Letter**

Bantel H, Wandrer F, Bock B, Kirstein MM, Schulze-Osthoff K. Letter: cytokeratin-18 as a biomarker of hepatocellular carcinoma regression after transarterial chemoembolization. Authors' reply *Aliment Pharmacol Ther* 2017;45(1):184-185

Weller R, Todt D, Engelmann M, Friesland M, Wedemeyer H, Pietschmann T, Steinmann E. Apolipoprotein E polymorphisms and their protective effect on hepatitis E virus replication. *Hepatology* 2016;64(6):2274-2276

#### **Case Reports**

Vondran FW, Schumacher C, Johanning K, Hartleben B, Knitsch W, Wiesner O, Jaeckel E, Manns MP, Klempnauer J, Bektas H, Lehner F. Application of the Liver Maximum Function Capacity Test in Acute Liver Failure: A Helpful Tool for Decision-Making in Liver Transplantation? *Case Rep Transplant* 2016;2016:7074636

#### **Editorials**

Haller H, Manns MP, Welte T. Transplantation: Chancen und Grenzen. *Internist (Berl)* 2016;57(1):5-6

Manns MP. Future Organization of Clinical Research in Germany: The Road to the "German Centre for Digestive Health" (GCDH) *Z Gastroenterol* 2016;54(12):1293-1295

Sipido K, Degos L, Frackowiak R, Ganter D, Hofstraat H, Horvath I, Luyten F, Manns M, Oertel W, Zima T. Scientific Panel for Health: better research for better health. *Lancet* 2016;388(10047):865-866

#### **Abstracts**

Bourlière M, Manns M, Brown D, Kwoal P. HEP-08 - Sécurité et tolérance de l'association elbasvir/grazoprévir (EBV/GZR) chez des patients infectés par le VHC : analyse poolée d'essais de phase 2/3. *Med Mal Infect* 2016;46(4 Suppl 1):52-53

Saalfeld B, Schulze M, Bauer J, Becker M, Bente P, Dasenbrock L, Dölle M, Gietzelt M, Holtkamp K, Haux R, Hein A, Kolb G, Künemund H, Lammel-Polchau C, Marschollek M, Meis M, Meyer zu Schwabedissen H, Steen EE, Wolf KH. Zusammenhänge zwischen triaxialen Accelerometerdaten geriatrischer Probanden und Mobilitätsassessments in der Frakturrehabilitation - Beispiele aus der GAL-NATARS-Studie. *HEC* 2016: Health - Exploring Complexity. Joint Conference of GMDS, DGEpi, IEA-EEF, EFMI. München, 28.08.-02.09.2016  
Volltext: <http://dx.doi.org/10.3205/16gmds159>

#### **Habilitationen**

Mederacke, Ingmar (PD Dr. med.): Die Rolle hepatischer Sternzellen in der Fibrogenese  
MHH-Signatur: D 80191

#### **Promotionen**

Atenchong, Nkacheh (Dr. rer. nat. Virology M.Sc. Microbiology): Defining a minimal set of filovirus cell entry factors  
MHH-Signatur: D 80174

Bock, Britta Maria Lena (Dr. med.): Biomarker zur Beurteilung des Therapieansprechens bei Hepatozellulärem Karzinom  
MHH-Signatur: D 80604

Chodisetti, Giriprakash (Dr. rer. nat.): The role of PDZK1 in NHE3 regulation in intestinal epithelial cells  
MHH-Signatur: D 80489

Farid, Marwa (PhD M.Sc.): Improving primary hepatocyte expansion and liver regeneration by small molecules  
MHH-Signatur: D 80522

Geiger, Elena (Dr. med.): Untersuchung von prognostischen Faktoren bei Patienten mit Autoimmunhepatitis  
MHH-Signatur: D 80651

Gisa, Anett (Dr. rer. nat.): Pathophysiology of hepatitis E virus infection viral evolution during antiviral therapy and virus-specific T cell responses  
MHH-Signatur: D 80439

Gutierrez Jauregui, Rodrigo (PhD M.Sc.): Human adult liver progenitor cells generated from patient samples  
MHH-Signatur: D 80506

Jedicke, Nils (Dr. med.): Alpha-1-antitrypsin inhibits acute liver failure in mice  
MHH-Signatur: D 80654

Liu, Yongjian (Dr. med.): Differential regulation of murine small intestinal ion and fluid transport by acidbase transporters, lipid rafts and the NHERF family of PDZ adaptor proteins  
MHH-Signatur: D 80482

Paquet, Stefanie Isabell (Dr. med.): Definition einer minimalen Lipid-Droplet-Bindungsdomäne des Hepatitis-C-Virus Nichtstrukturproteins 5A  
MHH-Signatur: D 80490

Pastor, Julia (Dr. med.): Die Fluoreszenz in situ Hybridisierung zur Diagnose des heptozellulären Karzinoms eine retrospektive Studie  
MHH-Signatur: D 80485

Riedel, Gesa Carolin (Dr. med.): Referenzgene für die quantitative RT-qPCR Analyse von humanen hepatozytenähnlichen Zellen  
MHH-Signatur: D 80613

Sandmann, Lisa (Dr. med.): Einfluss antiretroviraler Medikamente auf den Zelleintritt, die Replikation und die Infektiosität des Hepatitis C Virus in vitro  
MHH-Signatur: D 80445

Schettler, Anika (Dr. rer. biol. hum.): Bedeutung der Leberfunktion im Rahmen der Implantation eines Ventricular Assist Device und Identifikation potenzieller hepatischer Risikoparameter  
MHH-Signatur: D 80492

Sensoy, Ayberk (Dr. med.): Schwangerschaften nach Leber- und Nierentransplantation eine retrospektive Analyse  
MHH-Signatur: D 80632

Song, Guangqi (Dr. rer. nat.): Hepatic endoderm fate induction in somatic cells by transcription factor mediated programming  
MHH-Signatur: D 80626

Stückemann, Viola (Dr. rer. nat. M.Sc. Biomedicine): In vitro and in vivo Pdx1 mediated transdifferentiation of liver cells into insulin producing cells  
MHH-Signatur: D 80524

Tsay, Hsin-Chieh (PhD M.Sc.): Molecular dissection of liver fibrosis in mice  
MHH-Signatur: D 80525

Wiegand, Steffen (Dr. med.): Bedeutung von Interferon- $\beta$ -inducible Protein 10 (IP-10, CXCL-10) bei der chronischen Hepatitis B  
MHH-Signatur: D 80646

## Klinik für Hämatologie, Hämostaseologie, Onkologie und Stammzelltransplantation – 6860

### Originalpublikationen

Abbas M, Steffens S, Bellut M, Becker JU, Großhennig A, Eggers H, Wegener G, Kuczyk MA, Kreipe HH, Grünwald V, Schrader AJ, Ivanyi P. Do programmed death 1 (PD-1) and its ligand (PD-L1) play a role in patients with non-clear cell renal cell carcinoma? *Med Oncol* 2016;33(6):59

Abbas M, Steffens S, Bellut M, Eggers H, Großhennig A, Becker JU, Wegener G, Schrader AJ, Grünwald V, Ivanyi P. Intratumoral expression of programmed death ligand 1 (PD-L1) in patients with clear cell renal cell carcinoma (ccRCC) *Med Oncol* 2016;33(7):80

Bedke J, Gauler T, Grünwald V, Hegele A, Herrmann E, Hinz S, Janssen J, Schmitz S, Schostak M, Tesch H, Zastrow S, Miller K. Systemic therapy in metastatic renal cell carcinoma *World J Urol* 2017;35(2):179-188

Bono P, Oudard S, Bodrogi I, Hutson TE, Escudier B, Machiels JP, Thompson JA, Figlin RA, Ravaud A, Basaran M, Porta C, Bracarda S, Brechenmacher T, Lin C, Voi M, Grunwald V, Motzer RJ. Outcomes in Patients With Metastatic Renal Cell Carcinoma Who Develop Everolimus-Related Hyperglycemia and Hypercholesterolemia: Combined Subgroup Analyses of the RECORD-1 and REACT Trials *Clin Genitourin Cancer* 2016;14(5):406-414

Botezatu L, Michel LC, Helness A, Vadnais C, Makishima H, Hönes JM, Robert F, Vassen L, Thivakaran A, Al-Matary Y, Lams RF, Schütte J, Giebel B, Görgens A, Heuser M, Medyoub H, Maciejewski J, Dührsen U, Möröy T, Khandanpour C. Epigenetic therapy as a novel approach for GFI136N-associated murine/human AML. *Exp Hematol* 2016;44(8):713-726.e14

Buesche G, Teoman H, Giagounidis A, Göhring G, Schlegelberger B, Ganser A, Aul C, Kreipe HH. Impaired formation of erythroblastic islands is associated with erythroid failure and poor prognosis in a significant proportion of patients with myelodysplastic syndromes *Haematologica* 2016;101(5):e177-81

Calvo E, Schmidinger M, Heng DY, Grünwald V, Escudier B. Improvement in survival end points of patients with metastatic renal cell carcinoma through sequential targeted therapy. *Cancer Treat Rev* 2016;50:109-117

Cella D, Grünwald V, Nathan P, Doan J, Dastani H, Taylor F, Bennett B, DeRosa M, Berry S, Broglio K, Berghorn E, Motzer RJ. Quality of life in patients with advanced renal cell carcinoma given nivolumab versus everolimus in CheckMate 025: a randomised, open-label, phase 3 trial *Lancet Oncol* 2016;17(7):994-1003

Chaturvedi A, Araujo Cruz MM, Jyotsana N, Sharma A, Goparaju R, Schwarzer A, Görlich K, Schottmann R, Struys EA, Jansen EE, Rohde C, Müller-Tidow C, Geffers R, Göhring G, Ganser A, Thol F, Heuser M. Enantiomer-specific and paracrine leukemogenicity of mutant IDH metabolite 2-hydroxyglutarate Leukemia 2016;30(8):1708-1715

Doehn C, Grünwald V, Steiner T, Follmann M, Rexer H, Krege S. The Diagnosis, Treatment, and Follow-up of Renal Cell Carcinoma *Dtsch Arztebl Int* 2016;113(35-36):590-596

Endig J, Buitrago-Molina LE, Marhenke S, Reisinger F, Saborowski A, Schütt J, Limbourg F, Könecke C, Schreder A, Michael A, Misslitz AC, Healy ME, Geffers R, Clavel T, Haller D, Unger K, Finegold M, Weber A, Manns MP, Longerich T, Heikenwälder M, Vogel A. Dual Role of the Adaptive Immune System in Liver Injury and Hepatocellular Carcinoma Development *Cancer Cell* 2016;30(2):308-323

Erlmeier F, Hartmann A, Autenrieth M, Wiedemann M, Ivanyi P, Steffens S, Weichert W. PD-1/PD-L1 expression in chromophobe renal cell carcinoma: An immunological exception? *Med Oncol* 2016;33(11):120

Erlmeier F, Ivanyi P, Hartmann A, Autenrieth M, Wiedemann M, Weichert W, Steffens S. c-Met in chromophobe renal cell carcinoma. *Med Oncol* 2017;34(2):15

Escudier B, Porta C, Schmidinger M, Rioux-Leclercq N, Bex A, Khoo V, Gruenwald V, Horwich A, ESMO Guidelines Committee. Renal cell carcinoma: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up. *Ann Oncol* 2016;27(suppl 5):v58-v68

Gaidzik VI, Teleanu V, Papaemmanuil E, Weber D, Paschka P, Hahn J, Wallrabenstein T, Kolbinger B, Köhne CH, Horst HA, Brossart P, Held G, Kündgen A, Ringhoffer M, Götze K, Rummel M, Gerstung M, Campbell P, Kraus JM, Kestler HA, Thol F, Heuser M, Schlegelberger B, Ganser A, Bullinger L, Schlenk RF, Döhner K, Döhner H. RUNX1 mutations in acute myeloid leukemia are associated with distinct clinical-pathologic and genetic features. *Leukemia* 2016;30(11):2160-2168

Gaidzik VI, Teleanu V, Papaemmanuil E, Weber D, Paschka P, Hahn J, Wallrabenstein T, Kolbinger B, Köhne CH, Horst HA, Brossart P, Held G, Kündgen A, Ringhoffer M, Götze K, Rummel M, Gerstung M, Campbell P, Kraus JM, Kestler HA, Thol F, Heuser M, Schlegelberger B, Ganser A, Bullinger L, Schlenk RF, Döhner K, Döhner H. RUNX1 mutations in acute myeloid leukemia are associated with distinct clinical-pathologic and genetic features. *Leukemia* 2016;30(11):2282

Grassi P, Doucet L, Giglione P, Grünwald V, Melichar B, Galli L, De Giorgi U, Sabbatini R, Ortega C, Santoni M, Bamias A, Verzoni E, Derosa L, Studentova H, Pacifici M, Coppa J, Mazzaferro V, de Braud F, Porta C, Escudier B, Procopio G. Clinical Impact of Pancreatic Metastases from Renal Cell Carcinoma: A Multicenter Retrospective Analysis *PLoS One* 2016;11(4):e0151662

Grünwald V, Lin X, Kalanovic D, Simantov R. Early Tumour Shrinkage: A Tool for the Detection of Early Clinical Activity in Metastatic Renal Cell Carcinoma *Eur Urol* 2016;70(6):1006-1015

Grünwald V, Litière S, Young R, Messiou C, Lia M, Wardemann E, van der Graaf W, Gronchi A, Judson I, EORTC STBSG. Absence of progression, not extent of tumour shrinkage, defines prognosis in soft-tissue sarcoma - An analysis of the EORTC 62012 study of the EORTC STBSG *Eur J Cancer* 2016;64:44-51

Grünwald V. Checkpoint Blockade - a New Treatment Paradigm in Renal Cell Carcinoma *Oncol Res Treat* 2016;39(6):353-358

Gupta SK, Itagaki R, Zheng X, Batkai S, Thum S, Ahmad F, Van Aelst LN, Sharma A, Piccoli MT, Weinberger F, Fiedler J, Heuser M, Heymans S, Falk CS, Förster R, Schrepfer S, Thum T. miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. *Cardiovasc Res* 2016;110(2):215-226

Hambach L, Buser A, Vermeij M, Pouw N, van der Kwast T, Goulmy E. Human Microtumors Generated in 3D: Novel Tools for Integrated In Situ Studies of Cancer Immunotherapies. *Methods Mol Biol* 2016;1393:147-161

Heidenreich S, Ziegkos D, de Wreede LC, van Biezen A, Finke J, Platzbecker U, Niederwieser D, Einsele H, Bethge W, Schleuning M, Beelen DW, Tischer J, Nagler A, Glass B, Maertens J, Yanez L, Beguin Y, Sill H, Scheid C, Stelljes M, Ganser A, Zachee P, Selleslag D, de Witte T, Robin M, Kröger N. Allogeneic Stem Cell Transplantation for Patients Age >/= 70 Years with Myelodysplastic Syndrome: A Retrospective Study of the MDS Subcommittee of the Chronic Malignancies Working Party of the EBMT. *Biol Blood Marrow Transplant* 2017;23(1):44-52

Heuser M, Thol F, Ganser A. Clonal Hematopoiesis of Indeterminate Potential. *Dtsch Arztebl Int* 2016;113(18):317-322

Heuser M. Therapy-related myeloid neoplasms: does knowing the origin help to guide treatment? *Hematology Am Soc Hematol Educ Program* 2016;2016(1):24-32

Hökendorf U, Yabal M, Herold T, Munkhbaatar E, Rott S, Jilg S, Kauschinger J, Magnani G, Reisinger F, Heuser M, Kreipe H, Sotlar K, Engleitner T, Rad R, Weichert W, Peschel C, Ruland J, Heikenwalder M, Spiekermann K, Slotta-Huspenina J, Groß O, Jost PJ. RIPK3 Restricts Myeloid Leukemogenesis by Promoting Cell Death and Differentiation of Leukemia Initiating Cells *Cancer Cell* 2016;30(1):75-91

Hönes JM, Botezatu L, Helness A, Vadnais C, Vassen L, Robert F, Hergenhan SM, Thivakaran A, Schütte J, Al-Matary YS, Lams RF, Fraszscak J, Makishima H, Radivoyevitch T, Przychodzen B, da Conceição Castro SV, Görgens A, Giebel B, Klein-Hitpass L, Lennartz K, Heuser M, Thiede C, Ehninger G, Dührsen U, Maciejewski JP, Möröy T, Khandanpour C. GFI1 as a novel prognostic and therapeutic factor for AML/MDS. *Leukemia* 2016;30(6):1237-1245

Huang K, Yang M, Pan Z, Heidel FH, Scherr M, Eder M, Fischer T, Büsche G, Welte K, von Neuhoff N, Ganser A, Li Z. Leukemogenic potential of the novel FLT3-N676K mutant. *Ann Hematol* 2016;95(5):783-791

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. *Mol Ther* 2016;24(7):1216-1226

Hütter-Krönke ML, Benner A, Döhner K, Krauter J, Weber D, Moessner M, Köhne CH, Horst HA, Schmidt-Wolf IG, Rummel M, Götze K, Koller E, Petzer AL, Salwender H, Fiedler W, Kirchen H, Haase D, Kremers S, Theobald M, Matzdorff AC, Ganser A, Döhner H, Schlenk RF. Salvage therapy with high-dose cytarabine and mitoxantrone in combination with all-trans retinoic acid and gemtuzumab ozogamicin in acute myeloid leukemia refractory to first induction therapy. *Haematologica* 2016;101(7):839-845

Ivanyi P, Beutel G, Drewes N, Pirr J, Kielstein JT, Morgan M, Ganser A, Grünwald V. Therapy of Treatment-Related Hypertension in Metastatic Renal-Cell Cancer Patients Receiving Sunitinib. *Clin Genitourin Cancer* 2017;15(2):280-290.e3

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happle C. Tetanus and diphtheria immunity in refugees in Europe in 2015. *Infection* 2017;45(2):157-164

Karch A, Koch A, Grünwald V. A phase II trial comparing pazopanib with doxorubicin as first-line treatment in elderly patients with metastatic or advanced soft tissue sarcoma (EPAZ): study protocol for a randomized controlled trial. *Trials* 2016;17(1):312

Klimiankou M, Mellor-Heineke S, Klimenkova O, Reinel E, Uenalan M, Kandabara S, Skokowa J, Welte K, Zeidler C. Two cases of cyclic neutropenia with acquired CSF3R mutations, with 1 developing AML. *Blood* 2016;127(21):2638-2641

Klimiankou M, Mellor-Heineke S, Zeidler C, Welte K, Skokowa J. Role of CSF3R mutations in the pathomechanism of congenital neutropenia and secondary acute myeloid leukemia. *Ann N Y Acad Sci* 2016;1370(1):119-125

Koch C, Samareh B, Morishima T, Mir P, Kanz L, Zeidler C, Skokowa J, Welte K. GM-CSF treatment is not effective in congenital neutropenia patients due to its inability to activate NAMPT signaling. *Ann Hematol* 2017;96(3):345-353

Koenecke C, Heim D, van Biezen A, Heuser M, Aljurf M, Kyrcz-Krzemien S, Volin L, de Souza CA, Gedde-Dahl T, Sengeloev H, Schanz U, Komarnicki M, Arroyo CH, Tholouli E, Gluckman E, Esquirol A, Yakoub-Agha I, Gurman G, Olavarria E, Kröger N. Outcome of patients with chronic myeloid leukemia and a low-risk score: allogeneic hematopoietic stem cell transplantation in the era of targeted therapy. A report from the EBMT Chronic Malignancies Working Party. *Bone Marrow Transplant* 2016;51(9):1259-1261

Kossak-Roth U, Saussele S, Aul C, Büchner T, Döhner H, Dugas M, Ehninger G, Ganser A, Giagounidis A, Gokbüget N, Griesshammer M, Hasford J, Heuser M, Hiddemann W, Hochhaus A, Hoelzer D, Niederwieser D, Reiter A, Röllig C, Hehlmann R. Entstehung, Entwicklung und Erfolge des Kompetenznetzes Akute und Chronische Leukämien (KNL). *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(4):444-453

Krowiorz K, Ruschmann J, Lai C, Ngom M, Maetzig T, Martins V, Scheffold A, Schneider E, Pochert N, Miller C, Palmqvist L, Staffas A, Mulaw M, Bohl SR, Buske C, Heuser M, Kraus J, O'Neill K, Hansen CL, Petriv OI, Kestler H, Döhner H, Bullinger L, Döhner K, Humphries RK, Rouhi A, Kuchenbauer F. MiR-139-5p is a potent tumor suppressor in adult acute myeloid leukemia. *Blood Cancer J* 2016;6(12):e508

Lee CW, Wohlan K, Dallmann I, Förster R, Ganser A, Krueger A, Scherr M, Eder M, Koenecke C. miR-181a Expression in Donor T Cells Modulates Graft-versus-Host Disease after Allogeneic Bone Marrow Transplantation. *J Immunol* 2016;196(9):3927-3934

Low HZ, Ahrenstorff G, Pommerenke C, Habermann N, Schughart K, Ordóñez D, Stripecke R, Wilk E, Witte T. TLR8 regulation of LILRA3 in monocytes is abrogated in human immunodeficiency virus infection and correlates to CD4 counts and virus loads. *Retrovirology* 2016;13:15

Madan V, Shyamsunder P, Han L, Mayakonda A, Nagata Y, Sundaresan J, Kanoja D, Yoshida K, Ganesan S, Hattori N, Fulton N, Tan KT, Alpermann T, Kuo MC, Rostami S, Matthews J, Sanada M, Liu LZ, Shiraishi Y, Miyano S, Chendamarai E, Hou HA, Malnassy G, Ma T, Garg M, Ding LW, Sun QY, Chien W, Ikezoe T, Lill M, Biondi A, Larson RA, Powell BL, Lubbert M, Chng WJ, Tien HF, Heuser M, Ganser A, Koren-Michowitz M, Kornblau SM, Kantarjian HM, Nowak D, Hofmann WK, Yang H, Stock W, Ghavamzadeh A, Alimoghadam K, Haferlach T, Ogawa S, Shih LY, Mathews V, Koeffler HP. Comprehensive mutational analysis of primary and relapse acute promyelocytic leukemia. *Leukemia* 2016;30(8):1672-1681

Malard F, Labopin M, Stuhler G, Bittenbring J, Ganser A, Tischer J, Michallet M, Kroger N, Schmid C, Huynh A, Hallek M, Savani BN, Mohty M, Nagler A. Sequential Intensified Conditioning Regimen Allogeneic Hematopoietic Stem Cell Transplantation in Adult Patients with Intermediate- or High-Risk Acute Myeloid Leukemia in Complete Remission: A Study from the Acute Leukemia Working Party of the European Group for Blood and Marrow Transplantation. *Biol Blood Marrow Transplant* 2017;23(2):278-284

Manukyan G, Ripperger T, Venturini L, Stadler M, Göhring G, Schambach A, Schlegelberger B, Steinemann D. GABP is necessary for stem/progenitor cell maintenance and myeloid differentiation in human hematopoiesis and chronic myeloid leukemia. *Stem Cell Res* 2016;16(3):677-681

Mossner M, Jann JC, Nowak D, Platzbecker U, Giagounidis A, Götzke K, Letsch A, Haase D, Shirneshan K, Braulke F, Schlenk RF, Haferlach T, Schafhausen P, Bug G, Lubbert M, Ganser A, Büsche G, Schuler E, Nowak V, Pressler J, Obländer J, Fey S, Müller N, Lauinger-Lörsch E, Metzgeroth G, Weiss C, Hofmann WK, Germing U, Nolte F. Prevalence, clonal dynamics and clinical impact of TP53 mutations in patients with myelodysplastic syndrome with isolated deletion (5q) treated with lenalidomide: results from a prospective multicenter study of the German MDS study group (GMDS). *Leukemia* 2016;30(9):1956-1959

Nonhoff J, Ricke-Hoch M, Mueller M, Stapel B, Pfeffer T, Kasten M, Scherr M, von Kaisenberg C, Bauersachs J, Haghikia A, Hilfiker-Kleiner D. Serelaxin treatment promotes adaptive hypertrophy but does not prevent heart failure in experimental peripartum cardiomyopathy. *Cardiovasc Res* 2017;DOI: 10.1093/cvr/cvw245

Papaemmanuil E, Gerstung M, Bullinger L, Gaidzik VI, Paschka P, Roberts ND, Potter NE, Heuser M, Thol F, Bolli N, Gundem G, Van Loo P, Martincorena I, Ganly P, Mudie L, McLaren S, O'Meara S, Raine K, Jones DR, Teague JW, Butler AP, Greaves MF, Ganser A, Dohner K, Schlenk RF, Dohner H, Campbell PJ. Genomic Classification and Prognosis in Acute Myeloid Leukemia. *N Engl J Med* 2016;374(23):2209-2221

Peyvandi F, Scully M, Kremer Hovinga JA, Cataland S, Knobl P, Wu H, Artoni A, Westwood JP, Mansouri Taleghani M, Jilma B, Callewaert F, Ulrichs H, Duby C, Tersago D, TITAN Investigators. Caplizumab for Acquired Thrombotic Thrombocytopenic Purpura. *N Engl J Med* 2016;374(6):511-522

Pinho MP, Sundarasetty BS, Bergami-Santos PC, Steponavicius-Cruz K, Ferreira AK, Stripecke R, Barbuto JA. Dendritic-tumor cell hybrids induce tumor-specific immune responses more effectively than the simple mixture of dendritic and tumor cells. *Cytotherapy* 2016;18(4):570-580

Platzbecker U, Avvisati G, Cicconi L, Thiede C, Paoloni F, Vignetti M, Ferrara F, Divona M, Albano F, Efficace F, Fazi P, Sborgia M, Di Bona E, Breccia M, Borlenghi E, Cairoli R, Rambaldi A, Melillo L, La Nasa G, Fiedler W, Brossart P, Hertenstein B, Salih HR, Wattad M, Lübbert M, Brandts CH, Hänel M, Röllig C, Schmitz N, Link H, Frairia C, Pogliani EM, Fozza C, D'Arco AM, Di Renzo N, Cortelezzi A, Fabbiano F, Döhner K, Ganser A, Döhner H, Amadori S, Mandelli F, Ehninger G, Schlenk RF, Lo-Coco F. Improved Outcomes With Retinoic Acid and Arsenic Trioxide Compared With Retinoic Acid and Chemotherapy in Non-High-Risk Acute Promyelocytic Leukemia: Final Results of the Randomized Italian-German APL0406 Trial. *J Clin Oncol* 2017;35(6):605-612

Qiu J, Zhou B, Thol F, Zhou Y, Chen L, Shao C, DeBoever C, Hou J, Li H, Chaturvedi A, Ganser A, Bejar R, Zhang DE, Fu XD, Heuser M. Distinct splicing signatures affect converged pathways in myelodysplastic syndrome patients carrying mutations in different splicing regulators. *RNA* 2016;22(10):1535-1549

Rataj D, Werwitzke S, Haarmeijer B, Winkler M, Ramackers W, Petersen B, Niemann H, Wünsch A, Bähr A, Klymiuk N, Wolf E, Abicht JM, Ayares D, Tiede A. Inhibition of complement component C5 prevents clotting in an ex vivo model of xenogeneic activation of coagulation. *Xenotransplantation* 2016;23(2):117-127

Rausch L, Koenecke C, Koch HF, Kaltenborn A, Emmanouilidis N, Pape L, Lehner F, Arelin V, Baumann U, Schrem H. Matched-pair analysis: identification of factors with independent influence on the development of PTLD after kidney or liver transplantation. *Transplant Res* 2016;5:6

Ringden O, Labopin M, Schmid C, Sadeghi B, Polge E, Tischer J, Ganser A, Michallet M, Kanz L, Schwerdtfeger R, Nagler A, Mohty M, Acute Leukaemia Working Party of the EBMT. Sequential chemotherapy followed by reduced-intensity conditioning and allogeneic haematopoietic stem cell transplantation in adult patients with relapse or refractory acute myeloid leukaemia: a survey from the Acute Leukaemia Working Party of EBMT. *Br J Haematol* 2016;DOI: 10.1111/bjh.14428

Rini BI, Tomita Y, Melichar B, Ueda T, Grünwald V, Fishman MN, Uemura H, Oya M, Bair AH, Andrews GI, Rosbrook B, Jonasch E. Overall Survival Analysis From a Randomized Phase II Study of Axitinib With or Without Dose Titration in First-Line Metastatic Renal Cell Carcinoma. *Clin Genitourin Cancer* 2016;14(6):499-503

Robinson SP, Boumendil A, Finel H, Schouten H, Ehninger G, Maertens J, Crawley C, Rambaldi A, Russell N, Anders W, Blaise D, Yakoub-Agha I, Ganser A, Castagna L, Volin L, Cahn JY, Montoto S, Dreger P. Reduced intensity allogeneic stem cell transplantation for follicular lymphoma relapsing after an autologous transplant achieves durable long term disease control. An analysis from the Lymphoma Working Party Of the EBMT. *Ann Oncol* 2016;27(6):1088-1094

Rohermundt C, von Rappard J, Eisen T, Escudier B, Grünwald V, Larkin J, McDermott D, Oldenburg J, Porta C, Rini B, Schmidinger M, Sternberg CN, Putora PM. Second-line treatment for metastatic clear cell renal cell cancer: experts' consensus algorithms. *World J Urol* 2017;35(4):641-648

Rubio MT, Savani BN, Labopin M, Polge E, Niederwieser D, Ganser A, Schwerdtfeger R, Ehninger G, Finke J, Renate A, Craddock C, Kröger N, Hallek M, Jindra P, Mohty M, Nagler A. The impact of HLA-matching on reduced intensity conditioning regimen unrelated donor allogeneic stem cell transplantation for acute myeloid leukemia in patients above 50 years-a report from the EBMT acute leukemia working party. *J Hematol Oncol* 2016;9(1):65

Ruggeri A, Battipaglia G, Labopin M, Ehninger G, Beelen D, Tischer J, Ganser A, Schwerdtfeger R, Glass B, Finke J, Michallet M, Stelljes M, Jindra P, Arnold R, Kroger N, Mohty M, Nagler A. Unrelated donor versus matched sibling donor in adults with acute myeloid leukemia in first relapse: an ALWP-EBMT study. *J Hematol Oncol* 2016;9(1):89

Rummel M, Kaiser U, Balser C, Stauch M, Brugger W, Welslau M, Niederle N, Losem C, Boeck HP, Weidmann E, von Gruenhagen U, Mueller L, Sandherr M, Hahn L, Vereshchagina J, Kauff F, Blau W, Hinke A, Barth J, Study Group Indolent Lymphomas. Bendamustine plus rituximab versus fludarabine plus rituximab for patients with relapsed indolent and mantle-cell lymphomas: a multicentre, randomised, open-label, non-inferiority phase 3 trial. Lancet Oncol 2016;17(1):57-66

Scheffold A, Jebara BM, Jaramillo S, Tausch E, Steinbrecher D, Hahn M, Böttcher S, Ritgen M, Bunjes D, Zeis M, Stadler M, Uharek L, Scheid C, Hegenbart U, Hallek M, Kneba M, Schmitz N, Döhner H, Dreger P, Stilgenbauer S. Impact of telomere length on the outcome of allogeneic stem cell transplantation for poor-risk chronic lymphocytic leukaemia: results from the GCLLSG CLL3X trial. Br J Haematol 2016;DOI: 10.1111/bjh.14219

Schlenk RF, Lübbert M, Benner A, Lamparter A, Krauter J, Herr W, Martin H, Salih HR, Kundgen A, Horst HA, Brossart P, Götze K, Nanchbaur D, Wattad M, Köhne CH, Fiedler W, Bentz M, Wulf G, Held G, Hertenstein B, Salvender H, Gaidzik VI, Schlegelberger B, Weber D, Döhner K, Ganser A, Döhner H, German-Austrian Acute Myeloid Leukemia Study Group. All-trans retinoic acid as adjunct to intensive treatment in younger adult patients with acute myeloid leukemia: results of the randomized AMLSG 07-04 study. Ann Hematol 2016;95(12):1931-1942

Schmitt T, Mayer-Steinacker R, Mayer F, Grünwald V, Schütte J, Hartmann JT, Kasper B, Hüsing J, Hajda J, Ottawa G, Mechtersheimer G, Mikus G, Burhenne J, Lehmann L, Heilig CE, Ho AD, Egerer G. Vorinostat in refractory soft tissue sarcomas - Results of a multi-centre phase II trial of the German Soft Tissue Sarcoma and Bone Tumour Working Group (AIO) Eur J Cancer 2016;64:74-82

Schneider E, Staffas A, Röhner L, Krowiorz K, Heuser M, Döhner K, Bullinger L, Döhner H, Fogelstrand L, Rouhi A, Kuchenbauer F, Palmqvist L. MicroRNA-155 is upregulated in MLL-rearranged AML but its absence does not affect leukemia development. Exp Hematol 2016;44(12):1166-1171

Seidel C, Oechsle K, Lorch A, Dieing A, Henrich M, Hornig M, Grünwald V, Cathomas R, Meiler J, de Wit M, Bokemeyer C. Efficacy and safety of gemcitabine, oxaliplatin, and paclitaxel in cisplatin-refractory germ cell cancer in routine care--Registry data from an outcomes research project of the German Testicular Cancer Study Group Urol Oncol 2016;34(4):167.e21-167.e28

Serpa Neto A, Schmidt M, Azevedo LC, Bein T, Brochard L, Beutel G, Combes A, Costa EL, Hodgson C, Lindskov C, Lubnow M, Lueck C, Michaels AJ, Paiva JA, Park M, Pesenti A, Pham T, Quintel M, Marco Ranieri V, Ried M, Roncon-Albuquerque R,Jr, Slutsky AS, Takeda S, Terragni PP, Vejen M, Weber-Carstens S, Welte T, Gama de Abreu M, Pelosi P, Schultz MJ, ReVA Research Network and the PROVE Network Investigators. Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis : Mechanical ventilation during ECMO. Intensive Care Med 2016;42(11):1672-1684

Sharma A, Jyotsana N, Lai CK, Chaturvedi A, Gabdoulline R, Görlich K, Murphy C, Blanchard JE, Ganser A, Brown E, Hassell JA, Humphries RK, Morgan M, Heuser M. Pyrimethamine as a Potent and Selective Inhibitor of Acute Myeloid Leukemia Identified by High-throughput Drug Screening Curr Cancer Drug Targets 2016;16(9):818-828

Shimoni A, Labopin M, Savani B, Volin L, Ehninger G, Kuball J, Bunjes D, Schaap N, Vigouroux S, Bacigalupo A, Veelken H, Sierra J, Eder M, Niederwieser D, Mohty M, Nagler A. Long-term survival and late events after allogeneic stem cell transplantation from HLA-matched siblings for acute myeloid leukemia with myeloablative compared to reduced-intensity conditioning: a report on behalf of the acute leukemia working party of European group for blood and marrow transplantation J Hematol Oncol 2016;9(1):118

Skuljec J, Cabanski M, Surdzic E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. Eur J Immunol 2016;46(7):1656-1668

Stapel B, Kohlhaas M, Ricke-Hoch M, Haghikia A, Erschow S, Knuuti J, Silvola JM, Roivainen A, Saraste A, Nickel AG, Saar JA, Sieve I, Pietzsch S, Müller M, Bogeski I, Kappl R, Jauhainen M, Thackeray JT, Scherr M, Bengel FM, Hagl C, Tudorache I, Bauersachs J, Maack C, Hilfiker-Kleiner D. Low STAT3 expression sensitizes to toxic effects of beta-adrenergic receptor stimulation in peripartum cardiomyopathy. Eur Heart J 2016;DOI: 10.1093/euroheartj/ehw086

Stapel B, Kotsiari A, Scherr M, Hilfiker-Kleiner D, Bleich S, Frieling H, Kahl KG. Olanzapine and aripiprazole differentially affect glucose uptake and energy metabolism in human mononuclear blood cells. J Psychiatr Res 2016;88:18-27

Stripecke R. Leukemias and bones: humanizing the niche in mice. Blood 2016;128(25):2874-2875

Theis F, Corbacioglu A, Gaidzik VI, Paschka P, Weber D, Bullinger L, Heuser M, Ganser A, Thol F, Schlegelberger B, Göhring G, Köhne CH, Germing U, Brossart P, Horst HA, Haase D, Götze K, Ringhoffer M, Fiedler W, Nachbaur D, Kindler T, Held G, Lübbert M, Wattad M, Salih HR, Krauter J, Döhner H, Schlenk RF, Döhner K. Clinical impact of GATA2 mutations in acute myeloid leukemia patients harboring CEBPA mutations: a study of the AML study group. Leukemia 2016;30(11):2248-2250

Thol F, Klesse S, Köhler L, Gabdoulline R, Kloos A, Liebich A, Wichmann M, Chaturvedi A, Fabisch J, Gaidzik VI, Paschka P, Bullinger L, Bug G, Serve H, Göhring G, Schlegelberger B, Lubbert M, Kirchner H, Wattad M, Kraemer D, Hertenstein B, Heil G, Fiedler W, Krauter J, Schlenk RF, Döhner K, Döhner H, Ganser A, Heuser M. Acute myeloid leukemia derived from lympho-myeloid clonal hematopoiesis. Leukemia 2017;DOI: 10.1038/leu.2016.345

Tiede A, Hofbauer CJ, Werwitzke S, Knöbl P, Gottstein S, Scharf RE, Heinz J, Gross J, Holstein K, Dobbelstein C, Scheiflinger F, Koch A, Reipert BM. Anti-factor VIII IgA as a potential marker of poor prognosis in acquired hemophilia A: results from the GTH-AH 01/2010 study. Blood 2016;127(19):2289-2297

Tomić A, Varanasi PR, Golemac M, Malić S, Riese P, Borst EM, Mischak-Weissinger E, Guzmán CA, Krmpotić A, Jonjić S, Messerle M. Activation of Innate and Adaptive Immunity by a Recombinant Human Cytomegalovirus Strain Expressing an NKG2D Ligand PLoS Pathog 2016;12(12):e1006015

Varghese J, Holz C, Neuhaus P, Bernardi M, Boehm A, Ganser A, Gore S, Heaney M, Hochhaus A, Hofmann WK, Krug U, Müller-Tidow C, Smith A, Weltermann A, de Witte T, Hehlmann R, Dugas M. Key Data Elements in Myeloid Leukemia. Stud Health Technol Inform 2016;228:282-286

Velaga S, Alter C, Dringenberg U, Thiesler CT, Kuhs S, Olek S, Ukena SN, Franzke A. Clinical-grade regulatory T cells: Comparative analysis of large-scale expansion conditions. Exp Hematol 2017;45:27-35.e1

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stripecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup>/H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. J Cell Physiol 2017;232(7):1669-1680

Weissinger EM, Human C, Metzger J, Hambach L, Wolf D, Greinix HT, Dickinson AM, Mullen W, Jonigk D, Kuzmina Z, Kreipe H, Schweier P, Böhm O, Türüchanow I, Ihlenburg-Schwarz D, Raad J, Durban A, Schiemann M, Könecke C, Diedrich H, Holler E, Beutel G, Krauter J, Ganser A, Stadler M. The proteome pattern cGvHD\_MS14 allows early and accurate prediction of chronic GvHD after allogeneic stem cell transplantation Leukemia 2017;31(3):654-662

Werbitzke S, Geisen U, Nowak-Gottl U, Eichler H, Stephan B, Scholz U, Holstein K, Klamroth R, Knobl P, Huth-Kuhne A, Bomke B, Tiede A. Diagnostic and prognostic value of factor VIII binding antibodies in acquired hemophilia A: data from the GTH-AH 01/2010 study. J Thromb Haemost 2016;14(5):940-947

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing Eur J Immunol 2016;46(6):1415-1426

## Übersichtsarbeiten

Appelmann I, Kreher S, Parmentier S, Wolf HH, Bisping G, Kirschner M, Bergmann F, Schilling K, Brümmendorf TH, Petrides PE, Tiede A, Matzdorff A, Grieshammer M, Riess H, Koschmieder S. Diagnosis, prevention, and management of bleeding episodes in Philadelphia-negative myeloproliferative neoplasms: recommendations by the Hemostasis Working Party of the German Society of Hematology and Medical Oncology (DGHO) and the Society of Thrombosis and Hemostasis Research (GTH) Ann Hematol 2016;95(5):707-718

Eigentler TK, Hassel JC, Berking C, Aberle J, Bachmann O, Grünwald V, Kähler KC, Loquai C, Reinmuth N, Steins M, Zimmer L, Sendl A, Gutzmer R. Diagnosis, monitoring and management of immune-related adverse drug reactions of anti-PD-1 antibody therapy. Cancer Treat Rev 2016;45:7-18

Erlmeier F, Weichert W, Autenrieth M, Ivanyi P, Hartmann A, Steffens S. c-Met Onkogen bei Nierenzellkarzinomen. Aktuelle Urol 2016;47(6):475-479

Ganser A, Heuser M. Therapy-related myeloid neoplasms. Curr Opin Hematol 2017;24(2):152-158

Juric MK, Ghimire S, Ogonek J, Weissinger EM, Holler E, van Rood JJ, Oudshoorn M, Dickinson A, Greinix HT. Milestones of Hematopoietic Stem Cell Transplantation - From First Human Studies to Current Developments. Front Immunol 2016;7:470

Ogonek J, Kralj Juric M, Ghimire S, Varanasi PR, Holler E, Greinix H, Weissinger E. Immune Reconstitution after Allogeneic Hematopoietic Stem Cell Transplantation. Front Immunol 2016;7:507

Reis M, Ogonek J, Qesari M, Borges NM, Nicholson L, Preussner L, Dickinson AM, Wang XN, Weissinger EM, Richter A. Recent Developments in Cellular Immunotherapy for HSCT-Associated Complications. Front Immunol 2016;7:500

Schellongowski P, Beutel G, Kochanek M, Kiehl MG. Intensivmedizinische Aspekte bei hämatologischen und onkologischen Erkrankungen. Intensivmed update 2016;12(03):267-285

Schellongowski P, Kiehl M, Kochanek M, Staudinger T, Beutel G, Intensive Care in Hematologic-Oncologic Patients (iCHOP). Intensive care for cancer patients: An interdisciplinary challenge for cancer specialists and intensive care physicians Memo 2016;9:39-44

Stripecke R, Gouttefangeas C, Förster I. 1st EMBL/DFG Women in Science Network Conference Heidelberg 2016: From Genes, Cells and the Immune System towards Therapies - Meeting Report. Eur J Immunol 2016;46(11):2492-2495

#### **Letter**

Lentz SR, Cerqueira M, Janic D, Kempton C, Matytsina I, Misgav M, Oldenburg J, Ozelo M, Recht M, Rosholm A, Savic A, Suzuki T, Tiede A, Santagostino E. Interim results from a large multinational extension trial (guardian) 2 using turoctocog alfa for prophylaxis and treatment of bleeding in patients with severe haemophilia A. Haemophilia 2016;22(5):e445-9

Madan V, Shyamsunder P, Han L, Mayakonda A, Nagata Y, Sundaresan J, Kanoja D, Yoshida K, Ganesan S, Hattori N, Fulton N, Tan KT, Alpermann T, Kuo MC, Rostami S, Matthews J, Sanada M, Liu LZ, Shiraishi Y, Miyano S, Chendamarai E, Hou HA, Malnassy G, Ma T, Garg M, Ding LW, Sun QY, Chien W, Ikezoe T, Lill M, Biondi A, Larson RA, Powell BL, Lubbert M, Chng WJ, Tien HF, Heuser M, Ganser A, Koren-Michowitz M, Kornblau SM, Kantarjian HM, Nowak D, Hofmann WK, Yang H, Stock W, Ghavamzadeh A, Alimoghaddam K, Haf-erlach T, Ogawa S, Shih LY, Mathews V, Koeffler HP. Comprehensive mutational analysis of primary and relapse acute promyelocytic leukemia. Leukemia 2016;30(12):2430

#### **Case reports**

Balzer MS, Eggers H, Heuser M, Reising A, Bertram A. Oxaliplatin pharmacokinetics on hemodialysis in a patient with diffuse large B cell lymphoma Ann Hematol 2016;95(4):649-650

Feistritzer C, Wildner SM, Würtinger P, Nachbaur D, Tiede A, Steurer M. Successful immune tolerance induction using turoctocog alfa in an adult haemophilia A patient. Blood Coagul Fibrinolysis 2016;DOI: 10.1097/MBC.0000000000000547

Grünwald V, Länger F, Raatschen HJ, Beilken A. Proof of principle for bevacizumab activity in desmoid-type fibromatosis. Clin Sarcoma Res 2016;6:5

Lueck C, Kuehn C, Hoeper MM, Ganser A, Eder M, Beutel G. Successful use of extracorporeal membrane oxygenation during induction chemotherapy in a patient with mediastinal tumor mass of a T lymphoblastic lymphoma. Ann Hematol 2016;95(10):1719-1721

#### **Habilitationen**

Trummer, Arne Rainer (PD Dr. med.): Extrazelluläre Mikrovesikel Midiatoren zwischen Hämostase- und Immunsystem und ihre Rolle in der Stammzell- und Organtransplantation  
MHH-Signatur: D 80192

#### **Promotionen**

Araujo Cruz, Michelle Maria (PhD MRes Molecular Medicine): Functional characterisation of mutant isocitrate dehydrogenase in acute myeloid leukemia  
MHH-Signatur: D 80195

Aydilek, Erdem (Dr. med.): Identifizierung und Charakterisierung von R-Ras-Mutationen in myeloischen Leukämiezellen  
MHH-Signatur: D 80373

Beese, Karoline (Dr. med.): Identifizierung neuer genetischer Marker und ihre prognostische Bedeutung single Nucleotide Polymorphismen im Wilms Tumor 1 Gen bei Akuter myeloischer Leukämie  
MHH-Signatur: D 80391

Bollin, Robin Lucas Darius (Dr. med.): Mutationen in STAG1 und STAG2 bei Patienten mit akuter myeloischer Leukämie und ihre prognostische Bedeutung  
MHH-Signatur: D 80497

Dobbernack, Vera (Dr. med.): Inzidenz und prognostische Bedeutung von Mutationen in den Splicinggenen SRSF2, U2AF1 und SF3B1 in myelodysplastischen Syndromen nach allogener Stammzelltransplantation  
MHH-Signatur: D 80670

Hamwi, Iyas (Dr. med.): Differenzierung von AML-Zellen und deren Expressionsanalyse hinsichtlich langer nicht-kodierender RNA  
MHH-Signatur: D 80351

Huang, Kezhi (Dr. rer. nat.): Remarkable leukemogenic potency of the novel FLT3-N676K mutant  
MHH-Signatur: D 80475

Kirchner, Aylin Sarah (Dr. med.): Häufigkeit und klinische Bedeutung von Mutationen in den microRNAs miR-142, miR-632, miR-516B1 und miR-891A bei Patienten mit Myelodysplastischen Syndromen und Akuter Myeloischer Leukämie  
MHH-Signatur: D 80392

Monje, Freya (Dr. med.): Untersuchung strahleninduzierter Änderungen der microRNA-Expression an HL-60-Zellen  
MHH-Signatur: D 80481

Rataj, Dennis (Dr. rer. nat. M.Sc. Biomedicine): Coagulation Disorders in Xenotransplantation  
MHH-Signatur: D 80184

## Institut Experimentelle Hämatologie – 6960

### Originalpublikationen

Börger AK, Eicke D, Wolf C, Gras C, Aufderbeck S, Schulze K, Engels L, Eiz-Vesper B, Schambach A, Guzman CA, Lachmann N, Moritz T, Martin U, Blasczyk R, Figueiredo C. Generation of HLA-universal iPSCs-derived megakaryocytes and platelets for survival under refractoriness conditions. Mol Med 2016;22:DOI:10.2119/molmed.2015.00235

Brendel C, Guda S, Renella R, Bauer DE, Canver MC, Kim YJ, Heaney MM, Klatt D, Fogel J, Milsom MD, Orkin SH, Gregory RI, Williams DA. Lineage-specific BCL11A knockdown circumvents toxicities and reverses sickle phenotype J Clin Invest 2016;126(10):3868-3878

Büning H, Hacker UT. Inhibitors of Angiogenesis Adv Exp Med Biol 2016;917:261-285

Chamorro C, Mencía A, Almarza D, Duarte B, Büning H, Sallach J, Hausser I, Del Río M, Larcher F, Murillas R. Gene Editing for the Efficient Correction of a Recurrent COL7A1 Mutation in Recessive Dystrophic Epidermolysis Bullosa Keratinocytes Mol Ther Nucleic Acids 2016;5:e307

Chaturvedi A, Araujo Cruz MM, Jyotsana N, Sharma A, Goparaju R, Schwarzer A, Görlich K, Schottmann R, Struys EA, Jansen EE, Rohde C, Müller-Tidow C, Geffers R, Göhring G, Ganser A, Thol F, Heuser M. Enantiomer-specific and paracrine leukemogenicity of mutant IDH metabolite 2-hydroxyglutarate Leukemia 2016;30(8):1708-1715

Cocchiarella F, Latella MC, Basile V, Miselli F, Galla M, Imbriano C, Recchia A. Transcriptionally regulated and nontoxic delivery of the hyperactive Sleeping Beauty Transposase Mol Ther Methods Clin Dev 2016;3:16038

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wähner A, Beh-Pajoh A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. Sci Rep 2016;6:38198

Garcia-Gomez M, Calabria A, Garcia-Bravo M, Benedicenti F, Kosinski P, López-Manzaneda S, Hill C, Del Mar Mañu-Pereira M, Martín MA, Orman I, Vives-Corrons JL, Kung C, Schambach A, Jin S, Bueren JA, Montini E, Navarro S, Segovia JC. Safe and Efficient Gene Therapy for Pyruvate Kinase Deficiency Mol Ther 2016;24(7):1187-1198

Hacker UT, Escalona-Espinosa L, Consalvo N, Goede V, Schiffmann L, Scherer SJ, Hedge P, Van Cutsem E, Coutelle O, Büning H. Evaluation of Angiopoietin-2 as a biomarker in gastric cancer: results from the randomised phase III AVAGAST trial Br J Cancer 2016;114(8):855-862

Halle S, Keyser KA, Stahl FR, Busche A, Marquardt A, Zheng X, Galla M, Heissmeyer V, Heller K, Boelter J, Wagner K, Bischoff Y, Martens R, Braun A, Werth K, Uvarovskii A, Kempf H, Meyer-Hermann M, Arens R, Kremer M, Sutter G, Messerle M, Förster R. In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity Immunity 2016;44(2):233-245

Hartmann D, Fiedler J, Sonnenschein K, Just A, Pfanne A, Zimmer K, Remke J, Foinquinos A, Butzlaff M, Schimmel K, Maegdefessel L, Hilfiker-Kleiner D, Lachmann N, Schober A, Froese N, Heineke J, Bauersachs J, Batkai S, Thum T. MicroRNA-based Therapy of Gata2-deficient Vascular Disease. Circulation 2016;134(24):1973-1990

Hoepfner J, Kleinsorge M, Papp O, Ackermann M, Alfkne J, Rinas U, Solodenko W, Kirschning A, Sgodda M, Cantz T. Biphasic modulation of Wnt signaling supports efficient foregut endoderm formation from human pluripotent stem cells Cell Biol Int 2016;40(5):534-548

Huang J, Liu Y, Au BC, Barber DL, Arruda A, Schambach A, Rothe M, Minden MD, Paige CJ, Medin JA. Preclinical validation: LV/IL-12 transduction of patient leukemia cells for immunotherapy of AML. *Mol Ther Methods Clin Dev* 2016;3:16074

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. *Mol Ther* 2016;24(7):1216-1226

Ivanyi P, Beutel G, Drewes N, Pirr J, Kielstein JT, Morgan M, Ganser A, Grünwald V. Therapy of Treatment-Related Hypertension in Metastatic Renal-Cell Cancer Patients Receiving Sunitinib. *Clin Genitourin Cancer* 2017;15(2):280-290.e3

Kallendrusch S, Schopow N, Stadler SC, Büning H, Hacker UT. Adeno-Associated Viral Vectors Transduce Mature Human Adipocytes in Three-Dimensional Slice Cultures. *Hum Gene Ther Methods* 2016;27(5):171-173

Karpinski J, Hauber I, Chemnitz J, Schäfer C, Paszkowski-Rogacz M, Chakraborty D, Beschorner N, Hofmann-Sieber H, Lange UC, Grundhoff A, Hackmann K, Schrock E, Abi-Ghanem J, Pisabarro MT, Surendranath V, Schambach A, Lindner C, van Lunzen J, Hauber J, Buchholz F. Directed evolution of a recombinase that excises the provirus of most HIV-1 primary isolates with high specificity. *Nat Biotechnol* 2016;34(4):401-409

Krowiorz K, Ruschmann J, Lai C, Ngom M, Maetzig T, Martins V, Scheffold A, Schneider E, Pochert N, Miller C, Palmqvist L, Staffas A, Mulaw M, Bohl SR, Buske C, Heuser M, Kraus J, O'Neill K, Hansen CL, Petriv OI, Kestler H, Döhner H, Bullinger L, Döhner K, Humphries RK, Rouhi A, Kuchenbauer F. MiR-139-5p is a potent tumor suppressor in adult acute myeloid leukemia. *Blood Cancer J* 2016;6(12):e508

Kuehn A, Kletting S, de Souza Carvalho-Wodarz C, Repnik U, Griffiths G, Fischer U, Meese E, Huwer H, Wirth D, May T, Schneider-Daum N, Lehr CM. Human alveolar epithelial cells expressing tight junctions to model the air-blood barrier. *ALTEX* 2016;33(3):251-260

Labenski V, Suerth JD, Barczak E, Heckl D, Levy C, Bernadin O, Charpentier E, Williams DA, Fehse B, Verhoeven E, Schambach A. Alpharetroviral self-inactivating vectors produced by a superinfection-resistant stable packaging cell line allow genetic modification of primary human T lymphocytes. *Biomaterials* 2016;37:97-109

Lipps C, Badar M, Butueva M, Dubich T, Singh VV, Rau S, Weber A, Kracht M, Köster M, May T, Schulz TF, Hauser H, Wirth D. Proliferation status defines functional properties of endothelial cells. *Cell Mol Life Sci* 2017;74(7):1319-1333

Maetzig T, Schambach A. Development of Inducible Molecular Switches Based on All-in-One Lentiviral Vectors Equipped with Drug Controlled FLP Recombinase. *Methods Mol Biol* 2016;1448:23-39

Manukyan G, Ripperger T, Venturini L, Stadler M, Göhring G, Schambach A, Schlegelberger B, Steinemann D. GABP is necessary for stem/progenitor cell maintenance and myeloid differentiation in human hematopoiesis and chronic myeloid leukemia. *Stem Cell Res* 2016;16(3):677-681

Mucci A, Kunkiel J, Suzuki T, Brennig S, Glage S, Kühnel MP, Ackermann M, Happel C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N. Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency. *Stem Cell Reports* 2016;7(2):292-305

Noyan F, Zimmermann K, Hardtke-Wolenski M, Knoefel A, Schulde E, Geffers R, Hust M, Huehn J, Galla M, Morgan M, Jokuszies A, Manns MP, Jaeckel E. Prevention of allograft rejection by use of regulatory T cells with a MHC-specific chimeric antigen receptor. *Am J Transplant* 2017;17(4):917-930

Punwani D, Kawahara M, Yu J, Sanford U, Roy S, Patel K, Carbonaro DA, Karlen AD, Khan S, Cornetta KG, Rothe M, Schambach A, Kohn DB, Malech HL, McIvor RS, Puck JM, Cowan MJ. Lentivirus Mediated Correction of Artemis-deficient Severe Combined Immunodeficiency. *Hum Gene Ther* 2017;28(1):112-124

Salari A, Thomay K, Himmeler K, Vajen B, Schienke A, Hagedorn M, Ebersold J, Kreipe HH, Krüger A, Schambach A, Schlegelberger B, Göhring G. Establishing a murine xenograft-model for long-term analysis of factors inducing chromosomal instability in myelodysplastic syndrome: Pitfalls and successes. *Cancer Genet* 2016;209(6):258-266

Schambach A, Morgan M. Retroviral Vectors for Cancer Gene Therapy. *Recent Results Cancer Res* 2016;209:17-35

Schmidt M, Gil-Farina I, Büning H. Reply to "Wild-type AAV Insertions in Hepatocellular Carcinoma Do Not Inform Debate Over Genotoxicity Risk of Vectorized AAV". *Mol Ther* 2016;24(4):661-662

Schnödt M, Schmeer M, Kracher B, Krüsemann C, Espinosa LE, Grünert A, Fuchssluger T, Rischmüller A, Schleef M, Büning H. DNA Minicircle Technology Improves Purity of Adeno-associated Viral Vector Preparations Mol Ther Nucleic Acids 2016;5:e355

Selich A, Daudert J, Hass R, Philipp F, von Kaisenberg C, Paul G, Cornils K, Fehse B, Rittinghausen S, Schambach A, Rothe M. Massive Clonal Selection and Transiently Contributing Clones During Expansion of Mesenchymal Stem Cell Cultures Revealed by Lentiviral RGB-Barcode Technology. Stem Cells Transl Med 2016;5(5):591-601

Sharma A, Jyotsana N, Lai CK, Chaturvedi A, Gabdoulline R, Görlich K, Murphy C, Blanchard JE, Ganser A, Brown E, Hassell JA, Humphries RK, Morgan M, Heuser M. Pyrimethamine as a Potent and Selective Inhibitor of Acute Myeloid Leukemia Identified by High-throughput Drug Screening Curr Cancer Drug Targets 2016;16(9):818-828

Skuljec J, Cabanski M, Surdziel E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. Eur J Immunol 2016;46(7):1656-1668

Song G, Pacher M, Balakrishnan A, Yuan Q, Tsay HC, Yang D, Reetz J, Brandes S, Dai Z, Putzer BM, Arauzo-Bravo MJ, Steinemann D, Luedde T, Schwabe RF, Manns MP, Schöler HR, Schambach A, Cantz T, Ott M, Sharma AD. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. Cell Stem Cell 2016;18(6):797-808

Spencer S, Gugliotta A, Gödecke N, Hauser H, Wirth D. Epigenetic modulations rendering cell-to-cell variability and phenotypic metastability. J Genet Genomics 2016;43(8):503-511

Stahlhut M, Ha TC, Morgan M, Schambach A, Kustikova OS. Comparison of tetracycline-regulated promoters in lentiviral-based vectors in murine transplantation studies. Curr Gene Ther 2016;DOI: 10.2174/156652321666161013125215

Stahlhut M, Schambach A, Kustikova OS. Transduction of Murine Hematopoietic Stem Cells with Tetracycline-regulated Lentiviral Vectors. Methods Mol Biol 2016;1448:65-76

Thiesler CT, Cajic S, Hoffmann D, Thiel C, van Diepen L, Hennig R, Sgodda M, Weissmann R, Reichl U, Steinemann D, Diekmann U, Huber NM, Oberbeck A, Cantz T, Kuss AW, Korner C, Schambach A, Rapp E, Buettner FF. Glycomic characterization of induced pluripotent stem cells derived from a patient suffering from phosphomannomutase 2 congenital disorder of glycosylation Mol Cell Proteomics 2016;15(4):1435-1452

Tran DD, Koch A, Saran S, Armbrecht M, Ewald F, Koch M, Wahlicht T, Wirth D, Braun A, Nashan B, Gaestel M, Tamura T. Extracellular-signal regulated kinase (Erk1/2), mitogen-activated protein kinase-activated protein kinase 2 (MK2) and tristetraprolin (TTP) comprehensively regulate injury-induced immediate early gene (IEG) response in in vitro liver organ culture. Cell Signal 2016;28(5):438-447

Viereck J, Kumarswamy R, Foinquinos A, Xiao K, Avramopoulos P, Kunz M, Dittrich M, Maetzig T, Zimmer K, Remke J, Just A, Fendrich J, Scherf K, Bolesani E, Schambach A, Weidemann F, Zweigerdt R, de Windt LJ, Engelhardt S, Dandekar T, Batkai S, Thum T. Long noncoding RNA Chast promotes cardiac remodeling Sci Transl Med 2016;8(326):326ra22

## Übersichtsarbeiten

Lopez-Rodriguez E, Gay-Jordi G, Mucci A, Lachmann N, Serrano-Mollar A. Lung surfactant metabolism: early in life, early in disease and target in cell therapy Cell Tissue Res 2017;367(3):721-735

Papapetrou EP, Schambach A. Gene Insertion Into Genomic Safe Harbors for Human Gene Therapy Mol Ther 2016;24(4):678-684

Schott JW, Morgan M, Galla M, Schambach A. Viral and Synthetic RNA Vector Technologies and Applications. Mol Ther 2016;24(9):1513-1527

## Abstracts

Schubert M, Merkert S, Haase A, Engels L, Haller R, Lachmann N, Moritz T, de la Roche J, Tümmeler B, Galietta L, Martin U. Generation of disease-specific iPSCs and development of transgenic reporter cell lines for cystic fibrosis disease modelling and drug screening. 10th European CF Young Investigators Meeting, 10.-12.Februar 2016, Paris

## Habilitationen

Lachmann, Nico (PD Dr. rer. nat. M.Sc.): Pluripotent- and multipotent-stem cell derived hematopoietic cells and their use for regenerative therapies

MHH-Signatur: D 80197

## Promotionen

Liebhaber, Steffi (Dr. rer. nat. Dipl.Biol): The role of microRNAs during reprogramming and in vitro hematopoietic differentiation of pluripotent stem cells  
MHH-Signatur: D 80507

Mucci, Adele (Dr. rer. nat.): Induced pluripotent stem cell (iPSC)-based gene therapy of CSF2R $\beta$ c-deficient pulmonary alveolar proteinosis in a murine disease model  
MHH-Signatur: D 80513

## Masterarbeiten

Dahlke, Julia (M.Sc.): Modification of natural killer cells for cancer immunotherapy

Franke, Ann-Christin (M.Sc.): Control of doxycycline-inducible oncogene expression

## Klinik für Kardiologie und Angiologie – 6880

### Originalpublikationen

Akin M, Skripuletz T, Napp LC, Berliner D, Akin I, Haghikia A, Akin E, Bauersachs J. Proprotein Convertase Subtilisin/Kexin type 9 (PCSK9): Impact of PCSK9 on Major Adverse Cardiac and Cerebrovascular Events. *Cardiovasc Hematol Agents Med Chem* 2017;25(5):1576-1582

Al-Samir S, Wang Y, Meissner JD, Gros G, Endeward V. Cardiac Morphology and Function, and Blood Gas Transport in Aquaporin-1 Knockout Mice. *Front Physiol* 2016;7:181

Angermann CE, Gelbrich G, Störk S, Gunold H, Edelmann F, Wachter R, Schunkert H, Graf T, Kindermann I, Haass M, Blankenberg S, Pankweit S, Prettin C, Gottwik M, Böhm M, Faller H, Deckert J, Ertl G, MOOD-HF Study Investigators and Committee Members. Effect of Escitalopram on All-Cause Mortality and Hospitalization in Patients With Heart Failure and Depression: The MOOD-HF Randomized Clinical Trial *JAMA* 2016;315(24):2683-2693

Appari M, Breitbart A, Brandes F, Szaroszyk M, Froese N, Korf-Klingebiel M, Malek Mohammadi M, Grund A, Scharf GM, Wang H, Zwadlo C, Fraccarollo D, Schrameck U, Nemer M, Wong W, Katus HA, Wollert KC, Müller OJ, Bauersachs J, Heineke J. C1q-TNF-Related Protein-9 Promotes Cardiac Hypertrophy and Failure. *Circ Res* 2017;120(1):66-77

Asgar A, Chandrasekhar J, Mikhail G, Webb J, Lefèvre T, Tamburino C, Hildick-Smith D, Hambrecht R, Van Belle E, Widder J, Dumonteil N, Hink U, Jeger R, Linke A, Deliargyris E, Gao P, Mehran R, Hengstenberg C, Anthopoulos P, Dangas G, BRAVO-3 Investigators. Sex-based differences in outcomes with bivalirudin or unfractionated heparin for transcatheter aortic valve replacement: Results from the BRAVO-3 randomized trial *Catheter Cardiovasc Interv* 2017;89(1):144-153

Barallobre-Barreiro J, Gupta SK, Zoccarato A, Kitazume-Taneike R, Fava M, Yin X, Werner T, Hirt MN, Zampetaki A, Viviano A, Chong M, Bern M, Kourliouros A, Domenech N, Willett P, Shah AM, Jahangiri M, Schaefer L, Fischer JW, Iozzo RV, Viner R, Thum T, Heineke J, Kichler A, Otsu K, Mayr M. Glycoproteomics Reveals Decorin Peptides With Anti-Myostatin Activity in Human Atrial Fibrillation Circulation 2016;134(11):817-832

Berrisch S, Ostermeyer J, Kaever V, Käble S, Hilfiker-Kleiner D, Seifert R, Schneider EH. cUMP hydrolysis by PDE3A. Naunyn Schmiedebergs Arch Pharmacol 2017;390(3):269-280

Böhm M, Drexler H, Oswald H, Rybak K, Bosch R, Butter C, Klein G, Gerritse B, Monteiro J, Israel C, Bimmel D, Kääb S, Huegl B, Brachmann J, OptiLink HF Study Investigators. Fluid status telemedicine alerts for heart failure: a randomized controlled trial. *Eur Heart J* 2016;37(41):3154-3163

Brenner S, Christa M, Berliner D, Deubner N, Ertl G, Held M, Marx A, Angermann CE, Störk S, Rutten FH, Güder G. Frequency and prognostic impact of mid-expiratory flow reduction in stable patients six months after hospitalisation for heart failure with reduced ejection fraction *Int J Cardiol* 2017;227:727-733

Calvier L, Legchenko E, Grimm L, Sallmon H, Hatch A, Plouffe BD, Schroeder C, Bauersachs J, Murthy SK, Hansmann G. Galectin-3 and aldosterone as potential tandem biomarkers in pulmonary arterial hypertension. *Heart* 2016;102(5):390-396

Caobelli F, Wollenweber T, Bavendiek U, Kühn C, Schütze C, Geworski L, Thackeray JT, Bauersachs J, Haverich A, Bengel FM. Simultaneous dual-isotope solid-state detector SPECT for improved tracking of white blood cells in suspected endocarditis *Eur Heart J* 2017;38(6):436-443

Daniel JM, Prock A, Dutzmann J, Sonnenschein K, Thum T, Bauersachs J, Sedding DG. Regulator of G-Protein Signaling 5 Prevents Smooth Muscle Cell Proliferation and Attenuates Neointima Formation. *Arterioscler Thromb Vasc Biol* 2016;36(2):317-327

Daniel JM, Reichel CA, Schmidt-Woell T, Dutzmann J, Zuchtriegel G, Krombach F, Herold J, Bauersachs J, Sedding DG, Kanse SM. Factor VII-activating protease deficiency promotes neointima formation by enhancing leukocyte accumulation *J Thromb Haemost* 2016;14(10):2058-2067

D'Ascenzo F, Iannaccone M, Giordana F, Chieffo A, Connor SO, Napp LC, Chandran S, de la Torre Hernandez JM, Chen SL, Varbella F, Omede P, Taha S, Meliga E, Kawamoto H, Montefusco A, Chong M, Garot P, Sin L, Gasparetto V, Abdirashid M, Cerrato E, Biondi-Zoccali G, Gaita F, Escaned J, Hiddick Smith D, Lefevre T, Colombo A, Sheiban I, Moretti C. Provisional vs. two-stent technique for unprotected left main coronary artery disease after ten years follow up: A propensity matched analysis. *Int J Cardiol* 2016;211:37-42

Diller GP, Körten MA, Bauer UM, Miera O, Tutarel O, Kaemmerer H, Berger F, Baumgartner H, German Competence Network for Congenital Heart Defects Investigators. Current therapy and outcome of Eisenmenger syndrome: data of the German National Register for congenital heart defects *Eur Heart J* 2016;37(18):1449-1455

Eggers KM, Kempf T, Larsson A, Lindahl B, Venge P, Wallentin L, Wollert KC, Lind L. Evaluation of Temporal Changes in Cardiovascular Biomarker Concentrations Improves Risk Prediction in an Elderly Population from the Community *Clin Chem* 2016;62(3):485-493

Engelings CC, Helm PC, Abdul-Khalil H, Asfour B, Bauer UM, Baumgartner H, Kececioglu D, Körten MA, Diller GP, Tutarel O. Cause of death in adults with congenital heart disease - An analysis of the German National Register for Congenital Heart Defects *Int J Cardiol* 2016;211:31-36

Flierl U, Röntgen P, Zauner F, Tongers J, Berliner D, Bauersachs J, Schäfer A. Platelet inhibition with prasugrel in patients with acute myocardial infarction undergoing therapeutic hypothermia after cardiopulmonary resuscitation. *Thromb Haemost* 2016;115(5):960-968

Flierl U, Zauner F, Sieweke JT, Berliner C, Napp LC, Tillmanns J, Bauersachs J, Schäfer A. Efficacy of prasugrel administration immediately after percutaneous coronary intervention in ST-elevation myocardial infarction. *Thromb Haemost* 2017;117(1):99-104

Gafoor S, Sievert H, Maisano F, Baldus S, Schaefer U, Hausleiter J, Butter C, Ussia GP, Geist V, Widder JD, Moccetti T, Schillinger W, Franzen O. Gender in the ACCESS-EU registry: a prospective, multicentre, non-randomised post-market approval study of MitraClip(R) therapy in Europe *EuroIntervention* 2016;12(2):e257-64

Gamrekelashvili J, Giagnorio R, Jussofie J, Soehnlein O, Duchene J, Briseño CG, Ramasamy SK, Krishnasamy K, Limbourg A, Kapanadze T, Ishifune C, Hinkel R, Radtke F, Strobl LJ, Zimber-Strobl U, Napp LC, Bauersachs J, Haller H, Yasutomo K, Kupatt C, Murphy KM, Adams RH, Weber C, Limbourg FP. Regulation of monocyte cell fate by blood vessels mediated by Notch signalling *Nat Commun* 2016;7:12597

Ghadri JR, Cammann VL, Jurisic S, Seifert B, Napp LC, Diekmann J, Bataiosu DR, D'Ascenzo F, Ding KJ, Sarcon A, Kazemian E, Birri T, Ruschitzka F, Lüscher TF, Templin C, InterTAK co-investigators. A novel clinical score (InterTAK Diagnostic Score) to differentiate takotsubo syndrome from acute coronary syndrome: results from the International Takotsubo Registry *Eur J Heart Fail* 2016;DOI: 10.1002/ejhf.683

Ghadri JR, Cammann VL, Napp LC, Jurisic S, Diekmann J, Bataiosu DR, Seifert B, Jaguszewski M, Sarcon A, Neumann CA, Geyer V, Prasad A, Bax JJ, Ruschitzka F, Lüscher TF, Templin C, International Takotsubo (InterTAK) Registry. Differences in the Clinical Profile and Outcomes of Typical and Atypical Takotsubo Syndrome: Data From the International Takotsubo Registry. *JAMA Cardiol* 2016;1(3):335-340

Ghadri JR, Sarcon A, Diekmann J, Bataiosu DR, Cammann VL, Jurisic S, Napp LC, Jaguszewski M, Scherff F, Brugger P, Jäncke L, Seifert B, Bax JJ, Ruschitzka F, Lüscher TF, Templin C, InterTAK Co-investigators:. Happy heart syndrome: role of positive emotional stress in takotsubo syndrome *Eur Heart J* 2016;37(37):2823-2829

Haddad S, Wang Y, Galy B, Korf-Klingebiel M, Hirsch V, Baru AM, Rostami F, Reboll MR, Heineke J, Flögel U, Groos S, Renner A, Toischer K, Zimmermann F, Engeli S, Jordan J, Bauersachs J, Hentze MW, Wollert KC, Kempf T. Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. *Eur Heart J* 2017;38(5):362-372

Haghikia A, Röntgen P, Vogel-Claussen J, Schwab J, Westenfeld R, Ehlermann P, Berliner D, Podewski E, Hilfiker-Kleiner D, Bauersachs J. Prognostic implication of right ventricular involvement in peripartum cardiomyopathy: a cardiovascular magnetic resonance study. *ESC Heart Fail* 2015;2(4):139-149

Haghikia A, Tongers J, Berliner D, König T, Schäfer A, Brehm M, Böhm M, Hilfiker-Kleiner D, Bauersachs J. Early ivabradine treatment in patients with acute peripartum cardiomyopathy: Subanalysis of the German PPCM registry. *Int J Cardiol* 2016;216:165-167

Hanff E, Lützow M, Kayacelebi AA, Finkel A, Maassen M, Yanchev GR, Haghikia A, Bavendiek U, Buck A, Lücke T, Maassen N, Tsikas D. Simultaneous GC-ECNICI-MS measurement of nitrite, nitrate and creatinine in human urine and plasma in clinical settings J Chromatogr B Analyt Technol Biomed Life Sci 2017;1047:207-214

Hanke JS, Rojas SV, Poyanmehr R, Deniz E, Avsar M, Berliner D, Shrestha M, Cebotari S, Haverich A, Schmitto JD. Left Ventricular Assist Device Implantation With Outflow Graft Tunneling Through the Transverse Sinus Artif Organs 2016;40(6):610-612

Hartmann D, Fiedler J, Sonnenschein K, Just A, Pfanne A, Zimmer K, Remke J, Foinquinos A, Butzlaaff M, Schimmel K, Maegdefessel L, Hilfiker-Kleiner D, Lachmann N, Schober A, Froese N, Heineke J, Bauersachs J, Batkai S, Thum T. MicroRNA-based Therapy of Gata2-deficient Vascular Disease. Circulation 2016;134(24):1973-1990

Helm PC, Sticker EJ, Keuchen R, Koerten MA, Diller GP, Tutarel O, Bauer UM. Is having a job a protective factor? Employment status and state of medical care as subjectively perceived by adults with CHD in Germany Cardiol Young 2016;1-8

Hilfiker-Kleiner D, Bauersachs J. Herzerkrankungen in der Schwangerschaft. Dtsch Med Wochenschr 2016;141(2):110-114

Hinrichs JB, Murray T, Akin M, Lee M, Brehm MU, Wilhelmi M, Wacker FK, Rodt T. Evaluation of a novel 2D perfusion angiography technique independent of pump injections for assessment of interventional treatment of peripheral vascular disease. Int J Cardiovasc Imaging 2017;33(3):295-301

Hohmann S, Rudic B, Konrad T, Duncker D, König T, Tülußen E, Rostock T, Borggrefe M, Veltmann C. Systematic ajmaline challenge in patients with long QT 3 syndrome caused by the most common mutation: a multicentre study Europace 2016;DOI: 10.1093/europace/euw214

Imori Y, D'Ascenzo F, Gori T, Münnel T, Fabrizio U, Campo G, Cerrato E, Napp LC, Iannaccone M, Ghadri JR, Kazemian E, Binder RK, Jaguszewski M, Csordas A, Capasso P, Biscaglia S, Conrotto F, Varbella F, Garbo R, Gaita F, Erne P, Lüscher TF, Moretti C, Frangieh AH, Templin C. Impact of postdilation on performance of bioresorbable vascular scaffolds in patients with acute coronary syndrome compared with everolimus-eluting stents: A propensity score-matched analysis from a multicenter "real-world" registry. Cardiol J 2016;23(4):374-383

Jaguszewski M, Dörig M, Frangieh AH, Ghadri JR, Cammann VL, Diekmann J, Napp LC, D'Ascenzo F, Imori Y, Obeid S, Maier W, Lüscher TF, Templin C. Safety and efficacy profile of bioresorbable-polylactide-polymer-biolimus-A9-eluting stents versus durable-polymer-everolimus- and zotarolimus-eluting stents in patients with acute coronary syndrome. Catheter Cardiovasc Interv 2016;88(6):E173-E182

Kahl KG, Kerling A, Tegtbur U, Gützlaff E, Herrmann J, Borchert L, Ates Z, Westhoff-Bleck M, Hueper K, Hartung D. Effects of additional exercise training on epicardial, intra-abdominal and subcutaneous adipose tissue in major depressive disorder: A randomized pilot study J Affect Disord 2016;192:91-97

Kitow J, Derda AA, Beermann J, Kumarswamy R, Pfanne A, Fendrich J, Lorenzen JM, Xiao K, Bavendiek U, Bauersachs J, Thum T. Mitochondrial long noncoding RNAs as blood based biomarkers for cardiac remodeling in patients with hypertrophic cardiomyopathy Am J Physiol Heart Circ Physiol 2016;311(3):H707-12

Montalescot G, van 't Hof AW, Bolognese L, Cantor WJ, Cequier A, Chettibi M, Collet JP, Goodman SG, Hammett CJ, Huber K, Janzon M, Lapostolle F, Lassen JF, Licour M, Merkely B, Salhi N, Silvain J, Storey RF, Ten Berg JM, Tsatsaris A, Zeymer U, Vicaut E, Hamm CW, ATLANTIC Investigators. Effect of Pre-Hospital Ticagrelor During the First 24 h After Primary Percutaneous Coronary Intervention in Patients With ST-Segment Elevation Myocardial Infarction: The ATLANTIC-H(2)(4) Analysis JACC Cardiovasc Interv 2016;9(7):646-656

Napp LC, Jabs O, Höckelmann A, Dutzmann J, Kapopara PR, Sedding DG, Gaestel M, Bauersachs J, Bavendiek U. Normal endothelial but impaired arterial development in MAP-Kinase activated protein kinase 2 (MK2) deficient mice Vasc Cell 2016;8:4

Neumann A, Napp LC, Kleeberger JA, Benecke N, Pfanne A, Haverich A, Thum T, Bara C. MicroRNA 628-5p as a Novel Biomarker for Cardiac Allograft Vasculopathy. Transplantation 2017;101(1):e26-e33

Neumann A, Sarikouch S, Bobylev D, Meschenmoser L, Breymann T, Westhoff-Bleck M, Scheid M, Tzanavaros I, Bertram H, Beerbaum P, Haverich A, Boethig D, Horke A. Long-term results after repair of anomalous origin of left coronary artery from the pulmonary artery: Takeuchi repair versus coronary transfer. Eur J Cardiothorac Surg 2016;DOI: 10.1093/ejcts/ezw268

Neuser J, Akin M, Bavendiek U, Kempf T, Bauersachs J, Widder JD. Mid-term results of interventional closure of patent foramen ovale with the Occlutech Figulla(R) Flex II Occluder BMC Cardiovasc Disord 2016;16(1):217

Neuser J, Fraccarollo D, Wick M, Bauersachs J, Widder JD. Multidrug resistance associated protein-1 (MRP1) deficiency attenuates endothelial dysfunction in diabetes. *J Diabetes Complications* 2016;30(4):623-627

Nonhoff J, Ricke-Hoch M, Mueller M, Stapel B, Pfeffer T, Kasten M, Scherr M, von Kaisenberg C, Bauersachs J, Haghikia A, Hilfiker-Kleiner D. Serelaxin treatment promotes adaptive hypertrophy but does not prevent heart failure in experimental peripartum cardiomyopathy. *Cardiovasc Res* 2017;DOI: 10.1093/cvr/cvw245

O'Donoghue ML, Glaser R, Cavender MA, Aylward PE, Bonaca MP, Budaj A, Davies RY, Dellborg M, Fox KA, Gutierrez JA, Hamm C, Kiss RG, Kovar F, Kuder JF, Im KA, Lepore JJ, Lopez-Sendon JL, Ophuis TO, Parkhomenko A, Shannon JB, Spinar J, Tanguay JF, Ruda M, Steg PG, Theroux P, Wiviott SD, Laws I, Sabatine MS, Morrow DA, LATITUDE-TIMI 60 Investigators. Effect of Losmapimod on Cardiovascular Outcomes in Patients Hospitalized With Acute Myocardial Infarction: A Randomized Clinical Trial. *JAMA* 2016;315(15):1591-1599

Park SY, Rossman MJ, Gifford JR, Bharath LP, Bauersachs J, Richardson RS, Abel ED, Symons JD, Riehle C. Exercise training improves vascular mitochondrial function. *Am J Physiol Heart Circ Physiol* 2016;310(7):H821-H829

Ponikowski P, Voors AA, Anker SD, Bueno H, Cleland JG, Coats AJ, Falk V, Gonzalez-Juanatey JR, Harjola VP, Jankowska EA, Jessup M, Linde C, Nihoyannopoulos P, Parissis JT, Pieske B, Riley JP, Rosano GM, Ruilope LM, Ruschitzka F, Rutten FH, van der Meer P. 2016 ESC Guidelines for the Diagnosis and Treatment of Acute and Chronic Heart Failure. *Rev Esp Cardiol (Engl Ed)* 2016;69(12):1167

Puurunen MK, Enserro D, Xanthakis V, Larson MG, Benjamin EJ, Tofler GH, Wollert KC, O'Donnell CJ, Vasan RS. Biomarkers for the prediction of venous thromboembolism in the community. *Thromb Res* 2016;145:34-39

Rudic B, Schimpf R, Veltmann C, Doesch C, Tüluinen E, Schoenberg SO, Borggrefe M, Papavassiliou T. Brugada syndrome: clinical presentation and genotype-correlation with magnetic resonance imaging parameters. *Europace* 2016;18(9):1411-1419

Sarikouch S, Horke A, Tudorache I, Beerbaum P, Westhoff-Bleck M, Boethig D, Repin O, Maniuc L, Ciubotaru A, Haverich A, Cebotari S. Decellularized fresh homografts for pulmonary valve replacement: a decade of clinical experience. *Eur J Cardiothorac Surg* 2016;50(2):281-290

Schäfer U, Maisano F, Butter C, Franzen O, Baldus S, Hausleiter J, Ussia GP, Sievert H, Geist V, Widder JD, Moccetti T, Schillinger W. Impact of Preprocedural Left Ventricular Ejection Fraction on 1-Year Outcomes After MitraClip Implantation (from the ACCESS-EU Phase I, a Prospective, Multicenter, Nonrandomized Postapproval Study of the MitraClip Therapy in Europe). *Am J Cardiol* 2016;118(6):873-880

Sinning C, Kempf T, Schwarzl M, Lanfermann S, Ojeda F, Schnabel RB, Zengin E, Wild PS, Lackner KJ, Munzel T, Blankenberg S, Wollert KC, Zeller T, Westermann D. Biomarkers for characterization of heart failure - Distinction of heart failure with preserved and reduced ejection fraction. *Int J Cardiol* 2017;227:272-277

Sinning C, Ojeda F, Wild PS, Schnabel RB, Schwarzl M, Ohdah S, Lackner KJ, Pfeiffer N, Michal M, Blettner M, Munzel T, Kempf T, Wollert KC, Kuulasmaa K, Blankenberg S, Salomaa V, Westermann D, Zeller T. Midregional proadrenomedullin and growth differentiation factor-15 are not influenced by obesity in heart failure patients. *Clin Res Cardiol* 2017;106(6):401-410

Stapel B, Kohlhaas M, Ricke-Hoch M, Haghikia A, Erschow S, Knuuti J, Silvola JM, Roivainen A, Saraste A, Nickel AG, Saar JA, Sieve I, Pietzsch S, Müller M, Bogeski I, Kappl R, Jauhainen M, Thackeray JT, Scherr M, Bengel FM, Hagl C, Tudorache I, Bauersachs J, Maack C, Hilfiker-Kleiner D. Low STAT3 expression sensitizes to toxic effects of beta-adrenergic receptor stimulation in peripartum cardiomyopathy. *Eur Heart J* 2016;DOI: 10.1093/euroheartj/ehw086

Stapel B, Kotsiari A, Scherr M, Hilfiker-Kleiner D, Bleich S, Frieling H, Kahl KG. Olanzapine and aripiprazole differentially affect glucose uptake and energy metabolism in human mononuclear blood cells. *J Psychiatr Res* 2016;88:18-27

Stoetzer C, Papenberg B, Doll T, Völker M, Heineke J, Stoetzer M, Wegner F, Leffler A. Differential inhibition of cardiac and neuronal Na(+) channels by the selective serotonin-norepinephrine reuptake inhibitors duloxetine and venlafaxine. *Eur J Pharmacol* 2016;783:1-10

Stoetzer C, Voelker M, Doll T, Heineke J, Wegner F, Leffler A. Cardiotoxic Antiemetics Metoclopramide and Domperidone Block Cardiac Voltage-Gated Na<sup>+</sup> Channels. *Anesth Analg* 2017;124(1):52-60

Thackeray JT, Bankstahl JP, Wang Y, Wollert KC, Bengel FM. Targeting Amino Acid Metabolism for Molecular Imaging of Inflammation Early After Myocardial Infarction. *Theranostics* 2016;6(11):1768-1779

Tudorache I, Horke A, Cebotari S, Sarikouch S, Boethig D, Breymann T, Beerbaum P, Bertram H, Westhoff-Bleck M, Theodoridis K, Bobylev D, Cheptanaru E, Ciubotaru A, Haverich A. Decellularized aortic homografts for aortic valve and aorta ascendens replacement. *Eur J Cardiothorac Surg* 2016;50(1):89-97

Tüldüm E, Schulze-Bahr E, Zumhagen S, Stallmeyer B, Seeböhm G, Beckmann BM, Kääb S, Rudic B, Liebe V, Wolpert C, Herrera-Siklody C, Veltmann C, Schimpf R, Borggrefe M. Early repolarization pattern: a marker of increased risk in patients with catecholaminergic polymorphic ventricular tachycardia *Europace* 2016;18(10):1587-1592

Tutarel O, Orwat S, Radke RM, Westhoff-Bleck M, Vossler C, Schülke C, Baumgartner H, Bauersachs J, Röntgen P, Diller GP. Assessment of myocardial function using MRI-based feature tracking in adults after atrial repair of transposition of the great arteries: Reference values and clinical utility. *Int J Cardiol* 2016;220:246-250

Uriel N, Adatya S, Maly J, Kruse E, Rodgers D, Heatley G, Herman A, Sood P, Berliner D, Bauersachs J, Haverich A, Zelizko M, Schmitto JD, Netuka I. Clinical hemodynamic evaluation of patients implanted with a fully magnetically levitated left ventricular assist device (Heart-Mate 3). *J Heart Lung Transplant* 2017;36(1):28-35

Veltmann C, Barajas-Martinez H, Wolpert C, Borggrefe M, Schimpf R, Pfeiffer R, Cáceres G, Burashnikov E, Antzelevitch C, Hu D. Further Insights in the Most Common SCN5A Mutation Causing Overlapping Phenotype of Long QT Syndrome, Brugada Syndrome, and Conduction Defect *J Am Heart Assoc* 2016;5(7)

Wallentin L, Lindhagen L, Ärnström E, Husted S, Janzon M, Johnsen SP, Kontny F, Kempf T, Levin LA, Lindahl B, Stridsberg M, Stahle E, Venge P, Wollert KC, Swahn E, Lagerqvist B, FRISC-II study group. Early invasive versus non-invasive treatment in patients with non-ST-elevation acute coronary syndrome (FRISC-II): 15 year follow-up of a prospective, randomised, multicentre study. *Lancet* 2016;388(10054):1903-1911

Ware JS, Li J, Mazaika E, Yasso CM, DeSouza T, Cappola TP, Tsai EJ, Hilfiker-Kleiner D, Kamiya CA, Mazzarotto F, Cook SA, Halder I, Prasad SK, Pisarcik J, Hanley-Yanez K, Alharethi R, Damp J, Hsich E, Elkayam U, Sheppard R, Kealey A, Alexis J, Ramani G, Safirstein J, Boehmer J, Pauly DF, Wittstein IS, Thohan V, Zucker MJ, Liu P, Gorcsan J, 3rd, McNamara DM, Seidman CE, Seidman JG, Arany Z, IMAC-2 and IPAC Investigators. Shared Genetic Predisposition in Peripartum and Dilated Cardiomyopathies. *N Engl J Med* 2016;374(3):233-241

Westhoff-Bleck M, Briest J, Fraccarollo D, Hilfiker-Kleiner D, Winter L, Maske U, Busch MA, Bleich S, Bauersachs J, Kahl KG. Mental disorders in adults with congenital heart disease: Unmet needs and impact on quality of life. *J Affect Disord* 2016;204:180-186

Westhoff-Bleck M, Kornau F, Haghikia A, Horke A, Bertram H, Treptau J, Widder J, Bauersachs J, Brehm MU. NT-proBNP Indicates Left Ventricular Impairment and Adverse Clinical Outcome in Patients With Tetralogy of Fallot and Pulmonary Regurgitation. *Can J Cardiol* 2016;32(10):1247.e29-1247.e36

Xanthakos V, Enserro DM, Larson MG, Wollert KC, Januzzi JL, Levy D, Aragam J, Benjamin EJ, Cheng S, Wang TJ, Mitchell GF, Vasan RS. Prevalence, Neurohormonal Correlates, and Prognosis of Heart Failure Stages in the Community. *JACC Heart Fail* 2016;4(10):808-815

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing *Eur J Immunol* 2016;46(6):1415-1426

## Übersichtsarbeiten

Bauersachs J, Arrigo M, Hilfiker-Kleiner D, Veltmann C, Coats AJ, Crespo-Leiro MG, De Boer RA, van der Meer P, Maack C, Mouquet F, Petrie MC, Piepoli MF, Regitz-Zagrosek V, Schaufelberger M, Seferovic P, Tavazzi L, Ruschitzka F, Mebazaa A, Sliwa K. Current management of patients with severe acute peripartum cardiomyopathy: practical guidance from the Heart Failure Association of the European Society of Cardiology Study Group on peripartum cardiomyopathy *Eur J Heart Fail* 2016;18(9):1096-1105

Berliner D, Schneider N, Welte T, Bauersachs J. The differential diagnosis of dyspnoea. *Dtsch Arztebl International* 2016;834-845

Cabrera-Fuentes HA, Aragones J, Bernhagen J, Boening A, Boisvert WA, Bøtker HE, Bulluck H, Cook S, Di Lisa F, Engel FB, Engelmann B, Ferrazzi F, Ferdinand P, Fong A, Fleming I, Gnaiger E, Hernández-Reséndiz S, Kalkhoran SB, Kim MH, Lecour S, Liehn EA, Marber MS, Mayr M, Miura T, Ong SB, Peter K, Sedding D, Singh MK, Suleiman MS, Schnittler HJ, Schulz R, Shim W, Tello D, Vogel CW, Walker M, Li QO, Yellon DM, Hausenloy DJ, Preissner KT. From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research" *Basic Res Cardiol* 2016;111(6):69

David S, Napp LC, Kühn C, Hoeper MM. Extrakorporale Membranoxygenierung : Prinzip und internistische Indikationen. *Internist (Berl)* 2016;57(9):856-863

Duncker D, Bauersachs J, Veltmann C. Die Defibrillatorweste : Passagerer Schutz vor dem plötzlichen Herztod *Internist (Berl)* 2016;57(9):864-870

Duncker D, Veltmann C. The Wearable Cardioverter/Defibrillator - Toy Or Tool? *J Atr Fibrillation* 2016;8(6):1367

Helms TM, Silber S, Schäfer A, Masuhr F, Palm F, Darius H, Schrör K, Bänsch D, Bramlage P, Hankowitz J, Karle CA, Stargardt T, Weil J, Geller JC. Konsensuspapier: Schlaganfallprophylaxe bei Patienten mit nichtvalvulärem Vorhofflimmern Herzschrittmacherther Elektrophysiol 2016;27(3):295-306

Merseburger AS, Sedding D, Hüter K. Kardiovaskuläre Risikopatienten unter Androgenentzugstherapie : Geringeres Risiko mit GnRH-Antagonisten im Vergleich zu LHRH-Agonisten? Urologe A 2016;55(2):218-225

Napp LC, Kühn C, Hooper MM, Vogel-Claussen J, Haverich A, Schäfer A, Bauersachs J. Cannulation strategies for percutaneous extracorporeal membrane oxygenation in adults. Clin Res Cardiol 2016;105(4):283-296

Napp LC, Schieffer B, Bauersachs J. Temporäre Unterstützungssysteme im kardiogenen Schock. Herzmedizin 2016;32(4):19-26

Riehle C, Abel ED. Insulin Signaling and Heart Failure. Circ Res 2016;118(7):1151-1169

Schäfer A, Bauersachs J. Linksventrikuläres Unloading im kardiogenen Schock. Herz 2017;42(1):18-26

Tongers J, Franke A, Zellerhoff C, Weiss T, Remmlinger HP, Bauersachs J. Herzinfarkt-Netzwerke in der Großstadt: FITT-STEMI in Hannover. Herzmedizin 2016;32(6):14-25

Waller C, Bauersachs J, Hoppmann U, Höch J, Krause S, Szabo F, Engler H, Rottler E, Herrmann-Lingen C, Gundel H. Blunted Cortisol Stress Response and Depression-Induced Hypocortisolism Is Related to Inflammation in Patients With CAD. J Am Coll Cardiol 2016;67(9):1124-1126

Wollert KC, Kempf T, Wallentin L. Growth Differentiation Factor 15 as a Biomarker in Cardiovascular Disease. Clin Chem 2017;63(1):140-151

#### **Letter**

Merseburger A, Sedding D. GnRH-Antagonisten bei PCa-Patienten mit klinisch relevanter kardiovaskulärer Vorerkrankung Urologe A 2016;55(9):1240-1241

Napp LC, Conzen U, Treptau J, Bauersachs J, Schäfer A. Giant pericardial effusion: drain it all? Eur Heart J 2016;37(29):2383

Panagiota V, König T, Bauersachs J, Veltmann C, Napp LC. Intermittent accelerated idioventricular rhythm: a novel arrhythmia in lupus erythematosus. Lupus 2016;25(11):1280-1282

Treptau J, Ebnet J, Akin M, Tongers J, Bauersachs J, Brehm M, Napp LC. Angiographic detection of fatal acute aortic dissection Stanford type A under resuscitation. Cardiol J 2016;23(6):620-622

#### **Case reports**

Brehm MU, Sonnenschein K, Treptau J, Aper T, Bauersachs J, Akin M. Pseudoaneurysma nach transradialer Punktion bei systemischer Lyse einer Basilaristhrombose Dtsch Med Wochenschr 2016;141(3):211-214

Brehm MU, Sonnenschein K, Treptau J, Aper T, Bauersachs J, Akin M. Pseudoaneurysma nach transradialer Punktion bei systemischer Lyse einer Basilaristhrombose : Erratum. Dtsch Med Wochenschr 2016;141(3):e38

Derlin T, Jonigk D, Bauersachs J, Bengel FM. Molecular Imaging of Chemokine Receptor CXCR4 in Non-Small Cell Lung Cancer Using 68Ga-Pentixafor PET/CT: Comparison With 18F-FDG Clin Nucl Med 2016;41(4):e204-e205

Heusser K, Brinkmann J, Topalidis W, Menne J, Haller H, Berliner D, Luft FC, Tank J, Jordan J. Physiology Unmasks Hypertension. Hypertension 2016;68(2):252-256

Kattih B, Duncker D, König T, Hohmann S, Oswald H, Veltmann C. PWellen-Oversensing bei subkutanem ICD Herzschrittmacherther Elektrophysiol 2016;27(2):151-153

Pfeffer TJ, König T, Duncker D, Michalski R, Hohmann S, Oswald H, Schmitto JD, Veltmann C. Subcutaneous Implantable Cardioverter-Defibrillator Shocks After Left Ventricular Assist Device Implantation Circ Arrhythm Electrophysiol 2016;9(11):e004633

Sieweke JT, Westhoff-Bleck M, Napp LC, Avsar M, Vogel-Claussen J, Schäfer A, Bauersachs J, Brehm M. Myocardial infarction in grown up patients with congenital heart disease: An emerging high-risk combination Int J Cardiol 2016;203:138-140

## **Editorials**

Templin C, Napp LC, Ghadri JR. Takotsubo Syndrome: Underdiagnosed, Underestimated, but Understood? J Am Coll Cardiol 2016;67(16):1937-1940

Wollert KC. Follistatin-Like 1 : Growing Evidence for Its Beneficial Role in Heart Failure . BTS 2016;1(4):222-223

Wollert KC. Ischaemic risk and bleeding risk in acute coronary syndrome: still inseparable. Eur Heart J 2016;37(16):1334-1336

## **Buchbeiträge, Monografien**

Hilfiker-Kleiner D, Podewski E, Roentgen P, Bauersachs J. Schwangerschaftsassoziierte Kardiomyopathie. In: Lehnert H, Schellong SM, Mößner J, Sieber C, Swoboda W, Neubauer A, Kemkes-Matthes B, Manns MPR,J., Hasenfuss G [Hrsg.]: DGIM Innere Medizin. Living Reference Work, continuously updated edition. Berlin, Heidelberg: Springer, [2016]-. (Springer Reference Medizin)

Napp L, Bauersachs J. Non-Compaction-Kardiomyopathie. In: Lehnert H, Schellong SM, Mößner J, Sieber C, Swoboda W, Neubauer A, Kemkes-Matthes B, Manns MPR,J., Hasenfuss G [Hrsg.]: DGIM Innere Medizin. Living Reference Work, continuously updated edition. Berlin, Heidelberg: Springer, [2016]-. (Springer Reference Medizin)

Napp L, Bauersachs J. Takotsubo-Kardiomyopathie. In: Lehnert H, Schellong SM, Mößner J, Sieber C, Swoboda W, Neubauer A, Kemkes-Matthes B, Manns MPR,J., Hasenfuss G [Hrsg.]: DGIM Innere Medizin. Living Reference Work, continuously updated edition. Berlin, Heidelberg: Springer, [2016]-. (Springer Reference Medizin)

Napp LC, Bauersachs J. Triple Cannulation ECMO. In: Firstenberg MS [Hrsg.]: Extracorporeal Membrane Oxygenation - Advances in Therapy. Rijeka: Intech, 2016. S. 79-99

## **sonstiges**

Bauersachs J. Behandlung der Herzinsuffizienz. Drug Res (Stuttg) 2016;66(Suppl.1):S24-S25

Hilfiker-Kleiner D, Sliwa K, Bauersachs J. Comparison of the American PPCM Registry Data With International Registries. J Am Coll Cardiol 2016;67(6):733-734

## **Promotionen**

Döppner, Janina Kristin (Dr. med.): CIB1 und die kardiale Hypertrophie : von der Zellkultur zur Gentherapie  
MHH-Signatur: D 80623

Grund, Andrea (Dr. rer. nat.): Untersuchungen zur Rolle von TIP30 in der Pathogenese der kardialen Hypertrophie und der Herzinsuffizienz  
MHH-Signatur: D 80686

Hartung, Johannes (Dr. med.): Sicherheit und Effektivität katheterinterventionell implantierbarer linksatrialer Vorhofohrokkluder zur Schlaganfall- und Embolieprävention bei Patienten mit chronischem Vorhofflimmern  
MHH-Signatur: D 80621

Karow, Meike Katrin (Dr. med.): Einfluss von kardialer Resynchronizationstherapie auf psycho-kognitive Funktionen bei herzinsuffizienten Patienten eine prospektive klinische Studie  
MHH-Signatur: D 80619

Malek Mohammadi, Mona (PhD M.Sc.): Regulation of myocardial regeneration by the cardiomyocyte transcription factor GATA4  
MHH-Signatur: D 80508

Menon, Akshay (PhD Regenerative Medicine M.Sc. Neuroscience): Functional role of Mitochondria-localized Glutamic Acid Rich Protein (MGARP) in Vascular Homeostasis  
MHH-Signatur: D 80548

Oberoi, Raghav (PhD M.Sc. Biomedical Sciences): Role of tumour necrosis factor alpha and monocyte subsets in vascular inflammation  
MHH-Signatur: D 80517

Wang, Honghui (Dr. med.): Deletion of the transcription factor GATA6 in cardiac fibroblasts is protective during pressure overload  
MHH-Signatur: D 80422

## Klinik für Immunologie und Rheumatologie – 6830

### Originalpublikationen

Atschekzei F, Ahmad F, Witte T, Jacobs R, Schmidt RE. Limitation of Simultaneous Analysis of T-Cell Receptor and kappa-Deleting Recombination Excision Circles Based on Multiplex Real-Time Polymerase Chain Reaction in Common Variable Immunodeficiency Patients. *Int Arch Allergy Immunol* 2016;171(2):136-140

Bernatsky S, Ramsey-Goldman R, Petri M, Urowitz MB, Gladman DD, Fortin PF, Ginzler E, Romero-Diaz J, Peschken C, Jacobsen S, Hanly JG, Gordon C, Nived O, Yelin EH, Isenberg D, Rahman A, Bae SC, Joseph L, Witte T, Ruiz-Irastorza G, Aranow C, Kamen D, Sturfeldt G, Foulkes WD, Hansen JE, St Pierre Y, Raymer PC, Tessier-Cloutier B, Clarke AE. Breast cancer in systemic lupus Lupus 2017;26(3):311-315

Bhardwaj S, Ahmad F, Wedemeyer H, Cornberg M, Schulze Zur Wiesch J, van Lunzen J, Sarin SK, Schmidt RE, Meyer-Olson D. Increased CD56(bright) NK cells in HIV-HCV co-infection and HCV mono-infection are associated with distinctive alterations of their phenotype. *Virol J* 2016;13:67

Engmann J, Rüdrich U, Behrens G, Papakonstantinou E, Gehring M, Kapp A, Raap U. Increased Activity and Apoptosis of Eosinophils in Blister Fluids, Skin and Peripheral Blood of Patients with Bullous Pemphigoid. *Acta Derm Venereol* 2017;97(4):464-471

Ernst D, Witte T. Sjögren-Syndrom *Dtsch Med Wochenschr* 2016;141(8):544-550

Frenz T, Grabski E, Buschjäger D, Vaas LA, Burgdorf N, Schmidt RE, Witte T, Kalinke U. CD4(+) T cells in patients with chronic inflammatory rheumatic disorders show distinct levels of exhaustion *J Allergy Clin Immunol* 2016;138(2):586-589.e10

Hampel A, Solbach P, Cornberg M, Schmidt RE, Behrens GM, Jablonka A. Aktuelle Seroprävalenz, Impfstatus und prädiktiver Wert der Leberenzyme für Hepatitis B bei Flüchtlingen in Deutschland. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(5):578-583

Harris VM, Sharma R, Cavett J, Kurien BT, Liu K, Koelsch KA, Rasmussen A, Radfar L, Lewis D, Stone DU, Kaufman CE, Li S, Segal B, Wallace DJ, Weisman MH, Venuturupalli S, Kelly JA, Alarcon-Riquelme ME, Pons-Estel B, Jonsson R, Lu X, Gottenberg JE, Anaya JM, Cunningham-Graham DS, Huang AJ, Brennan MT, Hughes P, Alevizos I, Miceli-Richard C, Keystone EC, Bykerk VP, Hirschfield G, Xie G, Ng WF, Nordmark G, Bucher SM, Eriksson P, Omdal R, Rhodus NL, Rischmueller M, Rohrer M, Wahren-Herlenius M, Witte T, Mariette X, Lessard CJ, Harley JB, Sivils KL, Scofield RH. Klinefelter's syndrome (47,XXY) is in excess among men with Sjogren's syndrome *Clin Immunol* 2016;168:25-29

Hass R, Jacobs R, Kaufmann AM, Hillemanns P, Soergel P. Sensitization of immune cells following hexylaminolevulinate photodynamic therapy of cervical intraepithelial neoplasia. *Photodiagnosis Photodyn Ther* 2017;17:82-86

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happle C. Tetanus and diphtheria immunity in refugees in Europe in 2015. *Infection* 2017;45(2):157-164

Jablonka A, Happle C, Grote U, Schleenvoigt BT, Hampel A, Dopfer C, Hansen G, Schmidt RE, Behrens GM. Measles, mumps, rubella, and varicella seroprevalence in refugees in Germany in 2015. *Infection* 2016;44(6):781-787

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland *Med Klin Intensivmed Notfmed* 2017;112(4):347-351

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland. *Med Klin Intensivmed Notfmed* 2017;112(4):347-351

Jablonka A, Solbach P, Nothdorft S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015 *Dtsch Med Wochenschr* 2016;141(14):e128-32

Jablonka A, Solbach P, Nothdorft S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015. *Dtsch Med Wochenschr* 2016;141(14):e128-32

Jablonka A, Solbach P, Ringe B, Schleenvoigt BT, Dopfer C, Hampel A, Schmidt RE, Behrens GMN. Niedrige Seroprävalenz von Hepatitis C bei Flüchtlingen in Deutschland im Jahr 2015. *Notfall Rettungsmed* 2017;20(1):1-5

Köhler L, Kirchhoff T, Jablonka A, Schmidt RE, Merkesdal S. Incidence of Rheumatoid Arthritis Onset in Patients with Arthralgia and Anti-Citrullinated Peptide Antibody Positivity: Pilotstudy on Effectiveness of Hydroxychloroquin Treatment. *Rheumatology: Current Research* 2016;6(2):1-4

Liu K, Kurien BT, Zimmerman SL, Kaufman KM, Taft DH, Kottyan LC, Lazaro S, Weaver CA, Ice JA, Adler AJ, Chodosh J, Radfar L, Rasmussen A, Stone DU, Lewis DM, Li S, Koelsch KA, Igoe A, Talsania M, Kumar J, Maier-Moore JS, Harris VM, Gopalakrishnan R, Jonsson R, Lessard JA, Lu X, Gottenberg JE, Anaya JM, Cunningham-Graham DS, Huang AJ, Brennan MT, Hughes P, Illei GG, Miceli-Richard C, Keystone EC, Bykerk VP, Hirschfield G, Xie G, Ng WF, Nordmark G, Eriksson P, Omdal R, Rhodus NL, Rischmueller M, Rohrer M, Segal BM, Vyse TJ, Wahren-Herlenius M, Witte T, Pons-Estel B, Alarcón-Riquelme ME, Guthridge JM, James JA, Lessard CJ, Kelly JA, Thompson SD, Gaffney PM, Montgomery CG, Edberg JC, Kimberly RP, Alarcón GS, Langefeld CL, Gilkeson GS, Kamen DL, Tsao BP, Joseph McCune W, Salmon JE, Merrill JT, Weisman MH, Wallace DJ, Utset TO, Bottinger EP, Amos CI, Siminovitch KA, Mariette X, Sivils KL, Harley JB, Scofield RH. X Chromosome Dose and Sex Bias in Autoimmune Diseases: Increased Prevalence of 47,XXX in Systemic Lupus Erythematosus and Sjogren's Syndrome. *Rheumatol* 2016;68(5):1290-1300

López-Isac E, Martín JE, Assassi S, Simeón CP, Carreira P, Ortego-Centeno N, Freire M, Beltrán E, Narváez J, Alegre-Sancho JJ, Spanish Scleroderma Group, Fernández-Gutiérrez B, Balsa A, Ortiz AM, González-Gay MA, Beretta L, Santaniello A, Bellocchi C, Lunardi C, Moroncini G, Gabrielli A, Witte T, Hunzemann N, Distler JH, Riekemasten G, van der Helm-van Mil AH, de Vries-Bouwstra J, Magro-Checa C, Voskuyl AE, Vonk MC, Molberg Ø, Merriman T, Hesselstrand R, Nordin A, Padyukov L, Herrick A, Eyre S, Koeleman BP, Denton CP, Fonseca C, Radstake TR, Worthington J, Mayes MD, Martín J. Brief Report: IRF4 Newly Identified as a Common Susceptibility Locus for Systemic Sclerosis and Rheumatoid Arthritis in a Cross-Disease Meta-Analysis of Genome-Wide Association Studies. *Arthritis Rheumatol* 2016;68(9):2338-2344

Low HZ, Ahrenstorf G, Pommerenke C, Habermann N, Schughart K, Ordóñez D, Stripecke R, Wilk E, Witte T. TLR8 regulation of LILRA3 in monocytes is abrogated in human immunodeficiency virus infection and correlates to CD4 counts and virus loads. *Retrovirology* 2016;13:15

Márquez A, Fernández-Aranguren T, Witte T, González-Gay MA, Martín J, Spanish GCA Group, Spanish Scleroderma Group. LILRA deficiency is not involved in the giant cell arteritis and systemic sclerosis predisposition. *Clin Exp Rheumatol* 2016;34 Suppl 100(5):208-209

Ndakala FN, Oyugi JO, Oluka MN, Kimani J, Jablonka A, Behrens GMN. Prevalent neuropathy in a cohort of HIV-infected Kenyan sex workers using antiretroviral drugs. *Pan Afr Med J* 2016;25(Sept-Dec):14

Pars K, Pul R, Schwenkenbecher P, Sühs KW, Wurster U, Witte T, Bronzlik P, Stangel M, Skripuletz T. Cerebrospinal Fluid Findings in Neurological Diseases Associated with Sjögren's Syndrome. *Eur Neurol* 2016;77(1-2):91-102

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Riemekasten G, Aringer M, Baerwald CG, Meyer-Bahlburg A, Bergner R, Feuchtenberger M, Gebhardt C, Hellmich B, Keyßer G, Lorenz HM, Kneitz C, Witte T, Müller-Ladner U, Schneider M, Braun J, Rautenstrauch J, Specker C, Schulze-Koops H. Rheumatologie - Integration in die studentische Ausbildung (RISA) : Zur aktuellen Struktur der internistischen Rheumatologie an deutschen Hochschulen (RISA III) Z Rheumatol 2016;75(5):493-501

Schmidt RE, Kötter I. Rescue-Therapie und schwierige Behandlungssituationen Z Rheumatol 2016;75(10):954-955

Sturm C, Witte T. Muskuloskeletal bedingter Thoraxschmerz Internist (Berl) 2017;58(1):39-46

Tezval H, Dubrowinskaja N, Peters I, Reese C, Serth K, Atschekzei F, Hennenlotter J, Stenzl A, Kuczyk MA, Serth J. Tumor Specific Epigenetic Silencing of Corticotropin Releasing Hormone -Binding Protein in Renal Cell Carcinoma: Association of Hypermethylation and Metastasis. *PLoS One* 2016;11(10):e0163873

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. HIV-1 infection results in increased frequency of active and inflammatory slanDCs that produce high level of IL-1beta. *J Acquir Immune Defic Syndr* 2016;73(1):34-38

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. IL-1beta limits the extent of human 6-sulfo LacNAc dendritic cell (slanDC)-mediated NK cell activation and regulates CD95-induced apoptosis. *Cell Mol Immunol* 2016:DOI: 10.1038/cmi.2016.17

Witte T. Einsatz von Immunglobulinen Z Rheumatol 2016;75(10):956-963

Witte T. Immunologische Grundlagen der IgG4-RD Radiologe 2016;56(12):1043-1048

Witte T. Immunologische Grundlagen der IgG4-RD Z Rheumatol 2016;75(7):660-665

### Übersichtsarbeiten

Deeks SG, Lewin SR, Ross AL, Ananworanich J, Benkirane M, Cannon P, Chomont N, Douek D, Lifson JD, Lo YR, Kuritzkes D, Margolis D, Mellors J, Persaud D, Tucker JD, Barre-Sinoussi F, International AIDS Society Towards a Cure Working Group, Alter G, Auerbach J, Autran B, Barouch DH, Behrens G, Cavazzana M, Chen Z, Cohen EA, Corbelli GM, Eholie S, Eyal N, Fidler S, Garcia L, Grossman C, Henderson G, Henrich TJ, Jefferys R, Kiem HP, McCune J, Moodley K, Newman PA, Nijhuis M, Nsubuga MS, Ott M, Palmer S, Richman D, Saez-Cirion A, Sharp M, Siliciano J, Silvestri G, Singh J, Spire B, Taylor J, Tolstrup M, Valente S, van Lunzen J, Walensky R, Wilson I, Zack J. International AIDS Society global scientific strategy: towards an HIV cure 2016. Nat Med 2016;22(8):839-850

Klionsky DJ, et al Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy 2016;12(1):1-222

### Promotionen

Tappe, Kim Annchen (Dr. rer. nat. Immunology M.Sc. Biochemistry): Cell death and autophagy induction following modified vaccinia virus Ankara (MVA) infection give rise to efficient CTL priming  
MHH-Signatur: D 80176

## Klinik für Nieren- und Hochdruckerkrankungen – 6840

### Originalpublikationen

Anglicheau D, Naesens M, Essig M, Gwinner W, Marquet P. Establishing Biomarkers in Transplant Medicine: A Critical Review of Current Approaches Transplantation 2016;100(10):2024-2038

Attaran-Bandarabadi M, Kalbasi Anaraki P, Gwinner W, Haller H. 73-jähriger Patient mit Kraftlosigkeit in den Extremitäten Internist (Berl) 2016;57(8):815-818

Avsar M, Jansson K, Sommer W, Kruse B, Thissen S, Dreckmann K, Knoefel AK, Salman J, Hafer C, Hecker J, Buechler G, Karstens JH, Jonigk D, Länger F, Kaever V, Falk CS, Hewicker-Trautwein M, Ungefroren H, Haverich A, Strüber M, Warnecke G. Augmentation of Transient Donor Cell Chimerism and Alloantigen-Specific Regulation of Lung Transplants in Miniature Swine. Am J Transplant 2016;16(5):1371-1382

Baisantry A, Bhayana S, Wrede C, Hegermann J, Haller H, Melk A, Schmitt R. The impact of autophagy on the development of senescence in primary tubular epithelial cells Cell Cycle 2016;15(21):2973-2979

Balzer MS, Müller-Deile J, Schulze D, Eisenbach G, Schmidt BMW, Haller H, Schmitt R. Potential Impact of Dialysate Magnesium on Intradialytic Hypotension. Arch Renal Dis Manag 2016;2(1):031-034

Beneke J, Sartison A, Kielstein JT, Haller H, Nitschke M, Kunzendorf U, Loos S, Kemper MJ, Stahl RA, Menne J, German 2011 STEC-HUS outbreak study group. Clinical and Laboratory Consequences of Platelet Transfusion in Shiga Toxin-Mediated Hemolytic Uremic Syndrome Transfus Med Rev 2017;31(1):51-55

Borghi C, Rosei EA, Bardin T, Dawson J, Dominiczak A, Kielstein JT, Manolis AJ, Perez-Ruiz F, Mancia G. Serum uric acid and the risk of cardiovascular and renal disease. J Hypertens 2015;33(9):1729-1741; discussion 1741

Braun DA, Sadowski CE, Kohl S, Lovric S, Astrinidis SA, Pabst WL, Gee HY, Ashraf S, Lawson JA, Shril S, Airik M, Tan W, Schapiro D, Rao J, Choi WI, Hermle T, Kemper MJ, Pohl M, Ozaltin F, Konrad M, Bogdanovic R, Büscher R, Helmchen U, Serdaroglu E, Lifton RP, Antonin W, Hildebrandt F. Mutations in nuclear pore genes NUP93, NUP205 and XPO5 cause steroid-resistant nephrotic syndrome Nat Genet 2016;48(4):457-465

Busch M, Nadal J, Schmid M, Paul K, Titze S, Hübner S, Köttgen A, Schultheiss UT, Baid-Agrawal S, Lorenzen J, Schlieper G, Sommerer C, Krane V, Hilge R, Kielstein JT, Kronenberg F, Wanner C, Eckardt KU, Wolf G, GCKD Study Investigators. Glycaemic control and antidiabetic therapy in patients with diabetes mellitus and chronic kidney disease - cross-sectional data from the German Chronic Kidney Disease (GCKD) cohort BMC Nephrol 2016;17(1):59

Chatzikyrkou C, Bahlmann FH, Sushakova N, Scurt FG, Menne J, Nawroth P, Mertens PR, Haller H. Low-dose erythropoietin promotes wound-healing of ulcers in diabetics: Evidence from a phase-IIa clinical study Diabetes Metab 2016;42(6):466-470

Chatzikyrkou C, Eichler J, Karch A, Clajus C, Scurt FG, Ramackers W, Lehner F, Menne J, Haller H, Mertens PR, Schiffer M. Short- and long-term effects of the use of RAAS blockers immediately after renal transplantation. Blood Press 2017;26(1):30-38

David S, Wiesner O. Das hypoxamische Lungenvorlesungen. Med Klin Intensivmed Notfmed 2016;111(3):186-195

Dong L, Helmke A, Waisman A, Haller H, Pich A, von Vietinghoff S. Surface-bound bovine serum albumin carrier protein as present in recombinant cytokine preparations amplifies T helper 17 cell polarization. Sci Rep 2016;6:36598

Einecke G, Reeve J, Halloran PF. Hyalinosis Lesions in Renal Transplant Biopsies: Time-Dependent Complexity of Interpretation Am J Transplant 2017;17(5):1346-1357

Endig J, Buitrago-Molina LE, Marhenke S, Reisinger F, Saborowski A, Schütt J, Limbourg F, Könecke C, Schreder A, Michael A, Misslitz AC, Healy ME, Geffers R, Clavel T, Haller D, Unger K, Finegold M, Weber A, Manns MP, Longerich T, Heikenwälder M, Vogel A. Dual Role of the Adaptive Immune System in Liver Injury and Hepatocellular Carcinoma Development Cancer Cell 2016;30(2):308-323

Fakhouri F, Hourmant M, Campistol JM, Cataland SR, Espinosa M, Gaber AO, Menne J, Minetti EE, Provôt F, Rondeau E, Ruggenenti P, Weekers LE, Ogawa M, Bedrosian CL, Legendre CM. Terminal Complement Inhibitor Eculizumab in Adult Patients With Atypical Hemolytic Uremic Syndrome: A Single-Arm, Open-Label Trial Am J Kidney Dis 2016;68(1):84-93

Fleig S, Patecki M, Schmitt R. Chronische Niereninsuffizienz : Was ist gesichert in der Therapie? Internist (Berl) 2016;57(12):1164-1171

Gamrekelashvili J, Giagnorio R, Jussofie J, Soehnlein O, Duchene J, Briseño CG, Ramasamy SK, Krishnasamy K, Limbourg A, Kapanadze T, Ishifune C, Hinkel R, Radtke F, Strobl LJ, Zimber-Strobl U, Napp LC, Bauersachs J, Haller H, Yasutomo K, Kupatt C, Murphy KM, Adams RH, Weber C, Limbourg FP. Regulation of monocyte cell fate by blood vessels mediated by Notch signalling Nat Commun 2016;7:12597

Gargani L, Sicari R, Raciti M, Serasini L, Passera M, Torino C, Letachowicz K, Ekart R, Fliser D, Covic A, Balafa O, Stavroulopoulos A, Massy ZA, Fiaccadori E, Caiazza A, Bachelet T, Slotki I, Shavit L, Martinez-Castelao A, Coudert-Krier MJ, Rossignol P, Kraemer TD, Hannedouche T, Panichi V, Wiecek A, Pontoriero G, Sarafidis P, Klinger M, Hojs R, Seiler-Mussler S, Lizzi F, Onofriescu M, Zarzoulas F, Tripepi R, Mal-lamaci F, Tripepi G, Picano E, London GM, Zoccali C. Efficacy of a remote web-based lung ultrasound training for nephrologists and cardiologists: a LUST trial sub-project Nephrol Dial Transplant 2016;31(12):1982-1988

Gee HY, Sadowski CE, Aggarwal PK, Porath JD, Yakulov TA, Schueler M, Lovric S, Ashraf S, Braun DA, Halbritter J, Fang H, Airik R, Vega-Warner V, Cho KJ, Chan TA, Morris LG, ffrench-Constant C, Allen N, McNeill H, Büscher R, Kyrieleis H, Wallot M, Gaspert A, Kistler T, Milford DV, Saleem MA, Keng WT, Alexander SI, Valentini RP, Licht C, Teh JC, Bogdanovic R, Koziell A, Bierzynska A, Soliman NA, Otto EA, Lifton RP, Holzman LB, Sibbinga NE, Walz G, Tufro A, Hildebrandt F. FAT1 mutations cause a glomerulotubular nephropathy Nat Commun 2016;7:10822

Ghosh CC, David S, Zhang R, Berghelli A, Milam K, Higgins SJ, Hunter J, Mukherjee A, Wei Y, Tran M, Suber F, Kobzik L, Kain KC, Lu S, Santel A, Yano K, Guha P, Dumont DJ, Christiani DC, Parikh SM. Gene control of tyrosine kinase TIE2 and vascular manifestations of infections Proc Natl Acad Sci U S A 2016;113(9):2472-2477

Goodship TH, Cook HT, Fakhouri F, Fervenza FC, Frémeaux-Bacchi V, Kavanagh D, Nester CM, Noris M, Pickering MC, Rodríguez de Córdoba S, Roumenina LT, Sethi S, Smith RJ, Conference Participants. Atypical hemolytic uremic syndrome and C3 glomerulopathy: conclusions from a "Kidney Disease: Improving Global Outcomes" (KDIGO) Controversies Conference Kidney Int 2017;91(3):539-551

Grosse GM, Schulz-Schaeffer WJ, Teebken OE, Schuppner R, Dirks M, Worthmann H, Lichtenhagen R, Maye G, Limbourg FP, Weissenborn K. Monocyte Subsets and Related Chemokines in Carotid Artery Stenosis and Ischemic Stroke. Int J Mol Sci 2016;17(4):E433

Haller H, Bertram A, Nadrowitz F, Menne J. Monocyte chemoattractant protein-1 and the kidney Curr Opin Nephrol Hypertens 2016;25(1):42-49

Haller H, Bertram A, Stahl K, Menne J. Finerenone: a New Mineralocorticoid Receptor Antagonist Without Hyperkalemia: an Opportunity in Patients with CKD? Curr Hypertens Rep 2016;18(5):41

Helmke A, von Vietinghoff S. Extracellular vesicles as mediators of vascular inflammation in kidney disease World J Nephrol 2016;5(2):125-138

Heusser K, Tank J, Brinkmann J, Menne J, Kaufeld J, Linnenweber-Held S, Beige J, Wilhelm M, Diedrich A, Haller H, Jordan J. Acute Response to Unilateral Unipolar Electrical Carotid Sinus Stimulation in Patients With Resistant Arterial Hypertension. Hypertension 2016;67(3):585-591

Hueper K, Gutberlet M, Bräsen JH, Jang MS, Thorenz A, Chen R, Hertel B, Barrmeyer A, Schmidbauer M, Meier M, von Vietinghoff S, Khalifa A, Hartung D, Haller H, Wacker F, Rong S, Gueler F. Multiparametric Functional MRI: Non-Invasive Imaging of Inflammation and Edema Formation after Kidney Transplantation in Mice. PLoS One 2016;11(9):e0162705

Hueper K, Khalifa AA, Bräsen JH, Vo Chieu VD, Gutberlet M, Wintterle S, Lehner F, Richter N, Peperhove M, Tewes S, Weber K, Haller H, Wacker F, Gwinner W, Gueler F, Hartung D. Diffusion-Weighted imaging and diffusion tensor imaging detect delayed graft function and correlate with allograft fibrosis in patients early after kidney transplantation. *J Magn Reson Imaging* 2016;44(1):112-121

Juurlink DN, Gosselin S, Kielstein JT, Ghannoum M, Lavergne V, Nolin TD, Hoffman RS, EXTRIP Workgroup. Extracorporeal Treatment for Salicylate Poisoning: Systematic Review and Recommendations From the EXTRIP Workgroup. *Ann Emerg Med* 2015;66(2):165-181

Kielstein H, Suntharalingam M, Perthel R, Song R, Schneider SM, Martens-Lobenhoffer J, Jäger K, Bode-Böger SM, Kielstein JT. Role of the endogenous nitric oxide inhibitor asymmetric dimethylarginine (ADMA) and brain-derived neurotrophic factor (BDNF) in depression and behavioural changes: clinical and preclinical data in chronic kidney disease. *Nephrol Dial Transplant* 2015;30(10):1699-1705

Kielstein JT, Schmidt JJ. Ceftolozane-tazobactam versus levofloxacin in urinary tract infection. *Lancet* 2015;386(10000):1241

Kitow J, Derda AA, Beermann J, Kumarswamy R, Pfanne A, Fendrich J, Lorenzen JM, Xiao K, Bavendiek U, Bauersachs J, Thum T. Mitochondrial long noncoding RNAs as blood based biomarkers for cardiac remodeling in patients with hypertrophic cardiomyopathy. *Am J Physiol Heart Circ Physiol* 2016;311(3):H707-12

Korstanje R, Deutsch K, Bolanos-Palmieri P, Hanke N, Schroder P, Staggs L, Bräsen JH, Roberts IS, Sheehan S, Savage H, Haller H, Schiffer M. Loss of Kynurenine 3-Mono-oxygenase Causes Proteinuria. *J Am Soc Nephrol* 2016;27(11):3271-3277

Kotimaa J, Klar-Mohammad N, Gueler F, Schilders G, Jansen A, Rutjes H, Daha MR, van Kooten C. Sex matters: Systemic complement activity of female C57BL/6J and BALB/cJ mice is limited by serum terminal pathway components. *Mol Immunol* 2016;76:13-21

Laurence J, Haller H, Mannucci PM, Nangaku M, Praga M, Rodriguez de Cordoba S. Atypical hemolytic uremic syndrome (aHUS): essential aspects of an accurate diagnosis. *Clin Adv Hematol Oncol* 2016;14 Suppl 11(11):2-15

Lorenzen JM, Schauerte C, Kölling M, Hübner A, Knapp M, Haller H, Thum T. Long Noncoding RNAs in Urine Are Detectable and May Enable Early Detection of Acute T Cell-Mediated Rejection of Renal Allografts. *Clin Chem* 2015;61(12):1505-1514

Lovric S, Ashraf S, Tan W, Hildebrandt F. Genetic testing in steroid-resistant nephrotic syndrome: when and how? *Nephrol Dial Transplant* 2016;31(11):1802-1813

Menne J, Eulberg D, Beyer D, Baumann M, Saudek F, Valkusz Z, Więcek A, Haller H, Emaptic Study Group. C-C motif-ligand 2 inhibition with emapticap pegol (NOX-E36) in type 2 diabetic patients with albuminuria. *Nephrol Dial Transplant* 2016;DOI: 10.1093/ndt/gfv459

Menne J, Wachter R. Interventionelle Hypertonietherapie : Update 2016. *Internist (Berl)* 2016;57(9):871-878

Menzel D, Haller H, Wilhelm M, Robenek H. L-Arginine and B vitamins improve endothelial function in subjects with mild to moderate blood pressure elevation. *Eur J Nutr* 2016;DOI: 10.1007/s00394-016-1342-6

Milatz S, Himmerkus N, Wulfmeyer VC, Drewell H, Mutig K, Hou J, Breiderhoff T, Müller D, Fromm M, Bleich M, Günzel D. Mosaic expression of claudins in thick ascending limbs of Henle results in spatial separation of paracellular Na<sup>+</sup> and Mg<sup>2+</sup> transport. *Proc Natl Acad Sci U S A* 2017;114(2):E219-E227

Müller-Deile J, Gellrich F, Schenk H, Schroder P, Nyström J, Lorenzen J, Haller H, Schiffer M. Overexpression of TGF-beta Inducible microRNA-143 in Zebrafish Leads to Impairment of the Glomerular Filtration Barrier by Targeting Proteoglycans. *Cell Physiol Biochem* 2016;40(5):819-830

Müller-Deile J, Teng B, Schenk H, Haller H, Reiser J, Sever S, Schiffer M. Drugs targeting dynamin can restore cytoskeleton and focal contact alterations of urinary podocytes derived from patients with nephrotic syndrome. *Ann Transl Med* 2016;4(21):439

Müller-Deile J, Teng B, Schenk H, Haller H, Reiser J, Sever S, Schiffer M. Drugs targeting dynamin can restore cytoskeleton and focal contact alterations of urinary podocytes derived from patients with nephrotic syndrome. *Ann Transl Med* 2016;4(21):439

Nakagawa A, Naito AT, Sumida T, Nomura S, Shibamoto M, Higo T, Okada K, Sakai T, Hashimoto A, Kuramoto Y, Oka T, Lee JK, Harada M, Ueda K, Shiojima I, Limbourg FP, Adams RH, Noda T, Sakata Y, Akazawa H, Komuro I. Activation of endothelial beta-catenin signaling induces heart failure. *Sci Rep* 2016;6:25009

Narayanaswamy PB, Tkachuk S, Haller H, Dumler I, Kiyan Y. CHK1 and RAD51 activation after DNA damage is regulated via urokinase receptor/TLR4 signaling. *Cell Death Dis* 2016;7(9):e2383

Olsson KM, Olle S, Fuge J, Welte T, Hoeper MM, Lerch C, Maegel L, Haller H, Jonigk D, Schiffer L. CXCL13 in idiopathic pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. *Respir Res* 2016;17:21

Plain A, Wulfmeyer VC, Milatz S, Klietz A, Hou J, Bleich M, Himmerkus N. Corticomедullary difference in the effects of dietary Ca(2)(+) on tight junction properties in thick ascending limbs of Henle's loop *Pflugers Arch* 2016;468(2):293-303

Ramasamy SK, Kusumbe AP, Schiller M, Zeuschner D, Bixel MG, Milia C, Gamrekeliashvili J, Limbourg A, Medvinsky A, Santoro MM, Limbourg FP, Adams RH. Blood flow controls bone vascular function and osteogenesis *Nat Commun* 2016;7:13601

Reising A, Hafer C, Hiss M, Kielstein JT, Menne J, Gueler F, Beneke J, Linnenweber-Held S, Haller H, Einecke G. Ultrasound findings in EHEC-associated hemolytic-uremic syndrome and their clinical relevance. *Int Urol Nephrol* 2016;48(4):561-570

Schiffer L, Krautzig S, Gerbig D, Bintaro P, Haller H, Schiffer M. Rehabilitation nach Nierentransplantation: Alte Probleme und neue Strukturen *Internist (Berl)* 2016;57(1):49-53

Schmidt JJ, Ramazan L, Bockemeyer C, Günter HH, Martens-Lobenhoffer J, Ganzenmüller T, Bode-Böger SM, Kielstein JT. Acute interstitial nephritis due to flecainide therapy in the 38(th) week of pregnancy. *BMC Nephrol* 2016;17:28

Schmieder RE, Bramlage P, Haller H, Ruilope LM, Böhm M, ROADMAP Investigators. The Effect of Resting Heart Rate on the New Onset of Microalbuminuria in Patients With Type 2 Diabetes: A Subanalysis of the ROADMAP Study. *Medicine (Baltimore)* 2016;95(15):e3122

Schneider SM, Kielstein JT, Braverman J, Novak M. Cognitive Function in Patients With Chronic Kidney Disease: Challenges in Neuropsychological Assessments. *Semin Nephrol* 2015;35(4):304-310

Schneider SM, Malecki AK, Müller K, Schönfeld R, Girndt M, Mohr P, Hiss M, Kielstein H, Jäger K, Kielstein JT. Effect of a single dialysis session on cognitive function in CKD5D patients: a prospective clinical study. *Nephrol Dial Transplant* 2015;30(9):1551-1559

Schrem H, Schneider V, Kurok M, Goldis A, Dreier M, Kaltenborn A, Gwinner W, Barthold M, Liebeneiner J, Winny M, Klempnauer J, Kleine M. Independent Pre-Transplant Recipient Cancer Risk Factors after Kidney Transplantation and the Utility of G-Chart Analysis for Clinical Process Control *PLoS One* 2016;11(7):e0158732

Schuppner R, Maehlmann J, Dirks M, Worthmann H, Tryc AB, Sandorski K, Bahlmann E, Kielstein JT, Giesemann AM, Lanfermann H, Weissenborn K. Neurological Sequelae in Adults After *E coli* O104: H4 Infection-Induced Hemolytic-Uremic Syndrome. *Medicine (Baltimore)* 2016;95(6):e2337

Sekula P, Li Y, Stanescu HC, Wuttke M, Ekici AB, Bockenhauer D, Walz G, Powis SH, Kielstein JT, Brenchley P, GCKD Investigators, Eckardt KU, Kronenberg F, Kleta R, Köttgen A. Genetic risk variants for membranous nephropathy: extension of and association with other chronic kidney disease aetiologies. *Nephrol Dial Transplant* 2017;32(2):325-332

Stoehr A, Hirt MN, Hansen A, Seiffert M, Conradi L, Uebeler J, Limbourg FP, Eschenhagen T. Spontaneous Formation of Extensive Vessel-Like Structures in Murine Engineered Heart Tissue *Tissue Eng Part A* 2016;22(3-4):326-335

Stueber T, Eberhardt MJ, Hadamitzky C, Jangra A, Schenk S, Dick F, Stoetzer C, Kistner K, Reeh PW, Binshtok AM, Leffler A. Quaternary Lidocaine Derivative QX-314 Activates and Permeates Human TRPV1 and TRPA1 to Produce Inhibition of Sodium Channels and Cytotoxicity. *Anesthesiology* 2016;124(5):1153-1165

Suhling H, Gottlieb J, Bara C, Taubert R, Jäckel E, Schiffer M, Bräsen JH. Chronische Abstossung: Unterschiede und Ähnlichkeiten bei verschiedenen soliden Organtransplantationen. *Internist (Berl)* 2016;57(1):25-37

Teng B, Schroder P, Müller-Deile J, Schenk H, Staggs L, Tossidou I, Dikic I, Haller H, Schiffer M. CIN85 Deficiency Prevents Nephrin Endocytosis and Proteinuria in Diabetes *Diabetes* 2016;65(12):3667-3679

Thamm K, Njau F, Van Slyke P, Dumont DJ, Park JK, Haller H, David S. Pharmacological Tie2 activation in kidney transplantation *World J Transplant* 2016;6(3):573-582

Torino C, Gargani L, Sicari R, Letachowicz K, Ekart R, Fliser D, Covic A, Siamopoulos K, Stavroulopoulos A, Massy ZA, Fiaccadori E, Caiazza A, Bachelet T, Slotki I, Martinez-Castelao A, Coudert-Krier MJ, Rossignol P, Gueler F, Hannoudouche T, Panichi V, Wiecek A, Pontoriero G, Sarafidis P, Klinger M, Hojs R, Seiler-Mussler S, Lizzi F, Siriopol D, Balafa O, Shavit L, Tripepi R, Mallamaci F, Tripepi G, Picano E, London GM, Zoccali C. The Agreement between Auscultation and Lung Ultrasound in Hemodialysis Patients: The LUST Study. *Clin J Am Soc Nephrol* 2016;11(11):2005-2011

Volkmann J, Nordlohne J, Schmitt R, von Vietinghoff S. A kidney-shaped polycystic mass on the back of a hemodialysis patient Clin Case Rep 2016;4(8):840-841

von Vietinghoff S. Vaskulitiden mit pulmonaler Beteiligung Pneumologie 2016;70(11):747-757

Wachter R, Halbach M, Bakris GL, Bisognano JD, Haller H, Beige J, Kroon AA, Nadim MK, Lovett EG, Schafer JE, de Leeuw PW. An exploratory propensity score matched comparison of second-generation and first-generation baroreflex activation therapy systems J Am Soc Hypertens 2017;11(2):81-91

Wang L, Balzer MS, Rong S, Menne J, von Vietinghoff S, Dong L, Gueler F, Jang MS, Xu G, Timrott K, Tkachuk S, Hiss M, Haller H, Shushakova N. Protein kinase C alpha inhibition prevents peritoneal damage in a mouse model of chronic peritoneal exposure to high-glucose dialysate. Kidney Int 2016;89(6):1253-1267

Zimmermann T, Pabst S, Bertram A, Schiffer M, de Zwaan M. Differences in emotional responses in living and deceased donor kidney transplant patients. Clin Kidney J 2016;9(3):503-509

### **Übersichtsarbeiten**

Cornberg M, Schlevogt B, Rademacher J, Schwarz A, Sandherr M, Maschmeyer G. Spezifische Infektionen bei Organtransplantationen. Internist (Berl) 2016;57(1):38-48

David S, Napp LC, Kühn C, Hoeper MM. Extrakorporale Membranoxygenierung : Prinzip und internistische Indikationen. Internist (Berl) 2016;57(9):856-863

Gwinner W, Metzger J, Husi H, Marx D. Proteomics for rejection diagnosis in renal transplant patients: Where are we now? World J Transplant 2016;6(1):28-41

Helmke A, von Vietinghoff S. Extracellular vesicles as mediators of vascular inflammation in kidney disease. World J Nephrol 2016;5(2):125-138

Limbourg FP, Haller H. Der Baroreflex: Funktion und therapeutischer Nutzen MMW Fortschr Med 2016;158(9):60-62

Lorenzen JM, Thum T. Long noncoding RNAs in kidney and cardiovascular diseases. Nat Rev Nephrol 2016;12(6):360-373

### **Letter**

Bertram A, Pabst S, Zimmermann T, Schiffer M, de Zwaan M. How can you be adherent if you don't know how? Transpl Int 2016;29(7):830-832

### **Case report**

Balzer MS, Eggers H, Heuser M, Reising A, Bertram A. Oxaliplatin pharmacokinetics on hemodialysis in a patient with diffuse large B cell lymphoma Ann Hematol 2016;95(4):649-650

Heusser K, Brinkmann J, Topalidis W, Menne J, Haller H, Berliner D, Luft FC, Tank J, Jordan J. Physiology Unmasks Hypertension. Hypertension 2016;68(2):252-256

### **Comments**

Thamm K, David S. Role of angiopoietin-2 in infection - A double-edged sword? Cytokine 2016;83:61-63

### **Editorial**

Gamrekelashvili J, Limbourg FP. Rules of attraction - Endothelial Notch signaling controls leukocyte homing in atherosclerosis via Vcam1 Cardiovasc Res 2016;DOI: 10.1093/cvr/cvw207

### **Abstracts**

Schauerte C, Hübner A, Rong S, Mengel M, Melk A, Haller H, Thum T, Lorenzen J. Translation of anti fibrotic microrna strategies into a mouse model of chronic allograft dysfunction. Nephrol Dial Transplant 2016;31(Suppl.1):i2

### **Promotionen**

Bintaro, Philip Raimund (Dr. med.): Die Rolle von Thrombomodulin bei diabetischer Nephropathie  
MHH-Signatur: D 80657

Manske, Stefanie (Dr. med.): Identifikation von Risikofaktoren für frühe kardiovaskuläre Schäden unter Berücksichtigung der Familienzugehörigkeit  
MHH-Signatur: D 80484

Narayanaswamy, Pavan Beleyur (PhD): Urokinase receptor in cancer and vascular aging role in intracellular proteolysis and DNA repair  
MHH-Signatur: D 80518

Scherer, Nico (Dr. med.): Renaler Widerstandsindex und Langzeitverlauf bei Patienten mit Nierenarterienstenose  
MHH-Signatur: D 80395

Stiehl, Thomas (Dr. med.): Lungen RNA-Interferenz gegen Angiopoietin-2 als neue Behandlungsmöglichkeit des septischen Multiorganversagens  
MHH-Signatur: D 80642

Tecklenburg, Johanna (Dr. med.): The effect of ANCA and ANCA-primed apoptotic neutrophils on human endothelial cells  
MHH-Signatur: D 80652

Thamm, Kristina (Dr. rer. nat. M.Sc. Biomedicine): Role of the Angiopoietin Tie2 system in endothelial dysfunction in sepsis  
MHH-Signatur: D 80186

Walacides, Daniel (Dr. med.): Die Rolle der Proteinkinase C Alpha beim akuten Nierenversagen im Mausmodell  
MHH-Signatur: D 80364

### **Masterarbeiten**

Brockkötter, Lukas M. (M.Sc.): The Role of TLR4 / uPAR interaction in microvascular inflammation found in Diabetes Mellitus

## **Klinik für Pneumologie – 6870**

### **Originalpublikationen**

Achelrod D, Welte T, Schreyögg J, Stargardt T. Costs and outcomes of the German disease management programme (DMP) for chronic obstructive pulmonary disease (COPD)-A large population-based cohort study. *Health Policy* 2016;120(9):1029-1039

Aggarwal N, Delgado BM, Salipalli S, Matamala N, Rademacher J, Schwerk N, Welte T, Janciauskienė S, Ringshausen FC. Why do some adults with PiMZ alpha1-antitrypsin develop bronchiectasis? *ERJ Open Res* 2016;2(2):00021-2016

Aggarwal N, Koepke J, Matamala N, Martinez-Delgado B, Martinez MT, Golpon H, Stolk J, Janciauskienė S, Koczulla R. Alpha-1 Antitrypsin Regulates Transcriptional Levels of Serine Proteases in Blood Mononuclear Cells. *Am J Respir Crit Care Med* 2016;193(9):1065-1067

Aggarwal N, Korenbaum E, Mahadeva R, Immenschuh S, Grau V, Dinarello CA, Welte T, Janciauskienė S. alpha-Linoleic acid enhances the capacity of alpha-1 antitrypsin to inhibit lipopolysaccharide-induced IL-1beta in human blood neutrophils. *Mol Med* 2016;22:DOI: 10.2119/molmed.2016.00119

Albrecht C, Ringshausen F, Ott S, Wagner D, Rademacher J, Schneider M, Welte T, Pletz MW. Should all adult cystic fibrosis patients with repeated nontuberculous mycobacteria cultures receive specific treatment? A 10-year case-control study. *Eur Respir J* 2016;47(5):1575-1577

Alberti S, Masefield S, Polverino E, De Soyza A, Loebinger MR, Menendez R, Ringshausen FC, Vendrell M, Powell P, Chalmers JD, EMBARC Study Group. Research priorities in bronchiectasis: a consensus statement from the EMBARC Clinical Research Collaboration. *Eur Respir J* 2016;48(3):632-647

Allers M, Langejuergen J, Gaida A, Holz O, Schuchardt S, Hohlfeld JM, Zimmermann S. Measurement of exhaled volatile organic compounds from patients with chronic obstructive pulmonary disease (COPD) using closed gas loop GC-IMS and GC-APCI-MS. *J Breath Res* 2016;10(2):026004

Bassetti M, Welte T, Wunderink RG. Treatment of Gram-negative pneumonia in the critical care setting: is the beta-lactam antibiotic backbone broken beyond repair? *Crit Care* 2016;20:19

Baumeler L, Papakonstantinou E, Milenkovic B, Lacoma A, Louis R, Aerts JG, Welte T, Kostikas K, Blasi F, Boersma W, Torres A, Rohde GG, Boeck L, Rakic J, Scherr A, Tamm M, Stolz D. Therapy with proton-pump inhibitors for gastroesophageal reflux disease does not reduce the risk for severe exacerbations in COPD. *Respirology* 2016;21(5):883-890

Behler-Janbeck F, Takano T, Maus R, Stolper J, Joniqk D, Tort Tarres M, Fuehner T, Prasse A, Welte T, Timmer MS, Stocker BL, Nakanishi Y, Miyamoto T, Yamasaki S, Maus UA. C-type Lectin Minicle Recognizes Glucosyl-diacylglycerol of *Streptococcus pneumoniae* and Plays a Protective Role in Pneumococcal Pneumonia. *PLoS Pathog* 2016;12(12):e1006038

Blanco I, Lipsker D, Lara B, Janciauskienė S. Neutrophilic panniculitis and autoinflammation: what's the link?: reply from authors. *Br J Dermatol* 2016;175(3):647-648

Boeck L, Soriano JB, Brusse-Keizer M, Blasi F, Kostikas K, Boersma W, Milenkovic B, Louis R, Lacoma A, Djamin R, Aerts J, Torres A, Rohde G, Welte T, Martinez-Cambor P, Rakic J, Scherr A, Koller M, van der Palen J, Marin JM, Alfageme I, Almagro P, Casanova C, Esteban C, Soler-Cataluna JJ, de-Torres JP, Miravitles M, Celli BR, Tamm M, Stolz D. Prognostic assessment in COPD without lung function: the B-AE-D indices. *Eur Respir J* 2016;47(6):1635-1644

Bonella F, Kreuter M, Hagemeyer L, Neurohr C, Keller C, Kohlhaeufl MJ, Müller-Quernheim J, Milger K, Prasse A, German Nintedanib Compassionate Use Consortium. Insights from the German Compassionate Use Program of Nintedanib for the Treatment of Idiopathic Pulmonary Fibrosis. *Respiration* 2016;92(2):98-106

Calverley PM, Könen-Bergmann M, Richard F, Bell S, Hohlfeld JM. Tiotropium Respimat((R)) Versus HandiHaler((R)): Comparison of Bronchodilator Efficacy of Various Doses in Clinical Trials. *Adv Ther* 2016;33(5):786-793

Carleo A, Bargagli E, Landi C, Bennett D, Bianchi L, Gagliardi A, Carnemolla C, Perari MG, Cillis G, Armini A, Bini L, Rottoli P. Comparative proteomic analysis of bronchoalveolar lavage of familial and sporadic cases of idiopathic pulmonary fibrosis. *J Breath Res* 2016;10(2):026007

Carleo A, Bennett D, Rottoli P. Biomarkers in sarcoidosis: the contribution of system biology. *Curr Opin Pulm Med* 2016;22(5):509-514

Chalmers JD, Alberti S, Polverino E, Vendrell M, Crichton M, Loebinger M, Dimakou K, Clifton I, van der Eerden M, Rohde G, Murris-Espin M, Masefield S, Gerada E, Shtenberg M, Ringshausen F, Haworth C, Boersma W, Rademacher J, Hill AT, Aksamit T, O'Donnell A, Morgan L, Milenkovic B, Tramma L, Neves J, Menendez R, Paggiaro P, Botnar V, Skrgat S, Wilson R, Goeminne P, De Soyza A, Welte T, Torres A, Elborn JS, Blasi F. The EMBARC European Bronchiectasis Registry: protocol for an international observational study. *ERJ Open Res* 2016;2(1):00081-2015

Cilloniz C, Torres A, Niederman M, van der Eerden M, Chalmers J, Welte T, Blasi F. Community-acquired pneumonia related to intracellular pathogens. *Intensive Care Med* 2016;42(9):1374-1386

Coghlan JG, Galie N, Barbera JA, Frost AE, Ghofrani HA, Hoeper MM, Kuwana M, McLaughlin VV, Peacock AJ, Simonneau G, Vachery JL, Blair C, Gillies H, Miller KL, Harris JH, Langley J, Rubin LJ, AMBITION investigators. Initial combination therapy with ambrisentan and tadalafil in connective tissue disease-associated pulmonary arterial hypertension (CTD-PAH): subgroup analysis from the AMBITION trial. *Ann Rheum Dis* 2016;DOI: 10.1136/annrheumdis-2016-210236

David S, Wiesner O. Das hypoxamische Lungenversagen. *Med Klin Intensivmed Notfmed* 2016;111(3):186-195

Delcroix M, Lang I, Pepke-Zaba J, Jansa P, D'Armini AM, Snijder R, Bresser P, Torbicki A, Mellemkjaer S, Lewczuk J, Simkova I, Barbera JA, de Perrot M, Hoeper MM, Gaine S, Speich R, Gomez-Sanchez MA, Kovacs G, Jais X, Ambroz D, Treacy C, Morsolini M, Jenkins D, Lindner J, Darteville P, Mayer E, Simonneau G. Long-Term Outcome of Patients With Chronic Thromboembolic Pulmonary Hypertension: Results From an International Prospective Registry. *Circulation* 2016;133(9):859-871

Ehlken N, Lichtblau M, Klose H, Weidenhammer J, Fischer C, Nechwatal R, Uiker S, Halank M, Olsson K, Seeger W, Gall H, Rosenkranz S, Wilkens H, Mertens D, Seyfarth HJ, Opitz C, Ulrich S, Egenlauf B, Grünig E. Exercise training improves peak oxygen consumption and haemodynamics in patients with severe pulmonary arterial hypertension and inoperable chronic thrombo-embolic pulmonary hypertension: a prospective, randomized, controlled trial. *Eur Heart J* 2016;37(1):35-44

Ferrarotti I, Corsico AG, Stolk J, Ottaviani S, Fumagalli M, Janciauskienė S, Iadarola P. Advances in Identifying Urine/Serum Biomarkers in Alpha-1 Antitrypsin Deficiency for More Personalized Future Treatment Strategies. *COPD* 2016;1-10

Fleischmann C, Thomas-Rueddel DO, Hartmann M, Hartog CS, Welte T, Heublein S, Dennler U, Reinhart K. Hospital Incidence and Mortality Rates of Sepsis. *Dtsch Arztebl Int* 2016;113(10):159-166

Forstner C, Rohde G, Rupp J, Schuette H, Ott SR, Hagel S, Harrison N, Thalhammer F, von Baum H, Suttorp N, Welte T, Pletz MW, CAP-NETZ Study Group. Community-acquired Haemophilus influenzae pneumonia--New insights from the CAPNETZ study. *J Infect* 2016;72(5):554-563

Fuehner T, Fuge J, Jung M, Buck A, Suhling H, Welte T, Gottlieb J, Greer M. Topical Nasal Anesthesia in Flexible Bronchoscopy--A Cross-Over Comparison between Two Devices. *PLoS One* 2016;11(3):e0150905

Fuehner T, Kuehn C, Welte T, Gottlieb J. ICU Care Before and After Lung Transplantation. *Chest* 2016;150(2):442-450

Gaida A, Holz O, Nell C, Schuchardt S, Lavae-Mokhtari B, Kruse L, Boas U, Langejuergen J, Allers M, Zimmermann S, Vogelmeier C, Koczulla AR, Hohlfeld JM. A dual center study to compare breath volatile organic compounds from smokers and non-smokers with and without COPD. *J Breath Res* 2016;10(2):026006

Galie N, Humbert M, Vachiery JL, Gibbs S, Lang I, Torbicki A, Simonneau G, Peacock A, Vonk Noordegraaf A, Beghetti M, Ghofrani A, Gomez Sanchez MA, Hansmann G, Klepetko W, Lancellotti P, Matucci M, McDonagh T, Pierard LA, Trindade PT, Zompatori M, Hoeper M. 2015 ESC/ERS Guidelines for the Diagnosis and Treatment of Pulmonary Hypertension. *Rev Esp Cardiol (Engl Ed)* 2016;69(2):177

Glanville AR, Hoeper MM. Don't Let (DI)CO Be Misunderstood. *Am J Respir Crit Care Med* 2016;193(11):1200-1201

Gottlieb J, Gwinner W, Strassburg CP. Allokationssysteme in der Transplantationsmedizin: Vor- und Nachteile. *Internist (Berl)* 2016;57(1):15-24

Greer M, Riise GC, Hansson L, Perch M, Hämmänen P, Roux A, Hirschi S, Lhuillier E, Reynaud-Gaubert M, Philit F, Claustre J, Stern M, Gottlieb J, Holm AM. Dichotomy in pulmonary graft-versus-host disease evident among allogeneic stem-cell transplant recipients undergoing lung transplantation. *Eur Respir J* 2016;48(6):1807-1810

Gren ST, Janciauskiene S, Sandeep S, Jonigk D, Kvist PH, Gerwien JG, Hakansson K, Grip O. The protease inhibitor cystatin C down-regulates the release of IL-beta and TNF-alpha in lipopolysaccharide activated monocytes. *J Leukoc Biol* 2016;100(4):811-822

Greulich T, Nell C, Hohmann D, Grebe M, Janciauskiene S, Koczulla AR, Vogelmeier CF. The prevalence of diagnosed alpha1-antitrypsin deficiency and its comorbidities: results from a large population-based database *Eur Respir J* 2017;49:1600154

Grünig E, Benjamin N, Krüger U, Kaemmerer H, Harutyunova S, Olsson KM, Ulrich S, Gerhardt F, Neurohr C, Sablotzki A, Halank M, Kabitz HJ, Thimm G, Fliegel KG, Klose H. Allgemeine und supportive Therapie der pulmonal arteriellen Hypertonie: Empfehlungen der Kölner Konsensus Konferenz 2016 *Dtsch Med Wochenschr* 2016;141(S 01):S26-S32

Gundlach E, Hoffmann MM, Prasse A, Heinzelmann S, Ness T. Interleukin-2 Receptor and Angiotensin-Converting Enzyme as Markers for Ocular Sarcoidosis. *PLoS One* 2016;11(1):e0147258

Hinrichs JB, Renne J, Hoeper MM, Olsson KM, Wacker FK, Meyer BC. Balloon pulmonary angioplasty: applicability of C-Arm CT for procedure guidance. *Eur Radiol* 2016;26(11):4064-4071

Hinrichs JB, von Falck C, Hoeper MM, Olsson KM, Wacker FK, Meyer BC, Renne J. Pulmonary Artery Imaging in Patients with Chronic Thromboembolic Pulmonary Hypertension: Comparison of Cone-Beam CT and 64-Row Multidetector CT. *J Vasc Interv Radiol* 2016;27(3):361-368.e2

Hinrichs JB, Werncke T, Kaireit T, Hoeper MM, Olsson KM, Kamp JC, Wacker FK, Bengel F, von Falck C, Schatka I, Meyer BC. Chronisch thromboembolische pulmonale Hypertonie: Diagnostischer Zusatznutzen der pulmonalarteriellen C-Arm-CT bei Patienten mit positivem V/Q SPECT. *Röfo* 2017;189(1):49-56

Hoeper MM, Apitz C, Grünig E, Halank M, Ewert R, Kaemmerer H, Kabitz HJ, Kähler C, Klose H, Leuchte H, Ulrich S, Olsson KM, Distler O, Rosenkranz S, Ghofrani HA. Gezielte Therapie der pulmonal arteriellen Hypertonie: Empfehlungen der Kölner Konsensuskonferenz 2016 *Dtsch Med Wochenschr* 2016;141(S 01):S33-S41

Hoeper MM, Humbert M, Souza R, Idrees M, Kawut SM, Sliwa-Hahnle K, Jing ZC, Gibbs JS. A global view of pulmonary hypertension. *Lancet Respir Med* 2016;4(4):306-322

Hoeper MM, Lam CS, Vachiery JL, Bauersachs J, Gerges C, Lang IM, Bonderman D, Olsson KM, Gibbs JS, Dorfmuller P, Guazzi M, Galie N, Manes A, Handoko ML, Vonk-Noordegraaf A, Lankeit M, Konstantinides S, Wachter R, Opitz C, Rosenkranz S. Pulmonary hypertension in heart failure with preserved ejection fraction: a plea for proper phenotyping and further researchdagger. *Eur Heart J* 2016:DOI: 10.1093/eurheartj/ehw597

Hoeper MM, McLaughlin VV, Dalaan AM, Satoh T, Galie N. Treatment of pulmonary hypertension. *Lancet Respir Med* 2016;4(4):323-336

Hoeper MM, Meyer K, Rademacher J, Fuge J, Welte T, Olsson KM. Diffusion Capacity and Mortality in Patients With Pulmonary Hypertension Due to Heart Failure With Preserved Ejection Fraction. *JACC Heart Fail* 2016;4(6):441-449

Hoeper MM. Combination or monotherapy for pulmonary arterial hypertension? *Lancet Respir Med* 2016;4(4):247-249

Houben-Wilke S, Jörres RA, Bals R, Franssen FM, Gläser S, Holle R, Karch A, Koch A, Magnussen H, Obst A, Schulz H, Spruit MA, Wacker ME, Welte T, Wouters EF, Vogelmeier C, Watz H. Peripheral Artery Disease and its Clinical Relevance in Patients with COPD in the COSYCONET Study. *Am J Respir Crit Care Med* 2017;195(2):189-197

Izykowski N, Kuehnel M, Hussein K, Mitschke K, Gunn M, Janciauskiene S, Haverich A, Warnecke G, Laenger F, Maus U, Jonigk D. Organizing pneumonia in mice and men. *J Transl Med* 2016;14(1):169

Janciauskiene S, Welte T. Well-Known and Less Well-Known Functions of Alpha-1 Antitrypsin. Its Role in Chronic Obstructive Pulmonary Disease and Other Disease Developments. *Ann Am Thorac Soc* 2016;13 Suppl 4:S280-S288

Jarosch I, Gehlert S, Jacko D, Koczulla RA, Wencker M, Welte T, Bloch W, Janciauskiene S, Kenn K. Different Training-Induced Skeletal Muscle Adaptations in COPD Patients with and without Alpha-1 Antitrypsin Deficiency. *Respiration* 2016;92(5):339-347

Kammerl IE, Dann A, Mossina A, Brech D, Lukas C, Vosyka O, Nathan P, Conlon TM, Wagner DE, Overkleft HS, Prasse A, Rosas IO, Straub T, Krauss-Etschmann S, Königshoff M, Preissler G, Winter H, Lindner M, Hatz R, Behr J, Heinzelmann K, Yildirim AO, Noessner E, Eickelberg O, Meiners S. Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med* 2016;193(11):1230-1241

Karch A, Vogelmeier C, Welte T, Bals R, Kauczor HU, Biederer J, Heinrich J, Schulz H, Gläser S, Holle R, Watz H, Korn S, Adaskina N, Biertz F, Vogel C, Vestbo J, Wouters EF, Rabe KF, Söhler S, Koch A, Jörres RA, COSYCONET Study Group. The German COPD cohort COSYCONET: Aims, methods and descriptive analysis of the study population at baseline. *Respir Med* 2016;114:27-37

Kim NH, D'Armini AM, Grimminger F, Grünig E, Hoeper MM, Jansa P, Mayer E, Neurohr C, Simonneau G, Torbicki A, Wang C, Fritsch A, Davie N, Ghofrani HA. Haemodynamic effects of riociguat in inoperable/recurrent chronic thromboembolic pulmonary hypertension. *Heart* 2017;103(8):599-606

Kolditz M, Scherag A, Rohde G, Ewig S, Welte T, Pletz M, CAPNETZ Study Group. Comparison of the qSOFA and CRB-65 for risk prediction in patients with community-acquired pneumonia. *Intensive Care Med* 2016;42(12):2108-2110

Konstantinides SV, Barco S, Rosenkranz S, Lankeit M, Held M, Gerhardt F, Bruch L, Ewert R, Faehling M, Freise J, Ghofrani HA, Grünig E, Halank M, Heydenreich N, Hoeper MM, Leuchte HH, Mayer E, Meyer FJ, Neurohr C, Opitz C, Pinto A, Seyfarth HJ, Wachter R, Zäpf B, Wilkens H, Binder H, Wild PS. Late outcomes after acute pulmonary embolism: rationale and design of FOCUS, a prospective observational multicenter cohort study. *J Thromb Thrombolysis* 2016;42(4):600-609

Körner S, Bösel S, Wichmann K, Thau-Habermann N, Zapf A, Knippenberg S, Dengler R, Petri S. The Axon Guidance Protein Semaphorin 3A Is Increased in the Motor Cortex of Patients With Amyotrophic Lateral Sclerosis. *J Neuropathol Exp Neurol* 2016;DOI: 10.1093/jnen/nlw003

Lopez-Rodriguez E, Boden C, Echaide M, Perez-Gil J, Kolb M, Gauldie J, Maus UA, Ochs M, Knudsen L. Surfactant dysfunction during overexpression of TGF-beta1 precedes profibrotic lung remodeling in vivo. *Am J Physiol Lung Cell Mol Physiol* 2016;310(11):L1260-71

Lorenz J, Bals R, Ewert R, Jany B, Koczulla AR, Köhnlein T, Randerath WJ, Steinkamp G, Watz H, Welte T. Expertentreffen COPD: Personalisierte Therapie der COPD - Wunsch oder Wirklichkeit? *Pneumologie* 2016;70(10):638-650

Lueer K, Biller H, Casper A, Windt H, Mueller M, Badorek P, Haefner D, Framke T, Koch A, Ziehr H, Krug N, Koch W, Hohlfeld JM. Safety, efficacy and repeatability of a novel house dust mite allergen challenge technique in the Fraunhofer allergen challenge chamber. *Allergy* 2016;71(12):1693-1700

Nicolau DP, Dimopoulos G, Welte T, Luyt CE. Can we improve clinical outcomes in patients with pneumonia treated with antibiotics in the intensive care unit? *Expert Rev Respir Med* 2016;10(8):907-918

Olsson KM, Halank M, Egenlauf B, Fistera D, Gall H, Kaehler C, Kortmann K, Kramm T, Lichtblau M, Marra A, Nagel C, Sablotzki A, Seyfarth HJ, Schranz D, Ulrich S, Hoeper MM, Lange TJ. Dekompensierte Rechtsherzinsuffizienz, Intensiv- und Perioperativ-Management bei

Patienten mit pulmonaler Hypertonie: Empfehlungen der Kölner Konsensus Konferenz 2016 Dtsch Med Wochenschr 2016;141(S 01):S42-S47

Olsson KM, Olle S, Fuge J, Welte T, Hoeper MM, Lerch C, Maegel L, Haller H, Jonigk D, Schiffer L. CXCL13 in idiopathic pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respir Res 2016;17:21

Opitz CF, Hoeper MM, Gibbs JS, Kaemmerer H, Pepke-Zaba J, Coghlan JG, Scelsi L, D'Alto M, Olsson KM, Ulrich S, Scholtz W, Schulz U, Grünig E, Vizza CD, Staehler G, Bruch L, Huscher D, Pittrow D, Rosenkranz S. Pre-Capillary, Combined, and Post-Capillary Pulmonary Hypertension: A Pathophysiological Continuum. J Am Coll Cardiol 2016;68(4):368-378

Papakonstantinou E, Prasse A, Schacht V, Kapp A, Raap U. Pirfenidone-induced severe phototoxic reaction in a patient with idiopathic lung fibrosis. J Eur Acad Dermatol Venereol 2016;30(8):1354-1356

Pletz MW, Ewig S, Rohde G, Schuette H, Rupp J, Welte T, Suttorp N, Forstner C, CAPNETZ Study Group. Impact of pneumococcal vaccination in children on serotype distribution in adult community-acquired pneumonia using the serotype-specific multiplex urinary antigen detection assay. Vaccine 2016;34(20):2342-2348

Pletz MW, Kamradt T, Forstner C, Welte T. Were Antibody Titers the Right Parameter When Immunologically Comparing Pneumococcal Vaccines? Am J Respir Crit Care Med 2016;194(12):1447-1448

Pletz MW, Rohde GG, Welte T, Kolditz M, Ott S. Advances in the prevention, management, and treatment of community-acquired pneumonia. F1000Res 2016;5:10.12688/f1000research.7657.1

Prasse A. The Diagnosis, Differential Diagnosis, and Treatment of Sarcoidosis. Dtsch Arztebl Int 2016;113(33-34):565-574

Rademacher J, Ringshausen FC, Suhling H, Fuge J, Marsch G, Warnecke G, Haverich A, Welte T, Gottlieb J. Lung transplantation for non-cystic fibrosis bronchiectasis. Respir Med 2016;115:60-65

Rajagopal K, Hoeper MM. State of the Art: Bridging to lung transplantation using artificial organ support technologies. J Heart Lung Transplant 2016;35(12):1385-1398

Ringshausen FC, Wagner D, de Roux A, Diel R, Hohmann D, Hickstein L, Welte T, Rademacher J. Prevalence of Nontuberculous Mycobacterial Pulmonary Disease, Germany, 2009-2014. Emerg Infect Dis 2016;22(6):1102-1105

Rutten D, Verleden SE, Bijnens EM, Winckelmans E, Gottlieb J, Warnecke G, Meloni F, Morosini M, Van Der Bij W, Verschueren EA, Sommerwerck U, Weinreich G, Kamler M, Roman A, Gomez-Olles S, Berastegui C, Benden C, Holm AM, Iversen M, Schultz HH, Luijk B, Oudijk EJ, Kwakkel-van Erp JM, Jaksch P, Klepetko W, Kneidinger N, Neurohr C, Corris P, Fisher AJ, Lordan J, Meachery G, Piloni D, Van dermeulen E, Bellon H, Hoffmann B, Vienneau D, Hoek G, de Hoogh K, Nemery B, Verleden GM, Vos R, Nawrot TS, Vanaudenaerde BM. An association of particulate air pollution and traffic exposure with mortality after lung transplantation in Europe Eur Respir J 2017;49:1600484

Salman J, Ius F, Knoefel AK, Sommer W, Siemeni T, Kuehn C, Tudorache I, Avsar M, Nakagiri T, Preissler G, Hatz R, Greer M, Welte T, Haverich A, Warnecke G. Association of higher CD4+ CD25high CD127low , FoxP3+, and IL-2+ T cell frequencies early after lung transplantation with less chronic lung allograft dysfunction at two years. Am J Transplant 2017;17(6):1637-1648

Schmidt JJ, Bode-Böger SM, Wilhelmi M, Omar M, Martens-Lobenhoffer J, Welte T, Kielstein JT. Pharmacokinetics and total removal of fosfomycin in two patients undergoing intermittent haemodialysis and extended dialysis: prescription needs to avoid under-dosing. J Antimicrob Chemother 2016;71(9):2673-2674

Schnarch J, Prasse A, Vlachakis D, Schuchardt KL, Pechkovsky DV, Goldmann T, Gaede Kl, Müller-Quernheim J, Zissel G. Functional Toll-Like Receptor 9 Expression and CXCR3 Ligand Release in Pulmonary Sarcoidosis Am J Respir Cell Mol Biol 2016;55(5):749-757

Schnarch J, Prasse A, Vlachakis D, Schuchardt KL, Pechkovsky DV, Goldmann T, Gaede Kl, Müller-Quernheim J, Zissel G. Functional TLR9 Expression and CXCR3 Ligand Release in Pulmonary Sarcoidosis. Am J Respir Cell Mol Biol 2016;55(5):749-757

Schulz U, Solidoro P, Müller V, Szabo A, Gottlieb J, Wilkens H, Enseleit F. CMV Immunoglobulins for the Treatment of CMV Infections in Thoracic Transplant Recipients. Transplantation 2016;100 Suppl 3:S5-S10

Serpa Neto A, Schmidt M, Azevedo LC, Bein T, Brochard L, Beutel G, Combes A, Costa EL, Hodgson C, Lindskov C, Lubnow M, Lueck C, Michaels AJ, Paiva JA, Park M, Pesenti A, Pham T, Quintel M, Marco Ranieri V, Ried M, Roncon-Albuquerque R,Jr, Slutsky AS, Takeda S, Terragni PP, Vejen M, Weber-Carstens S, Welte T, Gama de Abreu M, Pelosi P, Schultz MJ, ReVA Research Network and the PROVE Net-

work Investigators. Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis : Mechanical ventilation during ECMO. *Intensive Care Med* 2016;42(11):1672-1684

Siemeni T, Knöfel AK, Madrahimov N, Sommer W, Avsar M, Salman J, Ius F, Frank N, Büchler G, Jonigk D, Jansson K, Maus U, Tudorache I, Falk CS, Haverich A, Warnecke G. In Vivo Development of Transplant Arteriosclerosis in Humanized Mice Reflects Alloantigen Recognition and Peripheral Treg Phenotype of Lung Transplant Recipients. *Am J Transplant* 2016;16(11):3150-3162

Simonneau G, D'Armini AM, Ghofrani HA, Grimminger F, Jansa P, Kim NH, Mayer E, Pulido T, Wang C, Colorado P, Fritsch A, Meier C, Nikkho S, Hoeper MM. Predictors of long-term outcomes in patients treated with riociguat for chronic thromboembolic pulmonary hypertension: data from the CHEST-2 open-label, randomised, long-term extension trial. *Lancet Respir Med* 2016;4(5):372-380

Simonneau G, Hoeper MM, McLaughlin V, Rubin L, Galie N. Future perspectives in pulmonary arterial hypertension. *Eur Respir Rev* 2016;25(142):381-389

Sole-Lleonart C, Rouby JJ, Chastre J, Poulakou G, Palmer LB, Blot S, Felton T, Bassetti M, Luyt CE, Pereira JM, Riera J, Welte T, Roberts JA, Rello J. Intratracheal Administration of Antimicrobial Agents in Mechanically Ventilated Adults: An International Survey on Delivery Practices and Safety. *Respir Care* 2016;61(8):1008-1014

Sommer W, Hallensleben M, Ius F, Kühn C, Tudorache I, Avsar M, Salman J, Siemeni T, Greer M, Gottlieb J, Boethig D, Blasczyk R, Haverich A, Warnecke G. Repeated human leukocyte antigen mismatches in lung re-transplantation. *Transpl Immunol* 2017;40:1-7

Stoltz D, Leeming DJ, Edfort Kristensen JH, Karsdal MA, Boersma W, Louis R, Milenkovic B, Kostikas K, Blasi F, Aerts J, Sand JM, Wouters EF, Rohde G, Prat C, Torres A, Welte T, Roth M, Papakonstantinou E, Tamm M. Systemic biomarkers of collagen and elastin turnover are associated with clinically relevant outcomes in COPD. *Chest* 2017;151(1):47-59

Strueber M, Warnecke G, Fuge J, Simon AR, Zhang R, Welte T, Haverich A, Gottlieb J. Everolimus versus mycophenolate mofetil de novo after lung transplantation - a prospective, randomized, open-label trial. *Am J Transplant* 2016;16(11):3171-3180

Subramanian DR, Gupta S, Burggraf D, Vom Silberberg SJ, Heimbeck I, Heiss-Neumann MS, Haeussinger K, Newby C, Hargadon B, Raj V, Singh D, Kolsum U, Hofer TP, Al-Shair K, Luetzen N, Prasse A, Müller-Quernheim J, Benea G, Leprotti S, Boschetto P, Gorecka D, Nowinski A, Oniszh K, Castell WZ, Hagen M, Barta I, Döme B, Strausz J, Greulich T, Vogelmeier C, Koczulla AR, Gut I, Hohlfeld J, Welte T, Lavae-Mokhtari M, Ziegler-Heitbrock L, Brightling C, Parr DG. Emphysema- and airway-dominant COPD phenotypes defined by standardised quantitative computed tomography. *Eur Respir J* 2016;48(1):92-103

Suhling H, Dettmer S, Greer M, Fuehner T, Avsar M, Haverich A, Welte T, Gottlieb J. Phenotyping Chronic Lung Allograft Dysfunction Using Body Plethysmography and Computed Tomography. *Am J Transplant* 2016;16(11):3163-3170

Suhling H, Gottlieb J, Bara C, Taubert R, Jäckel E, Schiffer M, Bräsen JH. Chronische Abstossung: Unterschiede und Ähnlichkeiten bei verschiedenen soliden Organtransplantationen. *Internist (Berl)* 2016;57(1):25-37

Suttorp N, Welte T, Marre R, Stenger S, Pletz M, Rupp J, Schütte H, Rohde G, CAPNETZ-Studiengruppe. CAPNETZ. Das Kompetenzzentrum für ambulant erworbene Pneumonie. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(4):475-481

Vachiery JL, Hoeper MM, Peacock AJ, Sitbon O, Cheli M, Church C, Olsson KM, Palazzini M, Waterhouse B, Langley J, Galie N. Ambrisentan use for pulmonary arterial hypertension in a post-authorization drug registry: The VOLIBRIS Tracking Study. *J Heart Lung Transplant* 2017;36(4):399-406

Vincent JL, Bassetti M, Francois B, Karam G, Chastre J, Torres A, Roberts JA, Taccone FS, Rello J, Calandra T, De Backer D, Welte T, Antonelli M. Advances in antibiotic therapy in the critically ill. *Crit Care* 2016;20(1):133

Vogl M, Warnecke G, Haverich A, Gottlieb J, Welte T, Hatz R, Hunger M, Leidl R, Lingner H, Behr J, Winter H, Schramm R, Zwissler B, Hagl C, Strobl N, Jaeger C, Preissler G. Lung transplantation in the spotlight: Reasons for high-cost procedures. *J Heart Lung Transplant* 2016;35(10):1227-1236

Waschki B, Kirsten AM, Holz O, Meyer T, Lichtenhagen R, Rabe KF, Magnussen H, Welte T, Watz H, Janciauskienė S. Angiopoietin-like protein 4 and cardiovascular function in COPD. *BMJ Open Respir Res* 2016;3(1):e000161

Welte T, Arnold F, Technau-Hafsi K, Neumann-Haefelin E, Wobser R, Zschiedrich S, Walz G, Kramer-Zucker A. Successful Management of Calciphylaxis in a Kidney Transplant Patient: Case Report. *Transplant Direct* 2016;2(4):e70

Welte T, Chapman KR, Magnussen H, Miravitles M. Current thinking and new paradigm for COPD. *Respir Med* 2016;112:126-127

Welte T, Kim IS, Tian L, Gao X, Wang H, Li J, Holdman XB, Herschkowitz JI, Pond A, Xie G, Kurley S, Nguyen T, Liao L, Dobrolecki LE, Pang L, Mo Q, Edwards DP, Huang S, Xin L, Xu J, Li Y, Lewis MT, Wang T, Westbrook TF, Rosen JM, Zhang XH. Erratum: Oncogenic mTOR signalling recruits myeloid-derived suppressor cells to promote tumour initiation. *Nat Cell Biol* 2016;18(7):822

Welte T, Kim IS, Tian L, Gao X, Wang H, Li J, Holdman XB, Herschkowitz JI, Pond A, Xie G, Kurley S, Nguyen T, Liao L, Dobrolecki LE, Pang L, Mo Q, Edwards DP, Huang S, Xin L, Xu J, Li Y, Lewis MT, Wang T, Westbrook TF, Rosen JM, Zhang XH. Oncogenic mTOR signalling recruits myeloid-derived suppressor cells to promote tumour initiation. *Nat Cell Biol* 2016;18(6):632-644

Welte T, Nitschmann S. Kardiovaskulaes Outcome bei Patienten mit COPD : Study to Understand Mortality and Morbidity (SUMMIT). *Internist (Berl)* 2016;57(11):1139-1141

Welte T, Rosen JM, Zhang XH. Fatal attraction: TICs and MDSCs. *Cell Cycle* 2016;15(19):2545-2546

Welte T, Salzberger B. Tuberkulose. Die Ruckkehr einer fast vergessenen Erkrankung. *Internist (Berl)* 2016;57(2):105-106

Welte T. Community-Acquired Pneumonia-an Underestimated Challenge. *Dtsch Arztebl Int* 2016;113(37):605-606

Welte T. Die schwere Pneumonie auf der Intensivstation. *Med Klin Intensivmed Notfmed* 2016;111(4):279-289

Welte T. Pneumococcal Conjugate Vaccine--Equally Effective for Everyone? *Dtsch Arztebl Int* 2016;113(9):137-138

Wilkens H, Konstantinides S, Lang I, Bunck AC, Gerges M, Gerhardt F, Grgic A, Grohé C, Guth S, Held M, Hinrichs J, Hoeper MM, Klepetko W, Kramm T, Krüger U, Lankeit M, Meyer BC, Olsson KM, Schäfers HJ, Schmidt M, Seyfarth HJ, Ulrich S, Wiedenroth CB, Mayer E. Chronisch thromboembolische pulmonale Hypertonie: Empfehlungen der Kölner Konsensus Konferenz 2016 *Dtsch Med Wochenschr* 2016;141(S 01):S62-S69

Wilson SJ, Ward JA, Sousa AR, Corfield J, Bansal AT, De Meulder B, Lefaudeux D, Auffray C, Loza MJ, Baribaud F, Fitch N, Sterk PJ, Chung KF, Gibeon D, Sun K, Guo YK, Adcock I, Djukanovic R, Dahlen B, Chanez P, Shaw D, Krug N, Hohlfeld J, Sandström T, Howarth PH, U-BIOPRED Study Group. Severe asthma exists despite suppressed tissue inflammation: findings of the U-BIOPRED study *Eur Respir J* 2016;48(5):1307-1319

### Übersichtsarbeiten

Berliner D, Schneider N, Welte T, Bauersachs J. The differential diagnosis of dyspnoea. *Dtsch Arztebl International* 2016;834-845

Cornberg M, Schlevogt B, Rademacher J, Schwarz A, Sandherr M, Maschmeyer G. Spezifische Infektionen bei Organtransplantationen. *Internist (Berl)* 2016;57(1):38-48

David S, Napp LC, Kühn C, Hoeper MM. Extrakorporale Membranoxygenierung : Prinzip und internistische Indikationen. *Internist (Berl)* 2016;57(9):856-863

### Letter

Hoeper MM, Galie N. Letter by Hoeper and Galie Regarding Article, "Hemodynamic, Functional, and Clinical Responses to Pulmonary Artery Denervation in Patients With Pulmonary Arterial Hypertension of Different Causes: Phase II Results From the Pulmonary Artery Denervation-1 Study". *Circ Cardiovasc Interv* 2016;9(1):e003422

Suhling H, Bollmann B, Gottlieb J. Nintedanib in restrictive chronic lung allograft dysfunction after lung transplantation. *J Heart Lung Transplant* 2016;35(7):939-940

### Case reports

Lueck C, Kuehn C, Hoeper MM, Ganser A, Eder M, Beutel G. Successful use of extracorporeal membrane oxygenation during induction chemotherapy in a patient with mediastinal tumor mass of a T lymphoblastic lymphoma. *Ann Hematol* 2016;95(10):1719-1721

Vondran FW, Schumacher C, Johanning K, Hartleben B, Knitsch W, Wiesner O, Jaeckel E, Manns MP, Klempnauer J, Bektas H, Lehner F. Application of the Liver Maximum Function Capacity Test in Acute Liver Failure: A Helpful Tool for Decision-Making in Liver Transplantation? *Case Rep Transplant* 2016;2016:7074636

### Comments

Welte T. New antibiotic development: the need versus the costs. *Lancet Infect Dis* 2016;16(4):386-387

## **Editorials**

Haller H, Manns MP, Welte T. Transplantation: Chancen und Grenzen. Internist (Berl) 2016;57(1):5-6

Hooper MM. Residual Pulmonary Hypertension After Pulmonary Endarterectomy: The Fog Is Clearing. Circulation 2016;133(18):1731-1733

Welte T. Acute exacerbation in COPD: we must do more. Eur Respir J 2016;47(1):14-15

Welte T. Beatmungstherapie - eine Erfolgsgeschichte. Med Klin Intensivmed Notfmed 2016;111(3):184-185

## **Abstract**

Ewig S, Hoffken G, Kern WV, Rohde G, Flick H, Krause R, Ott S, Bauer T, Dalhoff K, Gatermann S, Kolditz M, Kruger S, Lorenz J, Pletz M, de Roux A, Schaaf B, Schaberg T, Schutte H, Welte T. Behandlung von erwachsenen Patienten mit ambulant erworbbener Pneumonie und Prävention - Update 2016. Pneumologie 2016;70(3):151-200

Ringshausen FC, Rademacher J. Lungenerkrankung durch nichttuberkulöse Mykobakterien. Internist (Berl) 2016;57(2):142-152

## **Buchbeiträge, Monografien**

Gottlieb J, Sommerwerck U. Lungentransplantation bei seltenen Lungenerkrankungen . In: Kreuter M, Costabel U, Herth F, Kirsten D [Hrsg.]: Seltene Lungenerkrankungen. 1. Aufl. Berlin, Heidelberg: Springer, 2016. S. 63-71

## **sonstiges**

Arelin V, Schmidt JJ, Kayser N, Kühn-Velten WN, Suhling H, Eden G, Kielstein JT. Removal of methadone by extended dialysis using a high cut-off dialyzer: implications for the treatment of overdose and for pain management in patients undergoing light chain removal. Clin Nephrol 2016;85(6):353-357

## **Habilitationen**

Olsson, Karen Maria (PD Dr. med.): Besondere Aspekte der Versorgung von Patienten mit Pulmonaler Hypertonie  
MHH-Signatur: D 80198

## **Promotionen**

Arndt, Sara Karina (Dr. med.): Geschlechtsspezifische Unterschiede in der Diagnostik und Therapie bei Patienten mit obstruktivem Schlaf-Apnoe Syndrom : Ergebnisse einer prospektiven Verlaufsstudie  
MHH-Signatur: D 80600

Bodmann, Isabelle Monique Désirée (Dr. med.): Vibration response imaging (VRI) in lung transplant recipients  
MHH-Signatur: D 80379

Janciauskienė, Sabina (PhD M.Sc. Biochemistry): Studies on the relations between molecular forms and function of alpha1-antitrypsin  
MHH-Signatur: D 80519

Makait, Hannah (Dr. med.): Einfluss alveolarepithelialer TGF- $\beta$  Sekretion auf die Abwehrfunktion von Alveolarmakrophagen gegenüber Streptococcus pneumoniae  
MHH-Signatur: D 80455

Urbanski, Katharina (Dr. med.): Prävalenz der chronisch obstruktiven Lungenerkrankung (COPD) in Deutschland - Ergebnisse der BOLD Studie Hannover  
MHH-Signatur: D 80618

Zaidi, Selina (Dr. med.): Antibiotikaverordnungen bei Patienten mit Atemwegsinfektionen in hausärztlichen Praxen unter Berücksichtigung des Procalcitoninwertes als zusätzlichen Parameter  
MHH-Signatur: D 80441

# Zentrum Kinderheilkunde und Jugendmedizin

## Klinik für Pädiatrische Hämatologie und Onkologie – 6780

### Originalpublikationen

Abla O, Kutny MA, Testi AM, Feusner JH, Creutzig U, Gregory J, Jr, Gibson B, Leverger G, Ribeiro RC, Smith O, Locatelli F, Kaspers G. Management of relapsed and refractory childhood acute promyelocytic leukaemia: recommendations from an international expert panel Br J Haematol 2016;175(4):588-601

Alsadeq A, Fedders H, Vokuhl C, Belau NM, Zimmermann M, Wirbelauer T, Spielberg S, Vossen-Gajcy M, Cario G, Schrappe M, Schewe DM. The role of Zeta-chain-associated protein kinase in acute lymphoblastic leukemia infiltration into the central nervous system. Haematologica 2017;102(2):346-355

Bartholomae S, Gruhn B, Debatin KM, Zimmermann M, Creutzig U, Reinhardt D, Steinbach D. Coexpression of Multiple ABC-Transporters is Strongly Associated with Treatment Response in Childhood Acute Myeloid Leukemia Pediatr Blood Cancer 2016;63(2):242-247

Beier R, Sykora KW, Woessmann W, Maecker-Kolhoff B, Sauer M, Kreipe HH, Dörk-Bousset T, Kratz C, Lauten M. Allogeneic-matched sibling stem cell transplantation in a 13-year-old boy with ataxia telangiectasia and EBV-positive non-Hodgkin lymphoma. Bone Marrow Transplant 2016;51(9):1271-1274

Burkhardt B, Yavuz D, Zimmermann M, Schieferstein J, Kabickova E, Attarbaschi A, Lisfeld J, Reiter A, Makarova O, Worch J, Bonn BR, Damm-Welk C. Impact of Fc gamma-receptor polymorphisms on the response to rituximab treatment in children and adolescents with mature B cell lymphoma/leukemia Ann Hematol 2016;95(9):1503-1512

Cavé H, Caye A, Strullu M, Aladjidi N, Vignal C, Ferster A, Méchinaud F, Domenech C, Pierri F, Contet A, Cacheux V, Irving J, Kratz C, Clavel J, Verloes A. Acute lymphoblastic leukemia in the context of RASopathies Eur J Med Genet 2016;59(3):173-178

Creutzig U, Zimmermann M, Reinhardt D, Rasche M, von Neuhoff C, Alpermann T, Dworzak M, Perglerová K, Zemanova Z, Tchinda J, Bradtke J, Thiede C, Haferlach C. Changes in cytogenetics and molecular genetics in acute myeloid leukemia from childhood to adult age groups Cancer 2016;122(24):3821-3830

de Rooij JD, Masetti R, van den Heuvel-Eibrink MM, Cayuela JM, Trka J, Reinhardt D, Rasche M, Sonneveld E, Alonso TA, Fornerod M, Zimmermann M, Pigazzi M, Pieters R, Meshinchi S, Zwaan CM, Locatelli F. Recurrent abnormalities can be used for risk group stratification in pediatric AMKL: a retrospective intergroup study. Blood 2016;127(26):3424-3430

Grigull L, Lechner W, Petri S, Kollewe K, Dengler R, Mehmecke S, Schumacher U, Lücke T, Schneider-Gold C, Köhler C, Gütsches AK, Kortum X, Klawonn F. Diagnostic support for selected neuromuscular diseases using answer-pattern recognition and data mining techniques: a proof of concept multicenter prospective trial BMC Med Inform Decis Mak 2016;16:31

Hassler A, Bochennek K, Gilfert J, Perner C, Schöning S, Creutzig U, Reinhardt D, Lehrnbecher T. Infectious Complications in Children With Acute Myeloid Leukemia and Down Syndrome: Analysis of the Prospective Multicenter Trial AML-BFM 2004 Pediatr Blood Cancer 2016;63(6):1070-1074

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. Mol Ther 2016;24(7):1216-1226

Hungate EA, Vora SR, Gamazon ER, Moriyama T, Best T, Hulur I, Lee Y, Evans TJ, Ellinghaus E, Stanulla M, Rudant J, Orsi L, Clavel J, Milne E, Scott RJ, Pui CH, Cox NJ, Loh ML, Yang JJ, Skol AD, Onel K. A variant at 9p21.3 functionally implicates CDKN2B in paediatric B-cell precursor acute lymphoblastic leukaemia aetiology. Nat Commun 2016;7:10635

Jablonka A, Happel C, Grote U, Schleienvoigt BT, Hampel A, Dopfer C, Hansen G, Schmidt RE, Behrens GM. Measles, mumps, rubella, and varicella seroprevalence in refugees in Germany in 2015. Infection 2016;44(6):781-787

Kampers J, Orjuela-Grimm M, Schober T, Schulz TF, Stiefel M, Klein C, Körholz D, Mauz-Körholz C, Kreipe H, Beier R, Maecker-Kolhoff B. Classical Hodgkin lymphoma-type PTLD after solid organ transplantation in children: a report on 17 patients treated according to subsequent GPOH-HD treatment schedules Leuk Lymphoma 2017;58(3):633-638

Klein K, Haarman EG, de Haas V, Zwaan C, Creutzig U, Kaspers GL. Glucocorticoid-Induced Proliferation in Untreated Pediatric Acute Myeloid Leukemic Blasts Pediatr Blood Cancer 2016;63(8):1457-1460

Klemann C, Esquivel M, Magerus-Chatinet A, Lorenz MR, Fuchs I, Neveux N, Castelle M, Rohr J, Bettoni da Cunha C, Ebinger M, Kobbe R, Kremens B, Kollert F, Gambineri E, Lehmberg K, Seidel MG, Siepermann K, Voelker T, Schuster V, Goldacker S, Schwarz K, Speckmann C, Picard C, Fischer A, Rieux-Laucat F, Ehl S, Rensing-Ehl A, Neven B. Evolution of disease activity and biomarkers on and off rapamycin in 28 patients with autoimmune lymphoproliferative syndrome *Haematologica* 2017;102(2):e52-e56

Kontny U, Franzen S, Behrends U, Bührlen M, Christiansen H, Delecluse H, Eble M, Feuchtinger T, Gademann G, Granzen B, Kratz CP, Lassay L, Leuschner I, Mottaghy FM, Schmitt C, Staatz G, Timmermann B, Vorwerk P, Wilop S, Wolff HA, Mertens R. Diagnose und Behandlung des Nasopharynxkarzinoms bei Kindern und Jugendlichen - Empfehlungen der GPOH-NPC Studiengruppe. *Klin Padiatr* 2016;228(3):105-112

Kuci Z, Bönig H, Kreyenberg H, Bunos M, Jauch A, Janssen JW, Skific M, Michel K, Eising B, Lucchini G, Bakhtiar S, Greil J, Lang P, Basu O, von Luettichau I, Schulz A, Sykora KW, Jarisch A, Soerensen J, Salzmann-Manrique E, Seifried E, Klingebiel T, Bader P, Kuci S. Mesenchymal stromal cells from pooled mononuclear cells of multiple bone marrow donors as rescue therapy in pediatric severe steroid-refractory graft-versus-host disease: a multicenter survey. *Haematologica* 2016;101(8):985-994

Labenski V, Suerth JD, Barczak E, Heckl D, Levy C, Bernadin O, Charpentier E, Williams DA, Fehse B, Verhoeven E, Schambach A. Alpharetroviral self-inactivating vectors produced by a superinfection-resistant stable packaging cell line allow genetic modification of primary human T lymphocytes *Biomaterials* 2016;97:97-109

Lee J, Heckl D, Parekkadan B. Multiple genetically engineered humanized microenvironments in a single mouse. *Biomater Res* 2016;20:19

McComb S, Aguade-Gorgorio J, Harder L, Marovca B, Cario G, Eckert C, Schrappe M, Stanulla M, von Stackelberg A, Bourquin JP, Bornhauser BC. Activation of concurrent apoptosis and necroptosis by SMAC mimetics for the treatment of refractory and relapsed ALL. *Sci Transl Med* 2016;8(339):339ra70

Möricke A, Zimmermann M, Valsecchi MG, Stanulla M, Biondi A, Mann G, Locatelli F, Cazzaniga G, Niggli F, Aricò M, Bartram CR, Attarbaschi A, Silvestri D, Beier R, Basso G, Ratei R, Kulozik AE, Lo Nigro L, Kremens B, Greiner J, Parasole R, Harbott J, Caruso R, von Stackelberg A, Barisone E, Rössig C, Conter V, Schrappe M. Dexamethasone vs prednisone in induction treatment of pediatric ALL: results of the randomized trial AIEOP-BFM ALL 2000 *Blood* 2016;127(17):2101-2112

Morillo-Gutierrez B, Beier R, Rao K, Burroughs L, Schulz A, Ewins AM, Gibson B, Sedlacek P, Krol L, Strahm B, Zaidman I, Kalwak K, Talano JA, Woolfrey A, Fraser C, Meyts I, Müller I, Wachowiak J, Bernardo ME, Veys P, Sykora KW, Gennery AR, Slatter M. Treosulfan-based conditioning for allogeneic HSCT in children with chronic granulomatous disease: a multicenter experience. *Blood* 2016;128(3):440-448

Palmi C, Savino AM, Silvestri D, Bronzini I, Cario G, Paganin M, Buldini B, Galbiati M, Muckenthaler MU, Bugarin C, Della Mina P, Nagel S, Barisone E, Casale F, Locatelli F, Lo Nigro L, Micalizzi C, Parasole R, Pession A, Putti MC, Santoro N, Testi AM, Ziino O, Kulozik AE, Zimmermann M, Schrappe M, Villa A, Gaipa G, Basso G, Biondi A, Valsecchi MG, Stanulla M, Conter V, Te Kronnie G, Cazzaniga G. CRLF2 over-expression is a poor prognostic marker in children with high risk T-cell acute lymphoblastic leukemia *Oncotarget* 2016;7(37):59260-59272

Paustian L, Chao MM, Hanenberg H, Schindler D, Neitzel H, Kratz CP, Ebell W. Androgen therapy in Fanconi anemia: A retrospective analysis of 30 years in Germany *Pediatr Hematol Oncol* 2016;33(1):5-12

Preuner S, Peters C, Pötschger U, Daxberger H, Fritsch G, Geyeregger R, Schrauder A, von Stackelberg A, Schrappe M, Bader P, Ebll W, Eckert C, Lang P, Sykora KW, Schrum J, Kremens B, Ehrlert K, Albert MH, Meisel R, Lawitschka A, Mann G, Panzer-Grümayer R, Güngör T, Holter W, Strahm B, Gruhn B, Schulz A, Woessmann W, Lion T. Risk assessment of relapse by lineage-specific monitoring of chimerism in children undergoing allogeneic stem cell transplantation for acute lymphoblastic leukemia. *Haematologica* 2016;101(6):741-746

Priesner C, Esser R, Tischer S, Marburger M, Aleksandrova K, Maecker-Kolhoff B, Heuft HG, Goudeva L, Blasczyk R, Arseniev L, Köhl U, Eiz-Vesper B, Klöss S. Comparative Analysis of Clinical-Scale IFN-gamma-Positive T-Cell Enrichment Using Partially and Fully Integrated Platforms. *Front Immunol* 2016;7:393

Puram RV, Kowalczyk MS, de Boer CG, Schneider RK, Miller PG, McConkey M, Tothova Z, Tejero H, Heckl D, Järås M, Chen MC, Li H, Tamayo A, Cowley GS, Rozenblatt-Rosen O, Al-Shahrour F, Regev A, Ebert BL. Core Circadian Clock Genes Regulate Leukemia Stem Cells in AML. *Cell* 2016;165(2):303-316

Ripperger T, Tawana K, Kratz C, Schlegelberger B, Fitzgibbon J, Steinemann D. Clinical utility gene card for: Familial platelet disorder with associated myeloid malignancies *Eur J Hum Genet* 2016;24(8):DOI: 10.1038/ejhg.2015.278

Sauer MG, Herbst J, Diekmann U, Rudd CE, Kardinal C. SHP-1 acts as a key regulator of alloresponses by modulating LFA-1-mediated adhesion in primary murine T cells. *Mol Cell Biol* 2016;36(24):3113-3127

Sauer MG. Die Bedeutung der kranialen Bestrahlung als Bestandteil moderner Therapieprotokolle für das Überleben bei Kindern mit akuter lymphoblastischer Leukämie Strahlenther Onkol 2016;192(5):352-353

Scheer C, Kratz C, Witt O, Creutzig U, Reinhardt D, Klusmann JH. Hematologic Response to Vorinostat Treatment in Relapsed Myeloid Leukemia of Down Syndrome Pediatr Blood Cancer 2016;63(9):1677-1679

Schultze-Florey RE, Tischer S, Schwerk N, Heim A, Eiz-Vesper B, Maecker-Kolhoff B. Monitoring of adenovirus (ADV)-specific T cells in a boy with ADV pneumonia and disseminated disease after lung transplantation. Transpl Infect Dis 2016;18(5):756-760

Simeoni I, Stephens JC, Hu F, Deevi SV, Megy K, Bariana TK, Letaigne C, Schulman S, Sivapalaratnam S, Vries MJ, Westbury SK, Greene D, Papadia S, Alessi MC, Attwood AP, Ballmaier M, Baynam G, Bermejo E, Bertoli M, Bray PF, Bury L, Cattaneo M, Collins P, Daugherty LC, Favier R, French DL, Furie B, Gattens M, Germeshausen M, Ghevaert C, Goodeve AC, Guerrero JA, Hampshire DJ, Hart DP, Heemskerk JW, Henskens YM, Hill M, Hogg N, Jolley JD, Kahr WH, Kelly AM, Kerr R, Kostadima M, Kunishima S, Lambert MP, Liesner R, López JA, Mapeta RP, Mathias M, Millar CM, Nathwani A, Neerman-Arbezi M, Nurden AT, Nurden P, Othman M, Peerlinck K, Perry DJ, Poudel P, Reitsma P, Rondina MT, Smethurst PA, Stevenson W, Szkotak A, Tuna S, van Geet C, Whitehorn D, Wilcox DA, Zhang B, Revel-Vilk S, Gresele P, Bellissimo DB, Penkett CJ, Laffan MA, Mumford AD, Rondon A, Gomez K, Freson K, Ouwehand WH, Turro E. A high-throughput sequencing test for diagnosing inherited bleeding, thrombotic, and platelet disorders Blood 2016;127(23):2791-2803

Tamm R, Mägi R, Tremmel R, Winter S, Mihailov E, Smid A, Möricke A, Klein K, Schrappe M, Stanulla M, Houlston R, Weinshilboum R, Mlinaric Rascan I, Metspalu A, Milani L, Schwab M, Schaeffeler E. Polymorphic variation in TPMT is the principal determinant of TPMT phenotype: a meta-analysis of three genome-wide association studies. Clin Pharmacol Ther 2017;101(5):684-695

Tischer S, Geyeregger R, Kwoczek J, Heim A, Figueiredo C, Blasczyk R, Maecker-Kolhoff B, Eiz-Vesper B. Discovery of immunodominant T-cell epitopes reveals penton protein as a second immunodominant target in human adenovirus infection. J Transl Med 2016;14(1):286

Tramsen L, Salzmann-Manrique E, Bochennek K, Klingebiel T, Reinhardt D, Creutzig U, Sung L, Lehrnbecher T. Lack of Effectiveness of Neutropenic Diet and Social Restrictions as Anti-Infective Measures in Children With Acute Myeloid Leukemia: An Analysis of the AML-BFM 2004 Trial J Clin Oncol 2016;34(23):2776-2783

Verboon LJ, Obulkasim A, de Rooij JD, Katsman-Kuijpers JE, Sonneveld E, Baruchel A, Trka J, Reinhardt D, Pieters R, Cloos J, Kaspers GJ, Klusmann JH, Zwaan CM, Fornerod M, van den Heuvel-Eibrink MM. MicroRNA-106b~25 cluster is upregulated in relapsed MLL-rearranged pediatric acute myeloid leukemia. Oncotarget 2016;7(30):48412-48422

Vijayakrishnan J, Kumar R, Henrion MY, Moorman AV, Rachakonda PS, Hosen I, da Silva Filho MI, Holroyd A, Dobbins SE, Koehler R, Thomsen H, Irving JA, Allan JM, Lightfoot T, Roman E, Kinsey SE, Sheridan E, Thompson PD, Hoffmann P, Nöthen MM, Heilmann-Heimbach S, Jöckel KH, Greaves M, Harrison CJ, Bartram CR, Schrappe M, Stanulla M, Hemminki K, Houlston RS. A genome-wide association study identifies risk loci for childhood acute lymphoblastic leukemia at 10q26.13 and 12q23.1. Leukemia 2017;31(3):573-579

Vogt J, Wernstedt A, Ripperger T, Pabst B, Zschocke J, Kratz C, Wimmer K. PMS2 inactivation by a complex rearrangement involving an HERV retroelement and the inverted 100-kb dupilon on 7p22.1. Eur J Hum Genet 2016;24(11):1598-1604

Wimmer K, Beilken A, Nustedt R, Ripperger T, Lamottke B, Ure B, Steinmann D, Reineke-Plaass T, Lehmann U, Zschocke J, Valle L, Fauth C, Kratz CP. A novel germline POLE mutation causes an early onset cancer prone syndrome mimicking constitutional mismatch repair deficiency. Fam Cancer 2017;16(1):67-71

Włodarski MW, Hirabayashi S, Pastor V, Stary J, Hasle H, Masetti R, Dworzak M, Schmugge M, van den Heuvel-Eibrink M, Ussowicz M, De Moerloose B, Catala A, Smith OP, Sedlacek P, Lankester AC, Zecca M, Bordon V, Matthes-Martin S, Abrahamsson J, Kühl JS, Sykora KW, Albert MH, Przychodzien B, Maciejewski JP, Schwarz S, Gohring G, Schlegelberger B, Cseh A, Noellke P, Yoshimi A, Locatelli F, Baumann I, Strahm B, Niemeyer CM, EWOG-MDS. Prevalence, clinical characteristics, and prognosis of GATA2-related myelodysplastic syndromes in children and adolescents. Blood 2016;127(11):1387-97; quiz 1518

Worst BC, van Tilburg CM, Balasubramanian GP, Fiesel P, Witt R, Freitag A, Boudalil M, Previti C, Wolf S, Schmidt S, Chotewutmontri S, Bewerunge-Hudler M, Schick M, Schlesner M, Hutter B, Taylor L, Borst T, Sutter C, Bartram CR, Milde T, Pfaff E, Kulozik AE, von Stackelberg A, Meisel R, Borkhardt A, Reinhardt D, Klusmann JH, Fleischhacker G, Tippelt S, Dirksen U, Jürgens H, Kramm CM, von Bueren AO, Westermann F, Fischer M, Burkhardt B, Wößmann W, Nathrath M, Bielack SS, Frühwald MC, Fulda S, Klingebiel T, Koscielniak E, Schwab M, Tremmel R, Driever PH, Schulte JH, Brors B, von Deimling A, Lichter P, Eggert A, Capper D, Pfister SM, Jones DT, Witt O. Next-generation personalised medicine for high-risk paediatric cancer patients - The INFORM pilot study. Eur J Cancer 2016;65:91-101

Yang D, Yuan Q, Balakrishnan A, Bantel H, Klusmann JH, Manns MP, Ott M, Cantz T, Sharma AD. MicroRNA-125b-5p mimic inhibits acute liver failure. Nat Commun 2016;7:1916

Zaliova M, Moorman AV, Cazzaniga G, Stanulla M, Harvey RC, Roberts KG, Heatley SL, Loh ML, Konopleva M, Chen IM, Zimmermannova O, Schwab C, Smith O, Mozziconacci MJ, Chabannon C, Kim M, Frederik Falkenburg JH, Norton A, Marshall K, Haas OA, Starkova J, Stuchly J, Hunger SP, White D, Mullighan CG, Willman CL, Stary J, Trka J, Zuna J. Characterization of leukemias with ETV6-ABL1 fusion. *Haematologica* 2016;101(9):1082-1093

Zuna J, Moericke A, Arens M, Koehler R, Panzer-Grümayer R, Bartram CR, Fischer S, Fronkova E, Zaliova M, Schrauder A, Stanulla M, Zimmermann M, Trka J, Stary J, Attarbaschi A, Mann G, Schrappe M, Cario G. Implications of delayed bone marrow aspirations at the end of treatment induction for risk stratification and outcome in children with acute lymphoblastic leukaemia *Br J Haematol* 2016;173(5):742-748

#### **Case reports**

Grünwald V, Länger F, Raatschen HJ, Beilken A. Proof of principle for bevacizumab activity in desmoid-type fibromatosis. *Clin Sarcoma Res* 2016;6:5

#### **Buchbeiträge, Monografien**

Creutzig U, Dworzak D, Reinhardt D. Akute myeloische Leukämie (AML) im Kindesalter. In: Wirth S [Hrsg.]: Leitlinien Kinder- und Jugendmedizin. München: Urban & Fischer, 2016. (Erg.Lfg. 33). S. 1-12

Escherich G, Schrampe M, Creutzig U. Akute lymphatische Leukämie (ALL) im Kindesalter. In: Wirth S [Hrsg.]: Leitlinien Kinder- und Jugendmedizin. München: Urban & Fischer, 2016. (Erg.Lfg. 33). S. 11

Grigull L. Huckepack durch die Kinderonkologie. Berlin, Heidelberg: Springer, 2016. XIV, 166 S.

#### **Promotionen**

Engeland, Felix Friedrich Karl (Dr. med.): Funktion und therapeutische Relevanz von microRNAs in kindlichen Akuten Myeloischen Leukämien (AML)

MHH-Signatur: D 80454

Jammal, Razan (Dr. rer. nat. M.Sc. Biology): The miR-193 family reduces leukemic proliferation through interference with the Raf-MEK-ERK pathway a pan tumor suppressor in pediatric acute myeloid leukemia

MHH-Signatur: D 80531

Keihani, Sarva (PhD M.Sc.): Members of the miR-99100~125 tricistrons cooperatively induce a pre-leukemic myeloproliferative disorder

MHH-Signatur: D 80520

Mücke, Urs (Dr. med.): Entwicklung und Untersuchung der Einsatzfähigkeit fragebogenbasierter Data Mining Verfahren in der Diagnostik ausgesuchter Immundefekte im Kindesalter

MHH-Signatur: D 80612

Schröder, Jiong (Dr. med.): Klinische Charakterisierung, Therapie und Verlauf von 80 Kindern mit Immunthrombozytopenie an der Klinik für Pädiatrische Hämatologie und Onkologie der MHH eine retrospektive Studie

MHH-Signatur: D 80384

## **Klinik für Pädiatrische Kardiologie und Päd. Intensivmedizin – 6730**

#### **Originalpublikationen**

Apitz C, Hansmann G, Schranz D. Hemodynamic assessment and acute pulmonary vasoreactivity testing in the evaluation of children with pulmonary vascular disease. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii23-9

Bobylev D, Sarikouch S, Meschenmoser L, Hohmann D, Beerbaum P, Horke A. Uncommon Case of Intrapericardial Nontyphoidal Salmonella Infection in a Preterm Baby Presenting As a Cardiac Tumor. *Ann Thorac Surg* 2016;101(4):1577-1580

Boehne M, Baustert M, Paetzel V, Boethig D, Köditz H, Dennhardt N, Beerbaum P, Bertram H. Feasibility and Accuracy of Cardiac Right-to-Left-Shunt Detection in Children by New Transpulmonary Ultrasound Dilution Method. *Pediatr Cardiol* 2017;38(1):135-148

Boehne M, Sasse M, Karch A, Dziuba F, Horke A, Kaussen T, Mikolajczyk R, Beerbaum P, Jack T. Systemic inflammatory response syndrome after pediatric congenital heart surgery: Incidence, risk factors, and clinical outcome *J Card Surg* 2017;32(2):116-125

Calvier L, Legchenko E, Grimm L, Sallmon H, Hatch A, Plouffe BD, Schroeder C, Bauersachs J, Murthy SK, Hansmann G. Galectin-3 and aldosterone as potential tandem biomarkers in pulmonary arterial hypertension. *Heart* 2016;102(5):390-396

Dennhardt N, Beck C, Huber D, Sander B, Boehne M, Boethig D, Leffler A, Sümpelmann R. Optimized preoperative fasting times decrease ketone body concentration and stabilize mean arterial blood pressure during induction of anesthesia in children younger than 36 months: a prospective observational cohort study. *Paediatr Anaesth* 2016;26(8):838-843

Geerdink LM, du Marchie Sarvaas GJ, Kuipers IM, Helbing WA, Delhaas T, Ter Heide H, Rozendaal L, de Korte CL, Singh SK, Ebels T, Hazekamp MG, Haas F, Bogers AJ, Kapusta L. Surgical outcome in pediatric patients with Ebstein's anomaly: A multicenter, long-term study. *Congenit Heart Dis* 2017;12(1):32-39

Haarbrandt B, Jack T, Marschollek M. Automated Transformation of openEHR Data Instances to OWL Stud Health Technol Inform 2016;223:63-70

Haas NA, Happel CM, Soetemann DB, Hanslik A, Moysich A, Kececioglu D, Laser KT. Optimal septum alignment of the Figulla Flex occluder to the atrial septum in patients with secundum atrial septal defects. *EuroIntervention* 2016;11(10):1153-1160

Haas NA, Kock L, Bertram H, Boekenkamp R, De Wolf D, Ditkivskyy I, Freund MW, Gewillig M, Happel CM, Herberg U, Karthasyan E, Kozlik-Feldmann R, Kretschmar O, Kuzmenko Y, Milanesi O, Mueller G, Pongiglione G, Schubert S, Tarusinov G, Kampmann C. Interventional VSD-Closure with the Nit-Occlud(R) Le VSD-Coil in 110 Patients: Early and Midterm Results of the EUREVECO-Registry. *Pediatr Cardiol* 2017;38(2):215-227

Haas NA, Soetemann DB, Ates I, Baspinar O, Ditkivskyy I, Duke C, Godart F, Lorber A, Oliveira E, Onorato E, Pac F, Promphan W, Riede FT, Roymance S, Sabiniewicz R, Shebani SO, Sievert H, Tin D, Happel CM. Closure of Secundum Atrial Septal Defects by Using the Occlutech Occluder Devices in More Than 1300 Patients: The IRFACODE Project: A Retrospective Case Series. *Catheter Cardiovasc Interv* 2016;88(4):571-581

Hansmann G, Apitz C, Abdul-Khalil H, Alastalo TP, Beerbaum P, Bonnet D, Dubowy KO, Gorenflo M, Hager A, Hilgendorff A, Kaestner M, Koestenberger M, Koskenvuo JW, Kozlik-Feldmann R, Kuehne T, Lammers AE, Latus H, Michel-Behnke I, Miera O, Moledina S, Muthurangu V, Pattathu J, Schranz D, Warnecke G, Zartner P. Executive summary. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii86-100

Hansmann G, Apitz C. Treatment of children with pulmonary hypertension. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii67-85

Hilgendorff A, Apitz C, Bonnet D, Hansmann G. Pulmonary hypertension associated with acute or chronic lung diseases in the preterm and term neonate and infant. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii49-56

Kaestner M, Schranz D, Warnecke G, Apitz C, Hansmann G, Miera O. Pulmonary hypertension in the intensive care unit. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii57-66

Koestenberger M, Apitz C, Abdul-Khalil H, Hansmann G. Transthoracic echocardiography for the evaluation of children and adolescents with suspected or confirmed pulmonary hypertension. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii14-22

Koestenberger M, Avian A, Grangl G, Burmas A, Kurath-Koller S, Hansmann G. Right ventricular outflow tract velocity time integral (RVOT VTI) and tricuspid regurgitation velocity/RVOT VTI ratio in pediatric pulmonary hypertension. *Int J Cardiol* 2016;212:274-276

Kozlik-Feldmann R, Hansmann G, Bonnet D, Schranz D, Apitz C, Michel-Behnke I. Pulmonary hypertension in children with congenital heart disease (PAH-CHD, PPHVD-CHD). Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii42-8

Lammers AE, Apitz C, Zartner P, Hager A, Dubowy KO, Hansmann G. Diagnostics, monitoring and outpatient care in children with suspected pulmonary hypertension/paediatric pulmonary hypertensive vascular disease. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. *Heart* 2016;102(Suppl 2):ii1-13

Latus H, Kuehne T, Beerbaum P, Apitz C, Hansmann G, Muthurangu V, Moledina S. Cardiac MR and CT imaging in children with suspected or confirmed pulmonary hypertension/pulmonary hypertensive vascular disease. Expert consensus statement on the diagnosis and

treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. Heart 2016;102(Suppl 2):ii30-5

Lehner A, Ulrich S, Happel CM, Fischer M, Kantzis M, Schulze-Neick I, Haas NA. Closure of very large PDA with pulmonary hypertension: Initial clinical case-series with the new Occlutech(R) PDA occluder Catheter Cardiovasc Interv 2017;89(4):718-725

Neumann A, Sarikouch S, Bobylev D, Meschenmoser L, Breymann T, Westhoff-Bleck M, Scheid M, Tzanavaros I, Bertram H, Beerbaum P, Haverich A, Boethig D, Horke A. Long-term results after repair of anomalous origin of left coronary artery from the pulmonary artery: Takeuchi repair versus coronary transfer. Eur J Cardiothorac Surg 2016;DOI: 10.1093/ejcts/ezw268

Pattathu J, Gorenflo M, Hilgendorff A, Koskenvuo JW, Apitz C, Hansmann G, Alastalo TP. Genetic testing and blood biomarkers in paediatric pulmonary hypertension. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. Heart 2016;102(Suppl 2):ii36-41

Sarikouch S, Horke A, Tudorache I, Beerbaum P, Westhoff-Bleck M, Boethig D, Repin O, Maniuc L, Ciubotaru A, Haverich A, Cebotari S. Decellularized fresh homografts for pulmonary valve replacement: a decade of clinical experience Eur J Cardiothorac Surg 2016;50(2):281-290

Schmidt F, Kuebler J, Ganter M, Jack T, Meschenmoser L, Sasse M, Boehne M, Bertram H, Beerbaum P, Koeditz H. Minimal invasive lung support via umbilical vein with a double-lumen cannula in a neonatal lamb model: a proof of principle. Pediatr Surg Int 2016;32(1):75-82

Schmidt F, Schwerk N, Vogel-Claussen J, Brinkmann E, Koeditz H, Jack T, Sasse M, Bertram H, Horke A, Beerbaum P, Warnecke G, Hansmann G. Bilateral Lung Transplantation and Post-op VA-ECMO: A Novel Approach for Children with End-Stage Pulmonary Arterial Hypertension (PAH). Thorac Cardiovasc Surg 2016;64:OP70

Shang Q, Sarikouch S, Patel S, Schuster A, Steinmetz M, Ou P, Danford DA, Beerbaum P, Kutty S. Assessment of ventriculo-vascular properties in repaired coarctation using cardiac magnetic resonance-derived aortic, left atrial and left ventricular strain Eur Radiol 2017;27(1):167-177

Stevens SM, Gise A, VanDusen N, Zhou B, Pu WT. Epicardium is required for cardiac seeding by yolk sac macrophages, precursors of resident macrophages of the adult heart Dev Biol 2016;413(2):153-159

Tudorache I, Horke A, Cebotari S, Sarikouch S, Boethig D, Breymann T, Beerbaum P, Bertram H, Westhoff-Bleck M, Theodoridis K, Bobylev D, Cheptanaru E, Ciubotaru A, Haverich A. Decellularized aortic homografts for aortic valve and aorta ascendens replacement Eur J Cardiothorac Surg 2016;50(1):89-97

Wert AF, Köditz H, Schwerk N. Progrediente Belastungsdyspnoe in der Adoleszenz – nicht immer Asthma. Monatsschr Kinderheilkd 2016;164(9):799-804

### Übersichtsarbeiten

Koestenberger M, Friedberg MK, Nestaas E, Michel-Behnke I, Hansmann G. Transthoracic echocardiography in the evaluation of pediatric pulmonary hypertension and ventricular dysfunction. Pulm Circ 2016;6(1):15-29

### Letter

Geerdink LM, Ter Heide H, Kapusta L. Ebstein's anomaly and aortic arch lesions: When right meets left Int J Cardiol 2016;223:568-570

### Editorials

Hansmann G. Left Ventricular Diastolic Dysfunction in Pediatric Pulmonary Hypertension. Circ Cardiovasc Imaging 2016;9(9):e005527

## Klinik für Pädiatrische Nieren-, Leber und Stoffwechselerkrankungen – 6720

### Originalpublikationen

Ahlenstiel-Grunow T, Hachmeister S, Bange FC, Wehling C, Kirschfink M, Bergmann C, Pape L. Systemic complement activation and complement gene analysis in enterohaemorrhagic Escherichia coli-associated paediatric haemolytic uraemic syndrome. Nephrol Dial Transplant 2016;31(7):1114-1121

Ahlenstiel-Grunow T, Kanzelmeyer NK, Froede K, Kreuzer M, Drube J, Lerch C, Pape L. Switching from immediate- to extended-release cysteamine in nephropathic cystinosis patients: a retrospective real-life single-center study Pediatr Nephrol 2017;32(1):91-97

Baisantry A, Bhayana S, Wrede C, Hegermann J, Haller H, Melk A, Schmitt R. The impact of autophagy on the development of senescence in primary tubular epithelial cells *Cell Cycle* 2016;15(21):2973-2979

Bertram JF, Goldstein SL, Pape L, Schaefer F, Shroff RC, Warady BA. Kidney disease in children: latest advances and remaining challenges *Nat Rev Nephrol* 2016;12(3):182-191

Das AM. Pharmacotherapy of inborn errors of metabolism illustrating challenges in orphan diseases *J Pharmacol Toxicol Methods* 2016;81:9-14

Doyon A, Schmiedchen B, Sander A, Bayazit A, Duzova A, Canpolat N, Thurn D, Azukaitis K, Anarat A, Bacchetta J, Mir S, Shroff R, Yilmaz E, Candan C, Kemper M, Fischbach M, Cortina G, Klaus G, Wuttke M, Köttgen A, Melk A, Querfeld U, Schaefer F, 4C Study Consortium. Genetic, Environmental, and Disease-Associated Correlates of Vitamin D Status in Children with CKD *Clin J Am Soc Nephrol* 2016;11(7):1145-1153

Ehrich J, Grote U, Gerber-Grote A, Strassburg M. The Child Health Care System of Germany. *J Pediatr* 2016;177S:S71-S86

Ehrich J, Molloy E, Pettoello-Mantovani M. Conceptual Design of Future Children's Hospitals in Europe: Planning, Building, Merging, and Closing Hospitals. *J Pediatr* 2017;182:411-412.e1

Ehrich J, Namazova-Baranova L, Pettoello-Mantovani M. Introduction to "Diversity of Child Health Care in Europe: A Study of the European Paediatric Association/Union of National European Paediatric Societies and Associations". *J Pediatr* 2016;177S:S1-S10

Ehrich J, Nwaneri N, de Santo N. The Role of Retired Pediatric Professors in European Child Healthcare Services. *J Pediatr* 2017;181:332-333.e1

Ernst G, Lange K, Szczepanski R, Staab D, Ehrich J, Zinken K. How to Train Families to Cope with Lifelong Health Problems? *J Pediatr* 2016;170:349-350.e2

Ferrara P, Corsello G, Ianniello F, Sbordone A, Ehrich J, Pettoello-Mantovani M. Impact of Distressing Media Imagery on Children. *J Pediatr* 2016;174:285-286.e1

Ferrara P, Corsello G, Sbordone A, Cutrona C, Ehrich J, Pettoello-Mantovani M. The Role of Pediatricians in Caring for the Well-Being of Children Living in New Types of Families. *J Pediatr* 2016;176:226-228.e1

Ferrara P, Corsello G, Sbordone A, Nigri L, Caporale O, Ehrich J, Pettoello-Mantovani M. The "Invisible Children": Uncertain Future of Unaccompanied Minor Migrants in Europe. *J Pediatr* 2016;169:332-3.e1

Ferrara P, Corsello G, Sbordone A, Nigri L, Ehrich J, Pettoello-Mantovani M. Foster Care: A Fragile Reality Needing Social Attention, and Economic Investments. *J Pediatr* 2016;173:270-271.e1

Filler G, Melk A, Marks SD. Practice recommendations for the monitoring of renal function in pediatric non-renal organ transplant recipients *Pediatr Transplant* 2016;20(3):352-363

Franke D, Steffens R, Thomas L, Pavicic L, Ahlenstiel T, Pape L, Gellermann J, Müller D, Querfeld U, Haffner D, Zivcnjak M. Kidney transplantation fails to provide adequate growth in children with chronic kidney disease born small for gestational age. *Pediatr Nephrol* 2017;32(3):511-519

Haffner D, Leifheit-Nestler M. Extrarenal effects of FGF23. *Pediatr Nephrol* 2017;32(5):753-765

Haffner D, Zivcnjak M. Pubertal development in children with chronic kidney disease. *Pediatr Nephrol* 2017;32(6):949-964

Hanff E, Kayacelebi AA, Herrmann C, Obermann M, Das AM, Tsikas D. Unaltered L-arginine/NO pathway in a MELAS patient: Is mitochondrial NO synthase involved in the MELAS syndrome? *Int J Cardiol* 2016;223:479-481

Hanff E, Kayacelebi AA, Mariotti F, Herrmann C, Obermann M, Das AM, Tsikas D. Analytical challenges in the assessment of NO synthesis from L-arginine in the MELAS syndrome *Int J Cardiol* 2017;234:141-142

Hensel N, Schön A, Konen T, Lübben V, Förthmann B, Baron O, Grothe C, Leifheit-Nestler M, Claus P, Haffner D. Fibroblast growth factor 23 signaling in hippocampal cells: impact on neuronal morphology and synaptic density. *J Neurochem* 2016;137(5):756-769

Höcker B, Zencke S, Pape L, Krupka K, Köster L, Fichtner A, Dello Strologo L, Guzzo I, Topaloglu R, Kranz B, König J, Bald M, Webb NJ, Noyan A, Dursun H, Marks S, Ozcakar ZB, Thiel F, Billing H, Pohl M, Fehrenbach H, Schnitzler P, Bruckner T, Ahlenstiel-Grunow T, Tönshoff B. Impact of Everolimus and Low-Dose Cyclosporin on Cytomegalovirus Replication and Disease in Pediatric Renal Transplantation Am J Transplant 2016;16(3):921-929

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happle C. Tetanus and diphtheria immunity in refugees in Europe in 2015. Infection 2017;45(2):157-164

Kammer J, Ziesing S, Aguirre Davila L, Bültmann E, Illsinger S, Das AM, Haffner D, Hartmann H. Neurological Manifestations of Mycoplasma pneumoniae Infection in Hospitalized Children and Their Long-Term Follow-Up. Neuropediatrics 2016;47(5):308-317

Kerbl R, Sperl W, Strassburg HM, Pettoello-Mantovani M, Ehrich J. Overview of Habilitation and Rehabilitation for Children and Adolescents in Europe. J Pediatr 2016;172:233-235.e2

Kreuzer M, Pape L. Dialysis-dependent acute kidney injury in children with end-stage liver disease: response to Deep et al Pediatr Nephrol 2016;31(8):1381-1382

Kunert SK, Hartmann H, Haffner D, Leifheit-Nestler M. Klotho and fibroblast growth factor 23 in cerebrospinal fluid in children J Bone Miner Metab 2017;35(2):215-226

Mathis D, Abela L, Albersen M, Bürer C, Crowther L, Beese K, Hartmann H, Bok LA, Struys E, Papuc SM, Rauch A, Hersberger M, Verhoeven-Duif NM, Plecko B. The value of plasma vitamin B6 profiles in early onset epileptic encephalopathies J Inherit Metab Dis 2016;39(5):733-741

McIntosh ED, Janda J, Ehrich JH, Pettoello-Mantovani M, Somekh E. Vaccine Hesitancy and Refusal. J Pediatr 2016;175:248-249.e1

Meyer-Bahlburg A, Dressler F, Hartmann H, Bültmann E, Schwerk N, Thon A. Transverse Myelitis und Retrobulbärneuritis bei einer jugendlichen Patientin mit systemischem Lupus erythematoses. Arthritis und Rheuma 2016;36(3):180-182

Olsson KM, Olle S, Fuge J, Welte T, Hoeper MM, Lerch C, Maegel L, Haller H, Jonigk D, Schiffer L. CXCL13 in idiopathic pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respir Res 2016;17:21

Pettoello-Mantovani M, Namazova-Baranova L, Ehrich J. Integrating and rationalizing public healthcare services as a source of cost containment in times of economic crises. Ital J Pediatr 2016;42:18

Pettoello-Mantovani M, Namazova-Baranova L, Mestrovic J, Somekh E, Ehrich J. Working with the Union of National European Pediatric Societies and Associations in "Building Bridges Across Europe": The Eighth EUROPAEDIATRICS, Bucharest, Romania, June 7-10, 2017. J Pediatr 2016;178:311-312.e1

Rausch L, Koenecke C, Koch HF, Kaltenborn A, Emmanouilidis N, Pape L, Lehner F, Arelin V, Baumann U, Schrem H. Matched-pair analysis: identification of factors with independent influence on the development of PTLD after kidney or liver transplantation Transplant Res 2016;5:6

Repges L, Lange M, Stange M, Das AM. Differential diagnosis of Headache and Vertigo: Topical Minoxidil Self-medication Should be Considered. Journal of Headache & Pain Management 2016;1(3):22

Richter B, Haller J, Haffner D, Leifheit-Nestler M. Klotho modulates FGF23-mediated NO synthesis and oxidative stress in human coronary artery endothelial cells. Pflugers Arch 2016;468(9):1621-1635

Sandvoss M, Potthast AB, von Versen-Höynck F, Das AM. HELLP Syndrome: Altered Hypoxic Response of the Fatty Acid Oxidation Regulator SIRT 4. Reprod Sci 2017;24(4):568-574

Schaefer F, Doyon A, Azukaitis K, Bayazit A, Canpolat N, Duzova A, Niemirska A, Sözeri B, Thurn D, Anarat A, Ranchin B, Litwin M, Caliskan S, Candan C, Baskin E, Yilmaz E, Mir S, Kirchner M, Sander A, Haffner D, Melk A, Wuhl E, Shroff R, Querfeld U, 4C Study Consortium. Cardiovascular Phenotypes in Children with CKD: The 4C Study. Clin J Am Soc Nephrol 2017;12(1):19-28

Stock J, Kuenanz J, Glonke N, Sonntag J, Frese J, Tönshoff B, Höcker B, Hoppe B, Feldkötter M, Pape L, Lerch C, Wygoda S, Weber M, Müller GA, Gross O. Prospective study on the potential of RAAS blockade to halt renal disease in Alport syndrome patients with heterozygous mutations Pediatr Nephrol 2017;32(1):131-137

Sümpelmann R, Becke K, Brenner S, Breschan C, Eich C, Höhne C, Jöhr M, Kretz FJ, Marx G, Pape L, Schreiber M, Strauss J, Weiss M. Perioperative intravenous fluid therapy in children: guidelines from the Association of the Scientific Medical Societies in Germany. Paediatr Anaesth 2017;27(1):10-18

Sümpelmann R, Becke K, Brenner S, Breschan C, Eich C, Höhne C, Jöhr M, Kretz F-, Marx G, Pape L, Schreiber M, Strauss J, Weiss M. Perioperative Infusionstherapie bei Kindern. Anasthesiol Intensivmed 2016;57(6):368-376

van Karnebeek CD, Tiebout SA, Niermeijer J, Poll-The BT, Ghani A, Coughlin CR, 2nd, Van Hove JL, Richter JW, Christen HJ, Gallagher R, Hartmann H, Stockler-Ipsiroglu S. Pyridoxine-Dependent Epilepsy: An Expanding Clinical Spectrum Pediatr Neurol 2016;59:6-12

Weigel F, Lemke A, Tönshoff B, Pape L, Fehrenbach H, Henn M, Hoppe B, Jungraithmayr T, Konrad M, Laube G, Pohl M, Seeman T, Staude H, Kemper MJ, John U. Febrile urinary tract infection after pediatric kidney transplantation: a multicenter, prospective observational study Pediatr Nephrol 2016;31(6):1021-1028

### **Case reports**

Linder B, Gabitov A, Das AM. Hypertensive Herzerkrankung, Linksherzhypertrophie und Herzklappeninsuffizienz. Der Kardiologe 2017;11(1):56-60

### **Buchbeiträge, Monografien**

Das AM. Fettstoffwechselstörungen: Ätiologie und Pathogenese. In: Danne T, Kordonouri O [Hrsg.]: Adipositas, Diabetes und Fettstoffwechselstörungen im Kindesalter. Berlin: De Gruyter, 2016. S. 31-42

### **Abstracts**

Lipska-Ziętkiewicz BS, Gellermann J, Boyer O, Shalaby MA, Ozaltin F, Dusek J, Melk A, Bayazit AK, Massella L, Schaefer F, Smarcal screening in nephrotic syndrome - lessons from podonet. Nephrol Dial Transplant 2016;31(Suppl.1):i353-i354

Schauerte C, Hübner A, Rong S, Mengel M, Melk A, Haller H, Thum T, Lorenzen J. Translation of anti fibrotic microrna strategies into a mouse model of chronic allograft dysfunction. Nephrol Dial Transplant 2016;31(Suppl.1):i2

### **Promotionen**

Balonwu, Katharina (Dr. rer. biol. hum.): Kognitive und psychosoziale Spätfolgen bei Kindern und Jugendlichen mit hämolytisch-urämischem Syndrom Testpsychologische Nachuntersuchungen und Fragebogenerhebung  
MHH-Signatur: D 80641

Brunkhorst, Lena (Dr. med.): Vergleich von Langzeitnutzen und Sicherheit einer Everolimus- zu einer Mycophenolat Mofetil- basierten Immunsuppression nach pädiatrischer Nierentransplantation  
MHH-Signatur: D 80685

Hagebölling, Friederike Margarethe Helga (Dr. med.): Untersuchungen zur mitochondrialen Funktion an Endothelzellen menschlicher Nabelschnur globale Fettsäureoxidation bei Gestosen  
MHH-Signatur: D 80496

Neiße, Thomas (Dr. med.): Lipopolysaccharide und Frühgeburtlichkeit Einfluss auf die Atmungskettenenzymaktivität in humanen Nabelschnurendothelien  
MHH-Signatur: D 80653

Tiedau, Miriam (Dr. med.): Autoimmunhepatitis, primär sklerosierende Cholangitis und deren Overlap-Syndrom in der pädiatrischen Leber-Transplantationsmedizin Assoziation und Prognose von humanen Leukozyten Antigen Merkmalen bei lebertransplantierten und nicht transplantierten Patienten  
MHH-Signatur: D 80647

### **Bachelorarbeiten**

Schöning, Tobias (B.Sc. Biochemie): Etablierung eines AAV-Transduktionsmodells für den Fibroblasten-Wachstumsfaktor 23 (FGF23)

## **Klinik für Pädiatrische Pneumologie, Allergologie und Neonatologie – 6710**

### **Originalpublikationen**

Aggarwal N, Delgado BM, Salipalli S, Matamala N, Rademacher J, Schwerk N, Welte T, Janciauskiene S, Ringshausen FC. Why do some adults with PiMZ alpha1-antitrypsin develop bronchiectasis? ERJ Open Res 2016;2(2):00021-2016

Awah CU, Tamm S, Hettfeld S, Steinemann D, Tümmeler B, Tsivaliaris G, Stanke F. Mechanism of allele specific assembly and disruption of master regulator transcription factor complexes of NF-KBp50, NF-KBp65 and HIF1a on a non-coding FAS SNP. *Biochim Biophys Acta* 2016;1859(11):1411-1428

Bush A, Barbato A, Clement A, Cunningham S, Blic J, Gilbert C, Goldbeck L, Kiper N, Schwerk N, Giese M. European idiopathic pulmonary fibrosis Patient Charter: a missed opportunity *Eur Respir J* 2016;48(1):282-283

Chouvarine P, Wiehlmann L, Moran Losada P, DeLuca DS, Tümmeler B. Filtration and Normalization of Sequencing Read Data in Whole-Metagenome Shotgun Samples. *PLoS One* 2016;11(10):e0165015

Clement A, de Blic J, Epaud R, Galeron L, Nathan N, Hadchouel A, Barbato A, Snijders D, Kiper N, Cunningham S, Giese M, Bush A, Schwerk N, chILD-EU collaboration. Management of children with interstitial lung diseases: the difficult issue of acute exacerbations *Eur Respir J* 2016;48(6):1559-1563

Dijkstra D, Meyer-Bahlburg A. Human Basophils Modulate Plasma Cell Differentiation and Maturation. *J Immunol* 2017;198(1):229-238

Fischer S, Greipel L, Klockgether J, Dorda M, Wiehlmann L, Cramer N, Tümmeler B. Multilocus amplicon sequencing of *Pseudomonas aeruginosa* cystic fibrosis airways isolates collected prior to and after early antipseudomonal chemotherapy. *J Cyst Fibros* 2017;16(3):346-352

Fuchs SI, Schwerk N, Pittschieder K, Ahrens F, Baden W, Bals R, Fähndrich S, Gleiber W, Giese M, Hülskamp G, Köhnlein T, Reckling L, Rietschel E, Staab D, Gappa M. Lung clearance index for monitoring early lung disease in alpha-1-antitrypsin deficiency *Respir Med* 2016;116:93-99

Gohar F, Orak B, Kallinich T, Jeske M, Lieber M, von Bernuth H, Giese A, Weissbarth-Riedel E, Haas JP, Dressler F, Holzinger D, Lohse P, Neudorf U, Lainka E, Hinze C, Masjostusmann K, Kessel C, Weinlage T, Foell D, Wittkowski H. Correlation of Secretory Activity of Neutrophils With Genotype in Patients With Familial Mediterranean Fever. *Arthritis Rheumatol* 2016;68(12):3010-3022

Gohar F, Orak B, Kallinich T, Jeske M, Lieber M, von Bernuth H, Giese A, Weissbarth-Riedel E, Haas JP, Dressler F, Holzinger D, Lohse P, Neudorf U, Lainka E, Hinze C, Masjostusmann K, Kessel C, Weinlage T, Foell D, Wittkowski H. Secretory Activity of Neutrophils Correlates With Genotype in Familial Mediterranean Fever. *Arthritis Rheumatol* 2016;68(12):3010-3022

Greipel L, Fischer S, Klockgether J, Dorda M, Mielke S, Wiehlmann L, Cramer N, Tümmeler B. Molecular epidemiology of mutations in antimicrobial resistance loci of *Pseudomonas aeruginosa* isolates from cystic fibrosis airways. *Antimicrob Agents Chemother* 2016;30(11):6726-6734

Habener A, Behrendt AK, Skuljic J, Jirmo AC, Meyer-Bahlburg A, Hansen G. B cell subsets are modulated during allergic airway inflammation but are not required for the development of respiratory tolerance in a murine model. *Eur J Immunol* 2017;47(3):552-562

Härtel C, Hartz A, Bahr L, Gille C, Gortner L, Simon A, Orlikowsky T, Müller A, Körner T, Henneke P, Haase R, Zemlin M, Viemann D, Gebauer C, Thome U, Ziegler A, Rupp J, Herting E, Göpel W, German Neonatal Network. Media Stories on NICU Outbreaks Lead to an Increased Prescription Rate of Third-Line Antibiotics in the Community of Neonatal Care. *Infect Control Hosp Epidemiol* 2016;37(8):924-930

Härtel C, Humberg A, Viemann D, Stein A, Orlikowsky T, Rupp J, Kopp MV, Herting E, Göpel W. Preterm Birth during Influenza Season Is Associated with Adverse Outcome in Very Low Birth Weight Infants. *Front Pediatr* 2016;4:130

Heinemann AS, Pirr S, Fehlhaber B, Mellinger L, Burgmann J, Busse M, Ginzel M, Friesenhagen J, von Köckritz-Blickwede M, Ulas T, von Kaisenberg CS, Roth J, Vogl T, Viemann D. In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. *FASEB J* 2017;31(3):1153-1164

Hussein K, Peter C, Sedlacek L, Kaisenberg CV, Kreipe HH. Nekrotisierende Funikulitis : Histopathologischer Indikator für eine okkulte konnatale Syphilis. *Pathologe* 2016;DOI: 10.1007/s00292-016-0177-5

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happle C. Tetanus and diphtheria immunity in refugees in Europe in 2015. *Infection* 2017;45(2):157-164

Jablonka A, Happle C, Grote U, Schleenvoigt BT, Hampel A, Dopfer C, Hansen G, Schmidt RE, Behrens GM. Measles, mumps, rubella, and varicella seroprevalence in refugees in Germany in 2015. *Infection* 2016;44(6):781-787

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland *Med Klin Intensivmed Notfmed* 2017;112(4):347-351

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland. Med Klin Intensivmed Notfmed 2017;112(4):347-351

Jablonka A, Solbach P, Ringe B, Schleenvoigt BT, Dopfer C, Hampel A, Schmidt RE, Behrens GMN. Niedrige Seroprävalenz von Hepatitis C bei Flüchtlingen in Deutschland im Jahr 2015. Notfall Rettungsmed 2017;20(1):1-5

Jirmo AC, Daluge K, Happle C, Albrecht M, Dittrich AM, Busse M, Habener A, Skuljec J, Hansen G. IL-27 Is Essential for Suppression of Experimental Allergic Asthma by the TLR7/8 Agonist R848 (Resiquimod). J Immunol 2016;197(11):4219-4227

Junge S, Gölich D, den Reijer M, Wiedemann B, Tümmeler B, Ellemunter H, Dübbers A, Küster P, Ballmann M, Koerner-Rettberg C, Grosse-Onnebrink J, Heuer E, Sextro W, Mainz JG, Hammermann J, Riethmüller J, Graepler-Mainka U, Staab D, Wollsschläger B, Szczepanski R, Schuster A, Tegtmeier FK, Sutharsan S, Wald A, Nofer JR, van Wamel W, Becker K, Peters G, Kahl BC. Factors Associated with Worse Lung Function in Cystic Fibrosis Patients with Persistent *Staphylococcus aureus*. PLoS One 2016;11(11):e0166220

Kröner C, Wittmann T, Reu S, Teusch V, Klemme M, Rauch D, Hengst M, Kappler M, Cobanoglu N, Sismanlar T, Aslan AT, Campo I, Proesmans M, Schaible T, Terheggen-Lagro S, Regamey N, Eber E, Seidenberg J, Schwerk N, Aslanidis C, Lohse P, Brasch F, Zarbock R, Gries M. Lung disease caused by ABCA3 mutations Thorax 2017;72(3):213-220

Losada PM, Tümmeler B. SNP synteny analysis of *Staphylococcus aureus* and *Pseudomonas aeruginosa* population genomics. FEMS Microbiol Lett 2016;DOI: 10.1093/femsle/fnw229

Meyer-Bahlburg A, Dijkstra D. Basophile Granulozyten und Autoimmunerkrankungen. Können basophile Granulozyten die Funktion von B-Zellen beim systemischen Lupus erythematoses beeinflussen? Z Rheumatol 2016;75(3):245-252

Meyer-Bahlburg A, Dressler F, Hartmann H, Bültmann E, Schwerk N, Thon A. Transverse Myelitis und Retrobulbärneuritis bei einer jugendlichen Patientin mit systemischem Lupus erythematoses. Arthritis und Rheuma 2016;36(3):180-182

Moran Losada P, Chouvarine P, Dorda M, Hedtfeld S, Mielke S, Schulz A, Wiehlmann L, Tümmeler B. The cystic fibrosis lower airways microbial metagenome. ERJ Open Res 2016;2(2):00096-2015

Moran Losada P, Fischer S, Chouvarine P, Tümmeler B. Three-base periodicity of sites of sequence variation in *Pseudomonas aeruginosa* and *Staphylococcus aureus* core genomes. FEBS Lett 2016;590(20):3538-3543

Mucci A, Kunkiel J, Suzuki T, Brennig S, Glage S, Kühnel MP, Ackermann M, Happle C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N. Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency Stem Cell Reports 2016;7(2):292-305

Okon E, Dethlefsen S, Pelikovich A, Barneveld AV, Munder A, Tümmeler B. Key role of an ADP - ribose - dependent transcriptional regulator of NAD metabolism for fitness and virulence of *Pseudomonas aeruginosa*. Int J Med Microbiol 2017;307(1):83-94

Rauch D, Wetzké M, Reu S, Wesselak W, Schams A, Hengst M, Kammer B, Ley-Zaporozhan J, Kappler M, Proesmans M, Lange J, Escribano A, Kerem E, Ahrens F, Brasch F, Schwerk N, Gries M, PTI (Persistent Tachypnea of Infancy) Study Group of the Kids Lung Register. Persistent Tachypnea of Infancy. Usual and Aberrant. Am J Respir Crit Care Med 2016;193(4):438-447

Reinartz MT, Wetzké M, Happle C, Kälble S, Scherer R, Kabesch M, Seifert R. Neutrophilic superoxide production can assess pharmacological and pharmacogenetic beta-adrenoreceptor effects. Allergy 2016;71(8):1223-1227

Reismann M, Ghaffarpour N, Luwall E, Jirmo A, Radtke J, Claesson G, Wester T. TLR4 preconditioning is associated with low success of OK-432 treatment for lymphatic malformations in children Pediatr Surg Int 2016;32(5):435-438

Riemekasten G, Aringer M, Baerwald CG, Meyer-Bahlburg A, Bergner R, Feuchtenberger M, Gebhardt C, Hellmich B, Keyßer G, Lorenz HM, Kneitz C, Witte T, Müller-Ladner U, Schneider M, Braun J, Rautenstrauch J, Specker C, Schulze-Koops H. Rheumatologie - Integration in die studentische Ausbildung (RISA) : Zur aktuellen Struktur der internistischen Rheumatologie an deutschen Hochschulen (RISA III) Z Rheumatol 2016;75(5):493-501

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. J Immunol 2016;196(8):3245-3252

Roth A, Glaesener S, Schütz K, Meyer-Bahlburg A. Reduced Number of Transitional and Naïve B Cells in Addition to Decreased BAFF Levels in Response to the T Cell Independent Immunogen Pneumovax(R)23. PLoS One 2016;11(3):e0152215

Schmidt A, Hammerbacher AS, Bastian M, Nieken KJ, Klockgether J, Merighi M, Lapouge K, Poschgan C, Kölle J, Acharya KR, Ulrich M, Tümmeler B, Unden G, Kaever V, Lory S, Haas D, Schwarz S, Döring G. Oxygen-dependent regulation of c-di-GMP synthesis by SadC controls alginate production in *Pseudomonas aeruginosa*. Environ Microbiol 2016;18(10):3390-3402

Schultze-Florey RE, Tischer S, Schwerk N, Heim A, Eiz-Vesper B, Maecker-Kolhoff B. Monitoring of adenovirus (ADV)-specific T cells in a boy with ADV pneumonia and disseminated disease after lung transplantation. Transpl Infect Dis 2016;18(5):756-760

Skuljec J, Cabanski M, Surdziel E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. Eur J Immunol 2016;46(7):1656-1668

Stangel M, Gold R, Pittrow D, Baumann U, Borte M, Fasshauer M, Hensel M, Huscher D, Reiser M, Sommer C. Treatment of patients with multifocal motor neuropathy with immunoglobulins in clinical practice: the SIGNS registry. Ther Adv Neurol Disord 2016;9(3):165-179

Stanke F, Tümmeler B. Classification of CFTR mutation classes. Lancet Respir Med 2016;4(8):e36

Stein L, Pacht C, Junge S, Kaeding TS, Kück M, Maassen N, Wittke T, Shushakov V. Skeletal Muscle Function in Young Patients With Cystic Fibrosis. Pediatr Exerc Sci 2016;28(3):364-373

Tümmeler B. Therapie der Mukoviszidose mit CFTR-Modulatoren. Pneumologie 2016;70(5):301-313

Tümmeler B. Variability of sweat chloride - A never ending story. J Cyst Fibros 2017;16(1):7-8

Wert AF, Posa D, Tsilochristou O, Schwerk N. Treatment of allergic children - Where is the progress (for the practicing allergist)? Pediatr Allergy Immunol 2016;27(7):671-681

### Abstract

Schubert M, Merkert S, Haase A, Engels L, Haller R, Lachmann N, Moritz T, de la Roche J, Tümmeler B, Galietta L, Martin U. Generation of disease-specific iPSCs and development of transgenic reporter cell lines for cystic fibrosis disease modelling and drug screening. 10th European CF Young Investigators Meeting, 10.-12.Februar 2016, Paris

### Promotionen

Awah, Chidiebere Uzodinma (PhD MD M.Sc. Molecular Biomedicine): Mechanism of allele specific assembly and disruption of master regulator transcription factors NF-KBp50, p65 and HIF1a on a non-coding FAS SNP  
MHH-Signatur: D 80540

Marten, Elger (Dr. med.): Interdependent TTF1 - ErbB4 interactions are critical for surfactant protein-B homeostasis in primary mouse lung alveolar type II cells  
MHH-Signatur: D 80344

Moeller, Meike (Dr. med.): Charakterisierung der Impfung mit einer 23-valenten Pneumokokken-Polysaccharidvakzine zur prognostischen Einschätzung von Atemwegserkrankungen bei Patienten mit primärem Immundefekt  
MHH-Signatur: D 80624

Morán Losada, Patricia (PhD Bioinformatics): Bioinformatic analysis of the microbial metagenome in cystic fibrosis airways  
MHH-Signatur: D 80159

Schärschmidt, Sarah (Dr. med.): Analyse der Immunzellen von Frühgeborenen mit Sepsis  
MHH-Signatur: D 80457

Schöber, Martin Rudolf Ernst (Dr. med.): Kontrollierter Abzug von Atemgas aus dem apparativen Totraum mittels einer Pumpe eine neue Methode zur Verringerung des Atemzugvolumens bei beatmeten Frühgeborenen  
MHH-Signatur: D 80440

# Zentrum Chirurgie

## Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie – 6210

### Originalpublikationen

Aper T, Wilhelm M, Hoeffler K, Benecke N, Haverich A. Engineering of small diameter tubular compacted fibrin matrices. *BioNanoMateri- als* 2016;17(1-2):13-17

Barnhart GR, Shrestha ML. Current Clinical Evidence on Rapid Deployment Aortic Valve Replacement: Sutureless Aortic Bioprostheses *Innovations (Phila)* 2016;11(1):7-14

Barten MJ, Schulz U, Beiras-Fernandez A, Berchtold-Herz M, Boeken U, Garbade J, Hirt S, Richter M, Ruhpawar A, Schmitto JD, Schönrath F, Schramm R, Schweiger M, Wilhelm M, Zuckermann A. A Proposal for Early Dosing Regimens in Heart Transplant Patients Receiving Thymoglobulin and Calcineurin Inhibition *Transplant Direct* 2016;2(6):e81

Becker S, Steinmeyer J, Avsar M, Höffler K, Salman J, Haverich A, Warnecke G, Ochs M, Schnapper A. Evaluating acellular versus cellular perfusate composition during prolonged ex vivo lung perfusion after initial cold ischaemia for 24 hours *Transpl Int* 2016;29(1):88-97

Beckmann A, Schubert M, Hainz N, Haase A, Martin U, Tschnerrig T, Meier C. Ultrastructural demonstration of Cx43 gap junctions in induced pluripotent stem cells from human cord blood *Histochem Cell Biol* 2016;146(5):529-537

Beckmann E, Ismail I, Cebotari S, Busse A, Martens A, Shrestha M, Kühn C, Haverich A, Fegbeutel C. Right-Sided Heart Failure and Extracorporeal Life Support in Patients Undergoing Pericardectomy for Constrictive Pericarditis: A Risk Factor Analysis for Adverse Outcome *Thorac Cardiovasc Surg* 2016;DOI: 10.1055/s-0036-1593817

Beckmann E, Martens A, Alhadi F, Hoeffler K, Umminger J, Kaufeld T, Sarikouch S, Koigeldiev N, Cebotari S, Schmitto JD, Haverich A, Shrestha M. Aortic valve replacement with sutureless prosthesis: better than root enlargement to avoid patient-prosthesis mismatch? *Interact Cardiovasc Thorac Surg* 2016;22(6):744-749

Biancosino C, Krüger M, Kühn C, Zinne N, Wilhelm M, Zeckey C, Krettek C, Gathen M. First Successful Surgical Reconstruction of Bilateral Transected Main Bronchi With Extracorporeal Membrane Oxygenation Support. *Ann Thorac Surg* 2016;102(2):e135-7

Biancosino C, Krüger M, Vollmer E, Welker L. Intraoperative fine needle aspirations - diagnosis and typing of lung cancer in small biopsies: challenges and limitations. *Diagn Pathol* 2016;11(1):59

Biancosino C, Redwan B, Krüger M, Eberlein M, Bölkbas S. Das maligne Pleuramesotheliom. *Zentralbl Chir* 2016;141 Suppl 1:S61-73

Biancosino C, Welker L, Krüger M, Bölkbas S, Bittmann I, Kirsten D. Diagnostic Gain from Surgical Biopsy for Interstitial Lung Disease - When is it Worth the Risk? *Pneumologie* 2016;70(3):205-210

Bobylev D, Sarikouch S, Meschenmoser L, Hohmann D, Beerbaum P, Horke A. Uncommon Case of Intrapericardial Nontyphoidal Salmonella Infection in a Preterm Baby Presenting As a Cardiac Tumor. *Ann Thorac Surg* 2016;101(4):1577-1580

Bobylev D, Warnecke G, Dennhardt N, Horke A. Giant pleuropulmonary blastoma. *Eur J Cardiothorac Surg* 2016;50(6):1215-1216

Boehne M, Sasse M, Karch A, Dziuba F, Horke A, Kaussen T, Mikolajczyk R, Beerbaum P, Jack T. Systemic inflammatory response syndrome after pediatric congenital heart surgery: Incidence, risk factors, and clinical outcome *J Card Surg* 2017;32(2):116-125

Börger AK, Eicke D, Wolf C, Gras C, Aufderbeck S, Schulze K, Engels L, Eiz-Vesper B, Schambach A, Guzman CA, Lachmann N, Moritz T, Martin U, Blasczyk R, Figueiredo C. Generation of HLA-universal iPSCs-derived megakaryocytes and platelets for survival under refractoriness conditions. *Mol Med* 2016;22:DOI:10.2119/molmed.2015.00235

Brand S, Breitenbach I, Bolzen P, Petri M, Krettek C, Teebken O. Open Repair Versus Thoracic Endovascular Aortic Repair in Multiple-Injured Patients: Observations From a Level-1 Trauma Center. *Arch Trauma Res* 2015;4(4):e27183

Braniste T, Tiginyanu I, Horvath T, Raevschi S, Cebotari S, Lux M, Haverich A, Hilfiker A. Viability and proliferation of endothelial cells upon exposure to GaN nanoparticles. *Beilstein J Nanotechnol* 2016;7:1330-1337

Bures M, Höffler HK, Friedel G, Kyriss T, Boedecker E, Länger F, Zardo P, Zhang R. Albumin-glutaraldehyde glue for repair of superficial lung defect: an in vitro experiment J Cardiothorac Surg 2016;11(1):63

Bures M, Zardo P, Länger F, Zhang R. Improved application technique of albumin-glutaraldehyde glue for repair of superficial lung defects J Cardiothorac Surg 2016;11(1):149

Caobelli F, Wollenweber T, Bavendiek U, Kühn C, Schütze C, Geworski L, Thackeray JT, Bauersachs J, Haverich A, Bengel FM. Simultaneous dual-isotope solid-state detector SPECT for improved tracking of white blood cells in suspected endocarditis Eur Heart J 2017;38(6):436-443

Christoffersson J, Bergström G, Schwanke K, Kempf H, Zweigerdt R, Mandenius CF. A Microfluidic Bioreactor for Toxicity Testing of Stem Cell Derived 3D Cardiac Bodies Methods Mol Biol 2016;1502:159-168

Crespo-Leiro MG, Stypmann J, Schulz U, Zuckermann A, Mohacsı P, Bara C, Ross H, Parameshwar J, Zakliczyński M, Fiocchi R, Hoefer D, Colvin M, Deng MC, Leprince P, Elashoff B, Yee JP, Vanhaecke J. Clinical usefulness of gene-expression profile to rule out acute rejection after heart transplantation: CARGO II Eur Heart J 2016;37(33):2591-2601

Dennhardt N, Beck C, Huber D, Sander B, Boehne M, Boethig D, Leffler A, Sümpelmann R. Optimized preoperative fasting times decrease ketone body concentration and stabilize mean arterial blood pressure during induction of anesthesia in children younger than 36 months: a prospective observational cohort study. Paediatr Anaesth 2016;26(8):838-843

Deriu MA, Grasso G, Tuszyński JA, Massai D, Gallo D, Morbiducci U, Danani A. Characterization of the AXH domain of Ataxin-1 using enhanced sampling and functional mode analysis. Proteins 2016;84(5):666-673

Dibbert N, Krause A, Rios-Camacho JC, Gruh I, Kirschning A, Dräger G. A Synthetic Toolbox for the In Situ Formation of Functionalized Homo- and Heteropolysaccharide-Based Hydrogel Libraries Chemistry 2016;22(52):18777-18786

Duda F, Lipokatic-Takacs E, Loos A, Lüdtke N, Wilhelm I, Kampmann A, Voigt H, Schubert C, Elff M, Lenarz T, Haverich A. Institutional and sociopolitical factors in supporting clinical translation: the case of biomedical implant research in Hannover, Germany. BioNanoMat 2016;17(1-2):89-92

Eberhard J, Stumpf N, Winkel A, Schrimpf C, Bisdas T, Orzak P, Teebken OE, Haverich A, Stiesch M. Streptococcus mitis and Gemella haemolysans were simultaneously found in atherosclerotic and oral plaques of elderly without periodontitis-a pilot study Clin Oral Investig 2017;21(1):447-452

Erkanlı K, Kaya M, Avşar M, Bakır İ. Use of an Intrapericardial Continuous Flow Ventricular Assist Device in a 4-Year-Old Child Weighing 12 Kilograms Heart Surg Forum 2016;19(2):E087

Fischer TH, Kleinwächter A, Herting J, Eiringhaus J, Hartmann N, Renner A, Gummert J, Haverich A, Schmitto JD, Sossalla S. Inhibition of CaMKII Attenuates Progressing Disruption of Ca(2+) Homeostasis Upon Left Ventricular Assist Device Implantation in Human Heart Failure Artif Organs 2016;40(8):719-726

Fischlein T, Meuris B, Hakim-Meibodi K, Misfeld M, Carrel T, Zembala M, Gaggianesi S, Madonna F, Laborde F, Asch F, Haverich A, CAV-Alier Trial Investigators. The sutureless aortic valve at 1 year: A large multicenter cohort study J Thorac Cardiovasc Surg 2016;151(6):1617-1626.e4

Franzke K, Natanov R, Zinne N, Rajab TK, Biancosino C, Zander I, Lodzienski S, Ricklefs M, Kropivnitskaya I, Schmitto JD, Haverich A, Krüger M. Pulmonary metastasectomy - A retrospective comparison of surgical outcomes after laser-assisted and conventional resection Eur J Surg Oncol 2016;DOI: 10.1016/j.ejso.2016.09.001

Fuehner T, Kuehn C, Welte T, Gottlieb J. ICU Care Before and After Lung Transplantation. Chest 2016;150(2):442-450

Gentemann L, Kalies S, Coffee M, Meyer H, Ripken T, Heisterkamp A, Zweigerdt R, Heinemann D. Modulation of cardiomyocyte activity using pulsed laser irradiated gold nanoparticles. Biomed Opt Express 2016;8(1):177-192

Glauber M, Moten SC, Quaini E, Solinas M, Folliquet TA, Meuris B, Miceli A, Oberwalder PJ, Rambaldini M, Teoh KH, Bhatnagar G, Borger MA, Bouchard D, Bouchot O, Clark SC, Dapunt OE, Ferrarini M, Fischlein TJ, Laufer G, Mignosa C, Millner R, Noirhomme P, Pfeiffer S, Ruyra-Baliarda X, Shrestha ML, Suri RM, Troise G, Gersak B. International Expert Consensus on Sutureless and Rapid Deployment Valves in Aortic Valve Replacement Using Minimally Invasive Approaches Innovations (Phila) 2016;11(3):165-173

Gohrbandt B, Warnecke G, Fischer S, Simon AR, Gottlieb J, Niehaus A, Böthig D, Haverich A, Strüber M. Retrograde *in situ* versus antegrade pulmonary preservation in clinical lung transplantation: a single-centre experience Eur J Cardiothorac Surg 2016;49(1):55-62

Grosse GM, Schulz-Schaeffer WJ, Teebken OE, Schuppner R, Dirks M, Worthmann H, Lichtenhagen R, Maye G, Limbourg FP, Weissenborn K. Monocyte Subsets and Related Chemokines in Carotid Artery Stenosis and Ischemic Stroke. Int J Mol Sci 2016;17(4):E433

Hanke JS, Haverich A, Schmitto JD. Exchange of a HeartMate II left ventricular assist device with a HeartMate 3 pump J Heart Lung Transplant 2016;35(7):944-946

Hanke JS, Krabatsch T, Rojas SV, Deniz E, Ismail I, Martens A, Shrestha M, Haverich A, Netuka I, Schmitto JD. In Vitro Evaluation of Inflow Cannula Fixation Techniques in Left Ventricular Assist Device Surgery Artif Organs 2016;DOI: 10.1111/aor.12735

Hanke JS, Rojas SV, Poyanmehr R, Deniz E, Avsar M, Berliner D, Shrestha M, Cebotari S, Haverich A, Schmitto JD. Left Ventricular Assist Device Implantation With Outflow Graft Tunneling Through the Transverse Sinus Artif Organs 2016;40(6):610-612

Hansmann G, Apitz C, Abdul-Khalil H, Alastalo TP, Beerbaum P, Bonnet D, Dubowy KO, Gorenflo M, Hager A, Hilgendorff A, Kaestner M, Koestenberger M, Koskenvuo JW, Kozlik-Feldmann R, Kuehne T, Lammers AE, Latus H, Michel-Behnke I, Miera O, Moledina S, Muthurangu V, Pattathu J, Schranz D, Warnecke G, Zartner P. Executive summary. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. Heart 2016;102(Suppl 2):ii86-100

Henkenberens C, Zinne N, Biancosino C, Höffler K, Schmitto JD, Bremer M, Haverich A, Krüger M. A new era of thoracic oncology? Ex-vivo stereotactic ablative radiosurgery within Ex-vivo Lung Treatment System as a hybrid therapy for unresectable locally advanced pulmonary malignancies. Med Hypotheses 2016;92:31-34

Heusser K, Tank J, Brinkmann J, Menne J, Kaufeld J, Linnenweber-Held S, Beige J, Wilhelm M, Diedrich A, Haller H, Jordan J. Acute Response to Unilateral Unipolar Electrical Carotid Sinus Stimulation in Patients With Resistant Arterial Hypertension. Hypertension 2016;67(3):585-591

Hinrichs JB, Murray T, Akin M, Lee M, Brehm MU, Wilhelm M, Wacker FK, Rodt T. Evaluation of a novel 2D perfusion angiography technique independent of pump injections for assessment of interventional treatment of peripheral vascular disease. Int J Cardiovasc Imaging 2017;33(3):295-301

Hinz J, Mansur A, Hanekop GG, Weyland A, Popov AF, Schmitto JD, Grüne FF, Bauer M, Kazmaier S. Influence of isoflurane on the diastolic pressure-flow relationship and critical occlusion pressure during arterial CABG surgery: a randomized controlled trial PeerJ 2016;4:e1619

Izykowski N, Kuehnel M, Hussein K, Mitschke K, Gunn M, Janciauskienė S, Haverich A, Warnecke G, Laenger F, Maus U, Jonigk D. Organizing pneumonia in mice and men. J Transl Med 2016;14(1):169

Joda A, Jin Z, Haverich A, Summers J, Korossis S. Multiphysics simulation of the effect of leaflet thickness inhomogeneity and material anisotropy on the stress-strain distribution on the aortic valve J Biomech 2016;49(12):2502-2512

Kaestner M, Schranz D, Warnecke G, Apitz C, Hansmann G, Miera O. Pulmonary hypertension in the intensive care unit. Expert consensus statement on the diagnosis and treatment of paediatric pulmonary hypertension. The European Paediatric Pulmonary Vascular Disease Network, endorsed by ISHLT and DGPK. Heart 2016;102(Suppl 2):ii57-66

Keller V, Deiwick A, Pflaum M, Schlie-Wolter S. Correlation between ECM guidance and actin polymerization on osteogenic differentiation of human adipose-derived stem cells Exp Cell Res 2016;347(2):339-349

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. Nat Commun 2016;7:13602

Kropp C, Kempf H, Halloin C, Robles-Diaz D, Franke A, Scheper T, Kinast K, Knorpp T, Joos TO, Haverich A, Martin U, Zweigerdt R, Olmer R. Impact of Feeding Strategies on the Scalable Expansion of Human Pluripotent Stem Cells in Single-Use Stirred Tank Bioreactors Stem Cells Transl Med 2016;5(10):1289-1301

Krüger M, Decker S, Schneider JP, Haverich A, Schega O. Therapie der akuten Mediastinitis Chirurg 2016;87(6):478-485

Krüger M, Zinne N, Biancosino C, Höffler K, Rajab TK, Waldmann KH, Jonigk D, Avsar M, Haverich A, Hoeltig D. Porcine pulmonary auto-transplantation for ex vivo therapy as a model for new treatment strategies. *Interact Cardiovasc Thorac Surg* 2016;23(3):358-366

Kuroda MI, Hilfiker A, Lucchesi JC. Dosage Compensation in Drosophila-a Model for the Coordinate Regulation of Transcription Genetics 2016;204(2):435-450

Li Y, Siemeni T, Optenhoefel J, Martens A, Boethig D, Haverich A, Shrestha M. Pressure level required during prolonged cerebral perfusion time has no impact on neurological outcome: a propensity score analysis of 800 patients undergoing selective antegrade cerebral perfusion *Interact Cardiovasc Thorac Surg* 2016;23(4):616-622

Martens A, Beckmann E, Kaufeld T, Umminger J, Fleissner F, Koigeldiyev N, Krueger H, Puntigam J, Haverich A, Shrestha M. Total aortic arch repair: risk factor analysis and follow-up in 199 patients. *Eur J Cardiothorac Surg* 2016;50(5):940-948

Netuka I, Litzler PY, Berchtold-Herz M, Fletcher E, Zimpfer D, Damme L, Sundareswaran KS, Farrar DJ, Schmitto JD, EU TRACE Investigators. Outcomes in HeartMate II Patients With No Antiplatelet Therapy: 2-Year Results From the European TRACE Study *Ann Thorac Surg* 2017;103(4):1262-1268

Neubauer S, Schilling T, Zeidler J, Lange A, Engel S, Linder R, Verheyen F, von der Schulenburg JG, Haverich A. Auswirkung einer leitliniengerechten Behandlung auf die Mortalität bei Linksherzinsuffizienz Herz 2016;41(7):614-624

Neubauer S, Zeidler J, Schilling T, Engel S, Linder R, Verheyen F, Haverich A, von der Schulenburg JG. Suitability and Usability of Claims Data for Review of Guidelines for the Treatment of Chronic Heart Failure *Gesundheitswesen* 2016;78(S 01):e135-e144

Neumann A, Sarikouch S, Bobylev D, Meschenmoser L, Breymann T, Westhoff-Bleck M, Scheid M, Tzanavaros I, Bertram H, Beerbaum P, Haverich A, Boethig D, Horke A. Long-term results after repair of anomalous origin of left coronary artery from the pulmonary artery: Takeuchi repair versus coronary transfer. *Eur J Cardiothorac Surg* 2016;DOI: 10.1093/ejcts/ezw268

Noyan F, Zimmermann K, Hardtke-Wolenski M, Knoefel A, Schulde E, Geffers R, Hust M, Huehn J, Galla M, Morgan M, Jokuszies A, Manns MP, Jaeckel E. Prevention of allograft rejection by use of regulatory T cells with a MHC-specific chimeric antigen receptor. *Am J Transplant* 2017;17(4):917-930

Pflaum M, Kühn-Kauffeldt M, Schmeckebeier S, Dipresa D, Chauhan K, Wiegmann B, Haug RJ, Schein J, Haverich A, Korossis S. Endothelialization and characterization of titanium dioxide-coated gas-exchange membranes for application in the bioartificial lung. *Acta Biomater* 2017;50:510-521

Pils MC, Dreckmann K, Jansson K, Glage S, Held N, Sommer W, Länger F, Avsar M, Warnecke G, Bleich A. Mortality Due to Porcine Reproductive and Respiratory Syndrome Virus in Immunocompromised Gottingen Minipigs (*Sus scrofa domestica*) *Comp Med* 2016;66(5):392-398

Rademacher J, Ringshausen FC, Suhling H, Fuge J, Marsch G, Warnecke G, Haverich A, Welte T, Gottlieb J. Lung transplantation for non-cystic fibrosis bronchiectasis. *Respir Med* 2016;115:60-65

Ramm R, Niemann H, Petersen B, Haverich A, Hilfiker A. Decellularized GGTA1-KO pig heart valves do not bind preformed human xenoantibodies *Basic Res Cardiol* 2016;111(4):39

Reiss N, Schmidt T, Workowski A, Willemse D, Schmitto JD, Haverich A, Bjarnason-Wehrens B. Physical capacity in LVAD patients: hemodynamic principles, diagnostic tools and training control. *Int J Artif Organs* 2016;39(9):451-459

Rojas SV, Avsar M, Hanke JS, Uribarri A, Rojas-Hernandez S, Sanchez PL, González-Santos JM, Haverich A, Schmitto JD. Asistencia ventricular izquierda para terapia de destino: primera experiencia en septuagenarios. *Circ Cardiovasc* 2016;23(Supplement 1):49-54

Rojas SV, Hanke JS, Haverich A, Schmitto JD. Chronic ventricular assist device support: surgical innovation *Curr Opin Cardiol* 2016;31(3):308-312

Rojas SV, Meier M, Zweigerdt R, Eckardt D, Rathert C, Schecker N, Schmitto JD, Rojas-Hernandez S, Martin U, Kutschka I, Haverich A, Martens A. Multimodal Imaging for In Vivo Evaluation of Induced Pluripotent Stem Cells in a Murine Model of Heart Failure. *Artif Organs* 2016;DOI: 10.1111/aor.12728

Rutten D, Verleden SE, Bijnens EM, Winckelmans E, Gottlieb J, Warnecke G, Meloni F, Morosini M, Van Der Bij W, Verschueren EA, Sommerwerck U, Weinreich G, Kamler M, Roman A, Gomez-Olles S, Berastegui C, Benden C, Holm AM, Iversen M, Schultz HH, Luijk B, Oudijk EJ, Kwakkel-van Erp JM, Jaksch P, Klepetko W, Kneidinger N, Neurohr C, Corris P, Fisher AJ, Lordan J, Meachery G, Piloni D, Van-

dermeulen E, Bellon H, Hoffmann B, Vienneau D, Hoek G, de Hoogh K, Nemery B, Verleden GM, Vos R, Nawrot TS, Vanaudenaerde BM. An association of particulate air pollution and traffic exposure with mortality after lung transplantation in Europe Eur Respir J 2017;49:1600484

Salman J, Ius F, Knoefel AK, Sommer W, Siemeni T, Kuehn C, Tudorache I, Avsar M, Nakagiri T, Preissler G, Hatz R, Greer M, Welte T, Haverich A, Warnecke G. Association of higher CD4+ CD25high CD127low , FoxP3+, and IL-2+ T cell frequencies early after lung transplantation with less chronic lung allograft dysfunction at two years. Am J Transplant 2017;17(6):1637-1648

Sarikouch S, Horke A, Tudorache I, Beerbaum P, Westhoff-Bleck M, Boethig D, Repin O, Maniuc L, Ciubotaru A, Haverich A, Cebotari S. Decellularized fresh homografts for pulmonary valve replacement: a decade of clinical experience Eur J Cardiothorac Surg 2016;50(2):281-290

Schmitto JD, Fleissner F, Hanke J, Rojas S, Avsar M, Martens A, Shrestha M, Haverich A, Strueber M. Repair of an acute Type A aortic dissection with LVAD patient after failed mitral and tricuspid operation Clin Case Rep 2016;4(4):387-389

Schmitto JD, Zimpfer D, Fiane AE, Larbalestier R, Tsui S, Jansz P, Simon A, Schueler S, Strueber M. Long-term support of patients receiving a left ventricular assist device for advanced heart failure: a follow-up analysis of the Registry to Evaluate the HeartWare Left Ventricular Assist System Eur J Cardiothorac Surg 2016;50(5):834-838

Schneider-Barthold C, Baganz S, Wilhelm M, Scheper T, Pepelanova I. Hydrogels based on collagen and fibrin – frontiers and applications. BioNanoMaterials 2016;17(1-2):3-12

Schoenfeld C, Cebotari S, Hinrichs J, Renne J, Kaireit T, Olsson KM, Voskrebenev A, Gutberlet M, Hoeper MM, Welte T, Haverich A, Wacker F, Vogel-Claussen J. MR Imaging-derived Regional Pulmonary Parenchymal Perfusion and Cardiac Function for Monitoring Patients with Chronic Thromboembolic Pulmonary Hypertension before and after Pulmonary Endarterectomy. Radiology 2016;279(3):925-934

Schulz A, Krabatsch T, Schmitto JD, Hetzer R, Seidel M, Dohmen PM, Hotz H. Preliminary Results From the C-Pulse OPTIONS HF European Multicenter Post-Market Study Med Sci Monit Basic Res 2016;22:14-19

Schuster A, Hor KN, Kowallick JT, Beerbaum P, Kutty S. Cardiovascular Magnetic Resonance Myocardial Feature Tracking: Concepts and Clinical Applications. Circ Cardiovasc Imaging 2016;9(4):e004077

Shang Q, Sarikouch S, Patel S, Schuster A, Steinmetz M, Ou P, Danford DA, Beerbaum P, Kutty S. Assessment of ventriculo-vascular properties in repaired coarctation using cardiac magnetic resonance-derived aortic, left atrial and left ventricular strain Eur Radiol 2017;27(1):167-177

Shrestha M, Haverich A, Martens A. Frozen elephant trunk versus single-stage open repair for extensive thoracic aortic disease J Thorac Cardiovasc Surg 2016;151(4):1216-1217

Shrestha M, Haverich A, Martens A. Total aortic arch replacement with the frozen elephant trunk procedure in acute DeBakey type I aortic dissections Eur J Cardiothorac Surg 2017;51(suppl 1):i29-i34

Shrestha M, Kaufeld T, Beckmann E, Fleissner F, Umminger J, Abd Alhadi F, Boethig D, Krueger H, Haverich A, Martens A. Total aortic arch replacement with a novel 4-branched frozen elephant trunk prosthesis: Single-center results of the first 100 patients J Thorac Cardiovasc Surg 2016;152(1):148-159.e1

Shrestha M. Aortic valve replacement via right anterior thoracotomy with sutureless valves: The way to go! J Thorac Cardiovasc Surg 2016;152(6):1547-1548

Siemeni T, Knöfel AK, Madrahimov N, Sommer W, Avsar M, Salman J, Ius F, Frank N, Büchler G, Jonigk D, Jansson K, Maus U, Tudorache I, Falk CS, Haverich A, Warnecke G. In Vivo Development of Transplant Arteriosclerosis in Humanized Mice Reflects Alloantigen Recognition and Peripheral Treg Phenotype of Lung Transplant Recipients. Am J Transplant 2016;16(11):3150-3162

Sommer W, Hallensleben M, Ius F, Kühn C, Tudorache I, Avsar M, Salman J, Siemeni T, Greer M, Gottlieb J, Boethig D, Blasczyk R, Haverich A, Warnecke G. Repeated human leukocyte antigen mismatches in lung re-transplantation Transpl Immunol 2017;40:1-7

Stanslowsky N, Jahn K, Venneri A, Naujock M, Haase A, Martin U, Frieling H, Wegner F. Functional effects of cannabinoids during dopaminergic specification of human neural precursors derived from induced pluripotent stem cells Addict Biol 2016:DOI: 10.1111/adb.12394

Strueber M, Warnecke G, Fuge J, Simon AR, Zhang R, Welte T, Haverich A, Gottlieb J. Everolimus versus mycophenolate mofetil de novo after lung transplantation - a prospective, randomized, open-label trial. Am J Transplant 2016;16(11):3171-3180

Suhling H, Dettmer S, Greer M, Fuehner T, Avsar M, Haverich A, Welte T, Gottlieb J. Phenotyping Chronic Lung Allograft Dysfunction Using Body Plethysmography and Computed Tomography. *Am J Transplant* 2016;16(11):3163-3170

Suhling H, Gottlieb J, Bara C, Taubert R, Jäckel E, Schiffer M, Bräsen JH. Chronische Abstossung: Unterschiede und Ähnlichkeiten bei verschiedenen soliden Organtransplantationen. *Internist (Berl)* 2016;57(1):25-37

Theodoridis K, Müller J, Ramm R, Findeisen K, Andrée B, Korossis S, Haverich A, Hilfiker A. Effects of combined cryopreservation and decellularization on the biomechanical, structural and biochemical properties of porcine pulmonary heart valves. *Acta Biomater* 2016;43:71-77

Tudorache I, Horke A, Cebotari S, Sarikouch S, Boethig D, Breymann T, Beerbaum P, Bertram H, Westhoff-Bleck M, Theodoridis K, Bobylev D, Cheptanaru E, Ciubotaru A, Haverich A. Decellularized aortic homografts for aortic valve and aorta ascendens replacement. *Eur J Cardiothorac Surg* 2016;50(1):89-97

Umminger J, Krueger H, Beckmann E, Kaufeld T, Fleissner F, Haverich A, Shrestha M, Martens A. Management of early graft infections in the ascending aorta and aortic arch: a comparison between graft replacement and graft preservation techniques. *Eur J Cardiothorac Surg* 2016;50(4):660-667

Umminger J, Reitz M, Rojas SV, Stiefel P, Shrestha M, Haverich A, Ismail I, Martens A. Does the surgeon's experience have an impact on outcome after total arterial revascularization with composite T-grafts? A risk factor analysis. *Interact Cardiovasc Thorac Surg* 2016;23(5):749-756

Urbanski PP, Luehr M, Di Bartolomeo R, Diegeler A, De Paulis R, Esposito G, Bonser RS, Etz CD, Kallenbach K, Rylski B, Shrestha ML, Tsagakis K, Zacher M, Zierer A. Multicentre analysis of current strategies and outcomes in open aortic arch surgery: heterogeneity is still an issue. *Eur J Cardiothorac Surg* 2016;50(2):249-255

Uriel N, Adaty S, Maly J, Kruse E, Rodgers D, Heatley G, Herman A, Sood P, Berliner D, Bauersachs J, Haverich A, Zelizko M, Schmitto JD, Netuka I. Clinical hemodynamic evaluation of patients implanted with a fully magnetically levitated left ventricular assist device (Heart-Mate 3). *J Heart Lung Transplant* 2017;36(1):28-35

Viereck J, Kumarswamy R, Foinquinos A, Xiao K, Avramopoulos P, Kunz M, Dittrich M, Maetzig T, Zimmer K, Remke J, Just A, Fendrich J, Scherf K, Bolesani E, Schambach A, Weidemann F, Zweigerdt R, de Windt LJ, Engelhardt S, Dandekar T, Batkai S, Thum T. Long noncoding RNA Chast promotes cardiac remodeling. *Sci Transl Med* 2016;8(326):326ra22

Vogl M, Warnecke G, Haverich A, Gottlieb J, Welte T, Hatz R, Hunger M, Leidl R, Lingner H, Behr J, Winter H, Schramm R, Zwissler B, Hagl C, Strobl N, Jaeger C, Preissler G. Lung transplantation in the spotlight: Reasons for high-cost procedures. *J Heart Lung Transplant* 2016;35(10):1227-1236

Wahlers TC, Haverich A, Borger MA, Shrestha M, Kocher AA, Walther T, Roth M, Misfeld M, Mohr FW, Kempfert J, Dohmen PM, Schmitz C, Rahamanian P, Wiedemann D, Duhay FG, Laufer G. Early outcomes after isolated aortic valve replacement with rapid deployment aortic valve. *J Thorac Cardiovasc Surg* 2016;151(6):1639-1647

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. *Basic Res Cardiol* 2016;111(6):68

Weber S, Haverich A. Bahnbrechende chirurgische Innovationen in Deutschland : Teil 1: Generierung medizinischer Evidenz. *Chirurg* 2016;87(5):423-432

Weber S, Haverich A. Bahnbrechende chirurgische Innovationen in Deutschland : Teil 2: Öffentliche Finanzierung und Ursprünge chirurgischer Innovationen. *Chirurg* 2016;87(5):433-437

Wiegmann B, von Seggern H, Höffler K, Korossis S, Dipresa D, Pflaum M, Schmeckbier S, Seume J, Haverich A. Developing a biohybrid lung - sufficient endothelialization of poly-4-methyl-1-pentene gas exchange hollow-fiber membranes. *J Mech Behav Biomed Mater* 2016;60:301-311

Wilhelmi M. Techniques of conventional abdominal aorta repair. *Z Herz- Thorax- Gefäßchir* 2016;30(3):147-156

Zimpfer D, Netuka I, Schmitto JD, Pya Y, Garbade J, Morshuis M, Beyersdorf F, Marasco S, Rao V, Damme L, Sood P, Krabatsch T. Multi-centre clinical trial experience with the HeartMate 3 left ventricular assist device: 30-day outcomes. *Eur J Cardiothorac Surg* 2016;50(3):548-554

Zimpfer D, Strueber M, Aigner P, Schmitto JD, Fiane AE, Larbalestier R, Tsui S, Jansz P, Simon A, Schueler S, Moscato F, Schima H. Evaluation of the HeartWare ventricular assist device Lavare cycle in a particle image velocimetry model and in clinical practice Eur J Cardiothorac Surg 2016;50(5):839-848

### **Übersichtsarbeiten**

David S, Napp LC, Kühn C, Hoeper MM. Extrakorporale Membranoxygenierung : Prinzip und internistische Indikationen. Internist (Berl) 2016;57(9):856-863

Kropp C, Massai D, Zweigerdt R. Progress and challenges in large-scale expansion of human pluripotent stem cells. Process biochemistry 2016;DOI: 10.1016/j.procbio.2016.09.032

Merkert S, Martin U. Site-Specific Genome Engineering in Human Pluripotent Stem Cells Int J Mol Sci 2016;17(7):DOI: 10.3390/ijms17071000

Merkert S, Martin U. Targeted genome engineering using designer nucleases: State of the art and practical guidance for application in human pluripotent stem cells Stem Cell Res 2016;16(2):377-386

Willbold E, Weizbauer A, Loos A, Seitz JM, Angrisani N, Windhagen H, Reifenrath J. Magnesium alloys: A stony pathway from intensive research to clinical reality. Different test methods and approval-related considerations J Biomed Mater Res A 2017;105(1):329-347

### **Letter**

Hanke JS, Haverich A, Schmitto JD. Right heart failure after left ventricular assist devices: Surgical considerations J Heart Lung Transplant 2016;35(3):395-396

Haverich A. Schwächen von Studien dürfen in der Chirurgie nicht übersehen werden. Chirurg 2016;87(11):978-979

### **Case reports**

Brehm MU, Sonnenschein K, Treptau J, Aper T, Bauersachs J, Akin M. Pseudoaneurysma nach transradialer Punktion bei systemischer Lyse einer Basilaristhrombose Dtsch Med Wochenschr 2016;141(3):211-214

Brehm MU, Sonnenschein K, Treptau J, Aper T, Bauersachs J, Akin M. Pseudoaneurysma nach transradialer Punktion bei systemischer Lyse einer Basilaristhrombose : Erratum. Dtsch Med Wochenschr 2016;141(3):e38

Kaufeld T, Zeckey C, Marquardt S, Krettek C, Haverich A, Tudorache I. A Close Call: An Impacted Knife Injury to the Thorax. Ann Thorac Surg 2016;102(6):e545-e546

Lueck C, Kuehn C, Hoeper MM, Ganser A, Eder M, Beutel G. Successful use of extracorporeal membrane oxygenation during induction chemotherapy in a patient with mediastinal tumor mass of a T lymphoblastic lymphoma. Ann Hematol 2016;95(10):1719-1721

Pfeffer TJ, König T, Duncker D, Michalski R, Hohmann S, Oswald H, Schmitto JD, Veltmann C. Subcutaneous Implantable Cardioverter-Defibrillator Shocks After Left Ventricular Assist Device Implantation Circ Arrhythm Electrophysiol 2016;9(11):e004633

Sieweke JT, Westhoff-Bleck M, Napp LC, Avsar M, Vogel-Claussen J, Schäfer A, Bauersachs J, Brehm M. Myocardial infarction in grown up patients with congenital heart disease: An emerging high-risk combination Int J Cardiol 2016;203:138-140

### **Comments**

Warnecke G. Ex Vivo Treatment Transplantation 2016;100(7):1400-1401

### **Editorials**

Marino M, Korossis S. Cardiovascular biomechanics in health and disease J Biomech 2016;49(12):2319-2320

Schrimpf C, Teebken OE. Bacteria of atheromatous leg arteries responsible for inflammation Comment on Olszewski, et al., p. 379 - 385 Vasa 2016;45(5):349-350

### **Abstracts**

Krabatsch T, Schmitto JD, Pya Y, Zimpfer D, Garbade J, Rao V, Morshuis M, Marasco S, Beyersdorf F, Sood P, Damme L, Netuka I. Heart-Mate 3 Fully Magnetically Levitated Left Ventricular Assist Device for the Treatment of Advanced Heart Failure -1 Year Results from the CE Mark Trial. J Heart Lung Transplant 2016;35(4):S9

Lau S, Bör U. Silencing HLA class-I expression in allogeneic endothelial cells maintains morphological und functional properties necessary for vascular tissue engineering. TERMIS-EU, 26.06.-01.07.2016, Uppsala

Rao V, Netuka I, Schmitto J, Pya Y, Heatley J, Damme L. An Examination of Bleeding and Thromboembolic Complications during the First Year of Support with the HeartMate 3 Fully Magnetically-Levitated Left Ventricular Assist Device. *J Heart Lung Transplant* 2016;35(4):S40

Rojas SV, Avsar M, Hillert M, Hanke JS, Uribarri A, Tuemler K, Kuehn C, Haverich A, Schmitto JD. LVAD Implantation in Cardiogenic Shock: Improved Outcome by Less Invasive Surgery. *J Heart Lung Transplant* 2016;35(4):S379

Schmitto JD, Rojas SV, Avsar M, Hanke JS, Uribarri A, Burkhoff D, Tümler K, Ahrens P, Molitoris U, Martens A, Berliner D, Bauersachs J, Shrestha M, Cebotari S, Strüber M, Haverich A. Less-Invasive Left Ventricular Assist Device Implantations: Experience after More Than 100 Treated Patients. *J Heart Lung Transplant* 2016;35(4):S40

Schubert M, Merkert S, Haase A, Engels L, Haller R, Lachmann N, Moritz T, de la Roche J, Tümler B, Galietta L, Martin U. Generation of disease-specific iPSCs and development of transgenic reporter cell lines for cystic fibrosis disease modelling and drug screening. 10th European CF Young Investigators Meeting, 10.-12.Februar 2016, Paris

Weber N, Wendland M, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Martin U, Brenner B, Zweigerdt R, Kraft T. Maturation towards pure beta-myosin protein expression and corresponding functional properties of individual hESC-cardiomyocytes. Biophysical Society Meeting, 27.Februar - 02.März 2016, Los Angeles, USA

Weder, Julia (B.Sc.): Commission, Optimisation and Validation of an Oxygenation Bioreactor for the Assessment of Endothelialised Gas Exchange Film-membranes

Wendland M, Weber N, Greten S, Schwanke K, Iorga B, Fischer M, Geers-Knörr C, Wrede C, Hegermann J, Martin U, Brenner B, Zweigerdt R, Kraft T. Human embryonic stem-cell derived cardiomyocytes: Maturation on stiff matrix induces pure beta-myosin protein expression and adult-like functional properties at the single-cell level. 95th Annual Meeting of the Deutsche Physiologische Gesellschaft, 03.-05.März 2016, Lübeck

### **Vortrag**

Bör U, Wilhelmi M. Generierung einer optimierten bioartifiziellen Gefäßprothese und Charakterisierung ihres immunogenen Potentials durch in vitro und in vivo Untersuchungen. Translation Masterclass der Else Kröner-Fresenius Stiftung, November 2016

Bör U, Wilhelmi M. Intensified decellularization of equine vascular xenografts improves removal of cellular components but maintains immunogenicity towards the extracellular matrix protein collagen type VI. Workshop Transplant Immunology, Mai 2016

Lau S, Bör U. Silencing HLA class-I expression in allogeneic endothelial cells maintains morphological und functional properties necessary for vascular tissue engineering. TERMIS-EU, 26.06.-01.07.2016, Uppsala

### **Poster**

Jeinsen N, Bör U. Intensified decellularization confers a higher biocompatibility of equine carotid arteries after subcutaneous implantation in rat. TERMIS-EU, 26.06.-01.07.2016, Uppsala

Lau S, Bör U. Differentiation of adipose-derived mesenchymal stem cells to contractile smooth muscle cells for fibrin-based vascular tissue engineering. TERMIS-EU, 26.06.-01.07.2016, Uppsala

Lau S, Bör U. Silencing HLA class-I expression in allogeneic endothelial cells maintains morphological und functional properties necessary for vascular tissue engineering. TERMIS-EU, 26.06.-01.07.2016, Uppsala

### **Habilitationen**

Bör, Ulrike (PD Dr. rer. nat.): Entwicklung einer bioartifiziellen Gefäßprothese und Charakterisierung ihres immunogenen Potentials in vitro und in vivo  
MHH-Signatur: D 80199

## Promotionen

Haller, Ralf (Dr. rer. nat.): Differentiation of pluripotent stem cells into cholangiocytelike cells for disease modeling and drug screening  
MHH-Signatur: D 80516

Ius, Fabio (Dr. med.): Auswirkungen von früh detektierbaren spenderspezifischen HLA-Antikörpern in der Lungentransplantation Risikofaktoren und Effekte auf das Überleben der Patienten  
MHH-Signatur: D 80453

Osetek, Katarzyna (Dr. rer. nat. M.Sc.): Induction of pluripotent stem cells from young versus aged somatic cells differences in reprogramming rates, karyotypic abnormalities and frequency of accumulated mutations  
MHH-Signatur: D 80515

Redwan, Ahmed (Dr. med.): Perioperative Analysemethoden zur Früherkennung spinaler Ischämie beim thorakoabdominellen Aortenersatz  
MHH-Signatur: D 80616

Ritter, Christoph (Dr. med.): Solitäre fibröse Pleuratumoren retrospektive, multizentrische Analyse des Langzeitverlaufes nach chirurgischer Tumorresektion histologisch benigner und maligner Tumoren  
MHH-Signatur: D 80473

Witthuhn, Anett (Dr. rer. nat. M.Sc.): Consequences of L1-mediated retrotransposition for genomic stability of human induced pluripotent stem cells  
MHH-Signatur: D 80523

## Masterarbeiten

Gitte, Sven (M. Sc.): Entwicklung einer innovativen Scaffoldstruktur für das valvuläre Tissue Engineering

Pudrycki, Lisa-Marie (M. Sc.): Entwicklung von Fibrin-Patches für die kardiovaskuläre Anwendung

## Bachelorarbeiten

Kitsch, Eileen (B.Sc.): Biomechanical and Histological characterization of a Decellularised Pericardial Mitral Valve

## CRC Core Facility – 8660

### Originalpublikationen

Beck SM, Ruge H, Schindler C, Burkart M, Miller R, Kirschbaum C, Goschke T. Effects of Ginkgo biloba extract EGb 761(R) on cognitive control functions, mental activity of the prefrontal cortex and stress reactivity in elderly adults with subjective memory impairment - a randomized double-blind placebo-controlled trial. *Hum Psychopharmacol* 2016;31(3):227-242

Huhle R, Siegert J, Wonka F, Schindler C, de Abreu MG, Koch T, Morgenstern U, Theilen H. Assessing the eligibility of a non-invasive continuous blood pressure measurement technique for application during total intravenous anaesthesia. *Biomed Tech (Berl)* 2016;61(3):369-379

Jordan J, Stinkens R, Jax T, Engeli S, Blaak EE, May M, Havekes B, Schindler C, Albrecht D, Pal P, Heise T, Goossens GH, Langenickel TH. Improved Insulin Sensitivity With Angiotensin Receptor Neprilysin Inhibition in Individuals With Obesity and Hypertension. *Clin Pharmacol Ther* 2017;101(2):254-263

May M, Schindler C. Clinically and pharmacologically relevant interactions of antidiabetic drugs. *Ther Adv Endocrinol Metab* 2016;7(2):69-83

Neubert N, Vogt PM, May M, Boyce M, Koenneker S, Budde E, Jokuszies A. Does an Early and Aggressive Combined Wrapping and Dantongue Procedure Affect the Clinical Outcome of Lower Extremity Free Flaps? -A Randomized Controlled Prospective Study Using Microdialysis Monitoring. *J Reconstr Microsurg* 2016;32(4):262-270

## Klinik für Kinderchirurgie – 6760

### Originalpublikationen

Ammann S, Lehmberg K, Zur Stadt U, Janka G, Rensing-Ehl A, Kleemann C, Heeg M, Bode S, Fuchs I, Ehl S, HLH study of the GPOH. Primary and secondary hemophagocytic lymphohistiocytosis have different patterns of T-cell activation, differentiation and repertoire. Eur J Immunol 2017;47(2):364-373

Bagci S, Brosens E, Tibboel D, De Klein A, IJsselstijn H, Wijers CH, Roeleveld N, de Blaauw I, Broens PM, van Rooij IA, Hölscher A, Boemers TM, Pauly M, Münsterer OJ, Schmiedeke E, Schäfer M, Ure BE, Lacher M, Choinitzki V, Schumacher J, Zwink N, Jenetzky E, Katzer D, Arand J, Bartmann P, Reutter HM. More than fetal urine: enteral uptake of amniotic fluid as a major predictor for fetal growth during late gestation. Eur J Pediatr 2016;175(6):825-831

Brosens E, Marsch F, de Jong EM, Zaveri HP, Hilger AC, Choinitzki VG, Hölscher A, Hoffmann P, Herms S, Boemers TM, Ure BM, Lacher M, Ludwig M, Eussen BH, van der Helm RM, Dounen H, Van Opstal D, Wijnen RM, Beverloo HB, van Bever Y, Brooks AS, IJsselstijn H, Scott DA, Schumacher J, Tibboel D, Reutter H, de Klein A. Copy number variations in 375 patients with oesophageal atresia and/or tracheoesophageal fistula. Eur J Hum Genet 2016;24(12):1715-1723

Dingemann C, Ure BM. Aktuelle Therapiekonzepte der Ösophagusatresie. Monatsschr Kinderheilkd 2016;164(10):844-849

Dingemann J, Szczepanski R, Ernst G, Thyen U, Ure B, Goll M, Menrath I. Erratum: Transition of Patients with Esophageal Atresia to Adult Care: Results of a Transition-Specific Education Program. Eur J Pediatr Surg 2017;27(1):e1-e2

Dingemann J, Szczepanski R, Ernst G, Thyen U, Ure B, Goll M, Menrath I. Transition of Patients with Esophageal Atresia to Adult Care: Results of a Transition-Specific Education Program. Eur J Pediatr Surg 2017;27(1):61-67

Gosemann JH, Lange A, Zeidler J, Blaser J, Dingemann C, Ure BM, Lacher M. Appendectomy in the pediatric population-a German nationwide cohort analysis. Langenbecks Arch Surg 2016;401(5):651-659

Kleemann C, Esquivel M, Magerus-Chatinet A, Lorenz MR, Fuchs I, Neveux N, Castelle M, Rohr J, Bettoni da Cunha C, Ebinger M, Kobbe R, Kremens B, Kollert F, Gambineri E, Lehmberg K, Seidel MG, Siepermann K, Voelker T, Schuster V, Goldacker S, Schwarz K, Speckmann C, Picard C, Fischer A, Rieux-Laucat F, Ehl S, Rensing-Ehl A, Neven B. Evolution of disease activity and biomarkers on and off rapamycin in 28 patients with autoimmune lymphoproliferative syndrome Haematologica 2017;102(2):e52-e56

Kleemann C, Pannicke U, Morris-Rosendahl DJ, Vlantis K, Rizzi M, Uhlig H, Vraetz T, Speckmann C, Strahm B, Pasparakis M, Schwarz K, Ehl S, Rohr JC. Transplantation from a symptomatic carrier sister restores host defenses but does not prevent colitis in NEMO deficiency. Clin Immunol 2016;164:52-56

Madadi Sanjani O, Recke A, Langan EA, Recke AL, Kahle BK. Diagnostic and Prognostic Value of the Tracer-Count-Rate in Sentinel-Nodes in Melanoma – A Cohort Study. J Clin Exp Dermatol Res 2016;7(6):376

Pohl A, Petersen C, Kammer B, von Schweinitz D. Angeborene Lungenfehlbildungen. Monatsschr Kinderheilkd 2016;164(10):869-874

Schukfeh N, Holland AC, Hoyer DP, Gallinat A, Paul A, Schulze M. Liver transplantation in infants with biliary atresia: comparison of primary versus temporary abdominal closure Langenbecks Arch Surg 2017;402(1):135-141

Takahashi T, Friedmacher F, Zimmer J, Puri P. Decreased Desmin expression in the developing diaphragm of the nitrofen-induced congenital diaphragmatic hernia rat model. Pediatr Surg Int 2016;32(12):1127-1132

Takahashi T, Friedmacher F, Zimmer J, Puri P. Decreased expression of hepatocyte growth factor in the nitrofen model of congenital diaphragmatic hernia. Pediatr Surg Int 2016;32(10):967-973

Takahashi T, Friedmacher F, Zimmer J, Puri P. Decreased expression of monocarboxylate transporter 1 and 4 in the branching airway epithelium of nitrofen-induced congenital diaphragmatic hernia. J Pediatr Surg 2016;51(6):896-899

Takahashi T, Friedmacher F, Zimmer J, Puri P. Expression of T-box transcription factors 2, 4 and 5 is decreased in the branching airway mesenchyme of nitrofen-induced hypoplastic lungs. Pediatr Surg Int 2017;33(2):139-143

Takahashi T, Friedmacher F, Zimmer J, Puri P. Fibrillin-1 Expression Is Decreased in the Diaphragmatic Muscle Connective Tissue of Nitrofen-Induced Congenital Diaphragmatic Hernia. Eur J Pediatr Surg 2017;27(1):26-31

Takahashi T, Friedmacher F, Zimmer J, Puri P. Increased c-kit and stem cell factor expression in the pulmonary vasculature of nitrofen-induced congenital diaphragmatic hernia. *J Pediatr Surg* 2016;51(5):706-709

Takahashi T, Zimmer J, Friedmacher F, Puri P. Expression of Prx1 and Tcf4 is decreased in the diaphragmatic muscle connective tissue of nitrofen-induced congenital diaphragmatic hernia. *J Pediatr Surg* 2016;51(12):1931-1935

Ure B, von Schweinitz D. Aktuelle Aspekte und kontroverse Standpunkte der Kinderchirurgie. *Monatsschr Kinderheilkd* 2016;164(10):843-843

Völk S, Rensing-Ehl A, Allgäuer A, Schreiner E, Lorenz MR, Rohr J, Klemann C, Fuchs I, Schuster V, von Bueren AO, Naumann-Bartsch N, Gambineri E, Siepermann K, Kobbe R, Nathrath M, Arkwright PD, Miyano M, Stachel KD, Metzler M, Schwarz K, Kremer AN, Speckmann C, Ehl S, Mackensen A. Hyperactive mTOR pathway promotes lymphoproliferation and abnormal differentiation in autoimmune lymphoproliferative syndrome. *Blood* 2016;128(2):227-238

Weaver KL, Baerg JE, Okawada M, Miyano G, Barsness KA, Lacher M, Gonzalez DO, Minneci PC, Perger L, St Peter SD. A Multi-Institutional Review of Thoracoscopic Congenital Diaphragmatic Hernia Repair. *J Laparoendosc Adv Surg Tech A* 2016;26(10):825-830

Wimmer K, Beilken A, Nustedt R, Ripperger T, Lamottke B, Ure B, Steinmann D, Reineke-Plaass T, Lehmann U, Zschocke J, Valle L, Fauth C, Kratz CP. A novel germline POLE mutation causes an early onset cancer prone syndrome mimicking constitutional mismatch repair deficiency. *Fam Cancer* 2017;16(1):67-71

Zani A, Eaton S, Morini F, Puri P, Rintala R, Heurn EV, Lukac M, Bagolan P, Kuebler JF, Friedmacher F, Wijnen R, Tovar JA, Hoellwarth ME, Pierro A, EUPSA Network Office. European Paediatric Surgeons' Association Survey on the Management of Hirschsprung Disease. *Eur J Pediatr Surg* 2017;27(1):96-101

Zimmer J, Takahashi T, Hofmann AD, Puri P. Decreased Endoglin expression in the pulmonary vasculature of nitrofen-induced congenital diaphragmatic hernia rat model. *Pediatr Surg Int* 2017;33(2):263-268

Zimmer J, Takahashi T, Hofmann AD, Puri P. Imbalance of NFATc2 and KV1.5 Expression in Rat Pulmonary Vasculature of Nitrofen-Induced Congenital Diaphragmatic Hernia. *Eur J Pediatr Surg* 2017;27(1):68-73

## Übersichtsarbeiten

Klemann C, Wagner L, Stephan M, von Hörsten S. Cut to the chase: a review of CD26/dipeptidyl peptidase-4's (DPP4) entanglement in the immune system. *Clin Exp Immunol* 2016;185(1):1-21

Verkade HJ, Bezerra JA, Davenport M, Schreiber RA, Mieli-Vergani G, Hulscher JB, Sokol RJ, Kelly DA, Ure B, Whitington PF, Samyn M, Petersen C. Biliary atresia and other cholestatic childhood diseases: Advances and future challenges. *J Hepatol* 2016;65(3):631-642

Wagner L, Klemann C, Stephan M, von Hörsten S. Unravelling the immunological roles of dipeptidyl peptidase 4 (DPP4) activity and/or structure homologue (DASH) proteins. *Clin Exp Immunol* 2016;184(3):265-283

## Comments

Guys JM, Ure B. Prof. Pascal de Lagausie (1960-2016). *Eur J Pediatr Surg* 2016;26(2):221-222

Holcomb GW, 3rd, Ure B. Jay L. Grosfeld, MD (1935-2016). *Eur J Pediatr Surg* 2016;26(6):542

Klemann C, Petersen C, Kuebler JF. Reply. *Gastroenterology* 2016;150(7):1692-1693

Ure B. Prof. Daniel H. Teitelbaum, MD (1957-2016). *Eur J Pediatr Surg* 2016;26(5):465

## Editorials

Wester T, Ure B. European Paediatric Surgeons' Association (EUPSA). *Eur J Pediatr Surg* 2016;26(1):1

## Buchbeiträge, Monografien

Petersen C. Die Gallengangatresie und andere Lebererkrankungen des Neugeborenen Biliary Atresia and Related Disorders – BARD, BARD Berlin 2014. Lengerich: Pabst Science Publishers, 2016. 90 S. (Forschung, Innovation und Effizienz im Gesundheitswesen ; Band 8)

## Herausgeberschaften

Petersen C, Ure B [Hrsg.]: Thoracic surgery in children and adolescents. Berlin: De Gruyter, 2017. XV, 285 Seiten

## **Habilitationen**

Dingemann, Carmen (PD Dr. med.): Die operative Therapie der Ösophagusatresie Konzepte und Resultate  
MHH-Signatur: D 80193

## **Promotionen**

Feng, Xiaoyan (Dr. med.): Dreidimensionale (3D) Laparoskopie in der Kinderchirurgie eine Studie am Tiermodell  
MHH-Signatur: D 80372

Neis, Jan Philipp (Dr. med.): Lärmreduktion im Operationssaal Auswirkungen auf Stressparameter und das Wohlbefinden von Chirurgen  
MHH-Signatur: D 80436

## **Klinik für Plastische, Ästhetische, Hand- und Wiederherstellungs chirurgie – 6260**

### **Originalpublikationen**

Berg L, Meyer S, Ipaktchi R, Vogt PM, Muller A, de Zwaan M. Psychosoziale Belastungen zu verschiedenen Zeitpunkten nach Brandverletzung. Psychother Psychosom Med Psychol 2016;DOI: 10.1055/s-0042-111006

Gamrekelashvili J, Giagnorio R, Jussofie J, Soehnlein O, Duchene J, Briseño CG, Ramasamy SK, Krishnasamy K, Limbourg A, Kapanadze T, Ishifune C, Hinkel R, Radtke F, Strobl LJ, Zimber-Strobl U, Napp LC, Bauersachs J, Haller H, Yasutomo K, Kupatt C, Murphy KM, Adams RH, Weber C, Limbourg FP. Regulation of monocyte cell fate by blood vessels mediated by Notch signalling Nat Commun 2016;7:12597

Könneker S, Broelsch GF, Kuhbier JW, Framke T, Neubert N, Dastagir K, Mett T, Vogt PM, Jokuszies A. Outcome Analysis of End-to-End and End-to-Side Anastomoses in 131 Patients Undergoing Microsurgical Free Flap Reconstruction of the Lower Extremity. J Reconstr Microsurg Open 2017;2(1):e7-e14

Könneker S, Krezdorn N, Vogt PM, Altintas MA, Hiller MT, Ipaktchi R, Radtke C. Schädlingsbekämpfung im eigenen Garten - Fallserie schwerer Handverletzungen durch Spreng- und Schussfallen in privatem Gebrauch Unfallchirurg 2016;119(10):854-858

Kornfeld T, Vogt PM, Bucan V, Peck CT, Reimers K, Radtke C. Characterization and Schwann Cell Seeding of up to 15.0 cm Long Spider Silk Nerve Conduits for Reconstruction of Peripheral Nerve Defects J Funct Biomater 2016;7(4):E30

Limbourg A, Radtke C, Ipaktchi R, Vogt PM. Quantitative Perfusionssanalyse durch Laser Speckle Contrast Analysis (LASCA) Perfusionss- Imaging von kritisch perfundierten Geweben Quantitative Perfusion. Handchir Mikrochir Plast Chir 2016;48(6):354-362

Mett TR, Fischer H, Metzger J. Langzeitrisiko subtotale Splenektomie? Chirurg 2017;88(4):339-341

Müller A, Smits D, Claes L, Jasper S, Berg L, Ipaktchi R, Vogt PM, de Zwaan M. Validation of the German version of the Perceived Stigmatization Questionnaire/Social Comfort Questionnaire in adult burn survivors. Burns 2016;42(4):790-796

Neubert N, Vogt PM, May M, Boyce M, Koenneker S, Budde E, Jokuszies A. Does an Early and Aggressive Combined Wrapping and Danteling Procedure Affect the Clinical Outcome of Lower Extremity Free Flaps?-A Randomized Controlled Prospective Study Using Microdialysis Monitoring. J Reconstr Microsurg 2016;32(4):262-270

Noyan F, Zimmermann K, Hardtke-Wolenski M, Knoefel A, Schulde E, Geffers R, Hust M, Huehn J, Galla M, Morgan M, Jokuszies A, Manns MP, Jaeckel E. Prevention of allograft rejection by use of regulatory T cells with a MHC-specific chimeric antigen receptor. Am J Transplant 2017;17(4):917-930

Ramasamy SK, Kusumbe AP, Schiller M, Zeuschner D, Bixel MG, Milia C, Gamrekelashvili J, Limbourg A, Medvinsky A, Santoro MM, Limbourg FP, Adams RH. Blood flow controls bone vascular function and osteogenesis Nat Commun 2016;7:13601

### **Übersichtsarbeiten**

Limbourg FP, Haller H. Der Baroreflex: Funktion und therapeutischer Nutzen MMW Fortschr Med 2016;158(9):60-62

Radtke C. Natural Occurring Silks and Their Analogues as Materials for Nerve Conduits. Int J Mol Sci 2016;17(10):E1754

Stamm A, Reimers K, Strauß S, Vogt P, Scheper T, Pepelanova I. In vitro wound healing assays – state of the art. BioNanoMaterials 2016;17(1-2):79-87

## Promotionen

Killat, Jasper John (Dr. med.): Integration von Keratinozyten und Fibroblasten in dermale Substitute  
MHH-Signatur: D 80434

## Klinik für Orthopädie (Annastift) – 6270

### Originalpublikationen

Angrisani N, Reifenrath J, Zimmermann F, Eifler R, Meyer-Lindenberg A, Vano-Herrera K, Vogt C. Biocompatibility and degradation of LAE442-based magnesium alloys after implantation of up to 3.5 years in a rabbit model. *Acta Biomater* 2016;44:355-365

Becher C, Ricklefs M, Willbold E, Hurschler C, Abedian R. Electromechanical Assessment of Human Knee Articular Cartilage with Compression-Induced Streaming Potentials. *Cartilage* 2016;7(1):62-69

Behrens BA, Escobar SB, Niemeier H, Vucetic M, Bouguecha A, Lucas K, Nolte I, Wefstaedt P, Lerch M, Stukenborg-Colsman C, Almohammadi A. Design and manufacturing of a human standardised hip cup out of titanium. *Materialwissenschaft und Werkstofftechnik* 2016;47(7):608-622

Bock K, Plaass C, Coger V, Peck CT, Reimers K, Stukenborg-Colsman C, Claassen L. What is the effect of nicotinic acetylcholine receptor stimulation on osteoarthritis in a rodent animal model? *SAGE Open Med* 2016;4:2050312116637529

Bode G, Kloos F, Feucht MJ, Fleischer B, Südkamp N, Niemeyer P, Becher C. Comparison of the efficiency of an extra-articular absorber system and high tibial osteotomy for unloading the medial knee compartment: an in vitro study. *Knee Surg Sports Traumatol Arthrosc* 2016;DOI: 10.1007/s00167-016-4358-9

Budde S, Floerkemeier T, Thorey F, Ezechiel M, Claassen L, Ettinger M, Bredow J, Windhagen H, Lewinski GV. A short-stem hip implant with metaphyseal anchorage in patients with developmental dysplasia of the hip. *Technol Health Care* 2016;DOI: 10.3233/THC-161151

Budde S. Knieendoprothetik--Wirksamkeit im Vergleich zu konservativen Therapiemassnahmen. *Z Orthop Unfall* 2016;154(2):118

Calliess T, Bartsch I, Haupt M, Reebmann M, Schwarze M, Stiesch M, Pfaffenroth C, Slusznik M, Dempwolf W, Menzel H, Witte F, Willbold E. In vivo comparative study of tissue reaction to bare and antimicrobial polymer coated transcutaneous implants. *Mater Sci Eng C Mater Biol Appl* 2016;61:712-719

Calliess T, Bauer K, Stukenborg-Colsman C, Windhagen H, Budde S, Ettinger M. PSI kinematic versus non-PSI mechanical alignment in total knee arthroplasty: a prospective, randomized study. *Knee Surg Sports Traumatol Arthrosc* 2016;DOI: 10.1007/s00167-016-4136-8

Calliess T, Ettinger M, Schado S, Becher C, Hurschler C, Ostermeier S. Patella tracking and patella contact pressure in modular patellofemoral arthroplasty: a biomechanical in vitro analysis. *Arch Orthop Trauma Surg* 2016;136(6):849-855

Calliess T, Ettinger M, Stukenborg-Colsmann C, Windhagen H. Patientenindividuelle kinematische Prothesenausrichtung per Schnittblocktechnik. Die Chronik der ShapeMatch-Technologie. *Orthopade* 2016;45(4):314-321

Claassen L, Ettinger S, Pastor MF, Budde S, Windhagen H, Floerkemeier T. The value of arthroscopic neosynovium biopsies to diagnose periprosthetic knee joint low-grade infection. *Arch Orthop Trauma Surg* 2016;136(12):1753-1759

Daentzer D, Hübner WD. Anwendung von Cerasorb Foam in der Wirbelsäulen Chirurgie. *OUP* 2016(4):242-248

Daentzer D, Hurschler C, Seehaus F, Noll C, Schwarze M. Posterior dynamic stabilization in the lumbar spine - 24 months results of a prospective clinical and radiological study with an interspinous distraction device. *BMC Musculoskelet Disord* 2016;17:90

Daentzer D. Implantatreaktion: PEEK versus Titan--Welches Material fordert am besten die Osteogenese? *Z Orthop Unfall* 2015;153(3):244

Daentzer D. Microsurgical anterior cervical approach and the immediate impact of mechanical retractors. A case-control study. *J Neurosci Rural Pract* 2015;6(3):297

Daniilidis K, Yao D, Gosheger G, Berssen C, Budny T, Dieckmann R, Höll S. Does BMI influence clinical outcomes after total knee arthroplasty? *Technol Health Care* 2016;24(3):367-375

Ettinger M, Calliess T, Howell SM. Does a positioning rod or a patient-specific guide result in more natural femoral flexion in the concept of kinematically aligned total knee arthroplasty? *Arch Orthop Trauma Surg* 2017;137(1):105-110

Ettinger M, Claassen L, Paes P, Calliess T. 2D versus 3D templating in total knee arthroplasty. *Knee* 2016;23(1):149-151

Ettinger S, Plaass C, Claassen L, Stukenborg-Colsman C, Yao D, Daniilidis K. Surgical Management of Charcot Deformity for the Foot and Ankle-Radiologic Outcome After Internal/External Fixation. *J Foot Ankle Surg* 2016;55(3):522-528

Ettinger S, Stukenborg-Colsman C, Plaass C, Yao D, Claassen L, Berger S, Waizy H, Becher CM, Daniilidis K. Tibiocalcaneal arthrodesis as a limb salvage procedure for complex hindfoot deformities. *Arch Orthop Trauma Surg* 2016;136(4):457-462

Ettinger M, Werner-Lebeda T, Calliess T, Omar M, Becher C, Ezechieli M, Klintschar M, Petri M. Femoral interference screw fixation of hamstring and quadriceps tendons for ACL reconstruction. *Knee Surg Sports Traumatol Arthrosc* 2017;25(4):1241-1248

Ezechieli M, De Meo F, Bellotti V, Cardenas C, Astarita E, Cavaliere P, Windhagen H, Ribas M. Arthroscopic assisted mini-open approach of the hip: Early multicentric experience. *Technol Health Care* 2016;24(3):359-365

Ezechieli M, Meyer H, Lucas A, Helmecke P, Becher C, Calliess T, Windhagen H, Ettinger M. Biomechanical Properties of a Novel Biodegradable Magnesium-Based Interference Screw. *Orthop Rev (Pavia)* 2016;8(2):6445

Hawi N, Dratzidis A, Kraemer M, Suero EM, Liodakis E, Hurschler C, Krettek C, Hawi A, Meller R. Biomechanical evaluation of the simple cinch stitch for arthroscopic rotator cuff repair. *Clin Biomech (Bristol, Avon)* 2016;36:21-25

Imran Rahim M, Weizbauer A, Evertz F, Hoffmann A, Rohde M, Glasmacher B, Windhagen H, Gross G, Seitz JM, Mueller PP. Differential magnesium implant corrosion coat formation and contribution to bone bonding. *J Biomed Mater Res A* 2016;DOI: 10.1002/jbm.a.35943

Jakubowitz E, Liehn L, Jahnke A, Wöstmann B, Rickert M, Niem T. The effect of phosphoric and phosphonic acid primers on bone cement bond strength to total hip stem alloys. *J Mech Behav Biomed Mater* 2016;69:57-65

Katthagen JC, Schwarze M, Warnhoff M, Voigt C, Hurschler C, Lill H. Influence of plate material and screw design on stiffness and ultimate load of locked plating in osteoporotic proximal humeral fractures. *Injury* 2016;47(3):617-624

Krämer M, Bäunker A, Wellmann M, Hurschler C, Smith T. Implant impingement during internal rotation after reverse shoulder arthroplasty. The effect of implant configuration and scapula anatomy: A biomechanical study. *Clin Biomech (Bristol, Avon)* 2016;33:111-116

Liodakis E, Dratzidis A, Kraemer M, Hurschler C, Krettek C, Hawi A, Omar M, Meller R, Hawi N. The lasso-loop, lasso-mattress and simple-cinch stitch for arthroscopic rotator cuff repair: are there biomechanical differences? *Arch Orthop Trauma Surg* 2016;136(11):1581-1585

Mueller S, Ahmad I, Kraemer M, Utz M, Gaa J, Kahrs LA, Ortmaier T. Design considerations for patient-specific surgical templates for total hip arthroplasty with respect to acetabular cartilage. *Biomed Tech (Berl)* 2017;62(3):263-269

Noll C, Steitz V, Daentzer D. Influence of proprioceptive insoles on spinal curvature in patients with slight idiopathic scoliosis. *Technol Health Care* 2017;25(1):143-151

Ochman S, Raschke MJ, Stukenborg-Colsman C, Daniilidis K. Amputation der Grosszehe. *Oper Orthop Traumatol* 2016;28(5):352-364

Omar M, Dratzidis A, Klintschar M, Kwisda S, Krettek C, Ettinger M. Are porcine flexor digitorum profundus tendons suitable graft substitutes for human hamstring tendons in biomechanical in vitro-studies? *Arch Orthop Trauma Surg* 2016;136(5):681-686

Omar M, Reichling M, Liodakis E, Ettinger M, Guenther D, Decker S, Krettek C, Suero EM, Mommsen P. Rapid exclusion of bacterial arthritis using a glucometer. *Clin Rheumatol* 2017;36(3):591-598

Paes P. für Sie gelesen: Knieendoprothetik – Notwendigkeit einer Hämoglobin-Bestimmung nach Knie-TEP. *Z Orthop Unfall* 2016;154(03):232-232

Pastor MF, Averbeck AK, Welke B, Smith T, Claassen L, Wellmann M. The biomechanical influence of the deltotrapezoid fascia on horizontal and vertical acromioclavicular joint stability. *Arch Orthop Trauma Surg* 2016;136(4):513-519

Pastor MF, Kraemer M, Hurschler C, Claassen L, Wellmann M, Smith T. Transfer of the long head of biceps to the conjoint tendon. A biomechanical study. *Clin Biomech (Bristol, Avon)* 2016;32:80-84

Pastor MF, Kraemer M, Wellmann M, Hurschler C, Smith T. Anterior stability of the reverse shoulder arthroplasty depending on implant configuration and rotator cuff condition. Arch Orthop Trauma Surg 2016;136(11):1513-1519

Petri M, Ettinger M, Brand S, Stuebig T, Krettek C, Omar M. Non-Operative Management of Rotator Cuff Tears. Open Orthop J 2016;10:349-356

Plaass C, Ettinger S, Sonnow L, Koenneker S, Noll Y, Weizbauer A, Reifenrath J, Claassen L, Daniilidis K, Stukenborg-Colsman C, Windhagen H. Early results using a biodegradable magnesium screw for modified chevron osteotomies. J Orthop Res 2016;34(12):2207-2214

Plaaß C, Ettinger S, Yao D, Lerch M, Sibai K, Daniilidis K, Claassen L, Stukenborg Colsman C. Die isolierte Arthrodese des Talo-Navicular Gelenkes bei Fehlstellungen – Effekte, Möglichkeiten und Grenzen. Fuß & Sprunggelenk 2016;14(4):204-211

Puente Reyna AL, Jager M, Floerkemeier T, Frecher S, Delank KS, Schilling C, Grupp TM. Backside Wear Analysis of Retrieved Acetabular Liners with a Press-Fit Locking Mechanism in Comparison to Wear Simulation In Vitro. Biomed Res Int 2016;2016:8687131

Radtke K, Tetzlaff T, Vaske B, Ettinger M, Claassen L, Flörkemeier T, Windhagen H, Lewinski G. Arthroplasty-center related retrospective analysis of risk factors for Periprosthetic Joint Infection after primary and after revision Total Hip Arthroplasty. Technol Health Care 2016;24(5):721-728

Rahim MI, Tavares A, Evertz F, Kieke M, Seitz JM, Eifler R, Weizbauer A, Willbold E, Jurgen Maier H, Glasmacher B, Behrens P, Hauser H, Mueller PP. Phosphate conversion coating reduces the degradation rate and suppresses side effects of metallic magnesium implants in an animal model. J Biomed Mater Res B Appl Biomater 2016;DOI: 10.1002/jbm.b.33704

Roger Y, Schäck LM, Koroleva A, Noack S, Kurselis K, Krettek C, Chichkov B, Lenarz T, Warnecke A, Hoffmann A. Grid-like surface structures in thermoplastic polyurethane induce anti-inflammatory and anti-fibrotic processes in bone marrow-derived mesenchymal stem cells Colloids Surf B Biointerfaces 2016;148:104-115

Schäck L, Budde S, Lenarz T, Krettek C, Gross G, Windhagen H, Hoffmann A, Warnecke A. Induction of neuronal-like phenotype in human mesenchymal stem cells by overexpression of Neurogenin1 and treatment with neurotrophins Tissue Cell 2016;48(5):524-532

Schröter S, Krämer M, Welke B, Hurschler C, Russo R, Herbst M, Stöckle U, Ateschrang A, Maiotti M. The effect of the arthroscopic augmentation of the subscapularis tendon on shoulder instability and range of motion: A biomechanical study. Clin Biomech (Bristol, Avon) 2016;38:75-83

Waizy H, Jastifer JR, Stukenborg-Colsman C, Claassen L. The Reverse Ludloff Osteotomy for Bunionette Deformity. Foot Ankle Spec 2016;9(4):324-329

Welke B, Schwarze M, Hurschler C, Book T, Magdu S, Daentzer D. In vitro investigation of a new dynamic cervical implant: comparison to spinal fusion and total disc replacement. Eur Spine J 2016;25(7):2247-2254

Wellmann M. Diagnostik und Therapie anterosuperiorer Rotatorenmanschettenlisionen. Orthopade 2016;45(2):130-135

Yao D, Jakubowitz E, Ettinger S, Claassen L, Plaass C, Stukenborg-Colsman C, Daniilidis K. Funktionelle Elektrostimulation zur Therapie des neurogenen Fallfusses : Klinisches Outcome. Orthopade 2017;46(3):227-233

Yao D, Jakubowitz E, Tecante K, Lahner M, Ettinger S, Claassen L, Plaass C, Stukenborg-Colsman C, Daniilidis K. Restoring mobility after stroke: first kinematic results from a pilot study with a hybrid drop foot stimulator. Musculoskelet Surg 2016;100(3):223-229

Yao D. für Sie gelesen: Arthrose im oberen Sprunggelenk – Totalendoprothese vs. Arthrodese auf unebenen Flächen. Z Unfall Orthop 2016;154(06):556-556

Yao D. für Sie gelesen: Hallux rigidus – Knorpelimplantat als Alternative zur MTP-I-Arthrodese? Z Orthop Unfall 2016;154(04):335-335

## Übersichtsarbeiten

Hoffmann A, Floerkemeier T, Melzer C, Hass R. Comparison of in vitro-cultivation of human mesenchymal stroma/stem cells derived from bone marrow and umbilical cord. J Tissue Eng Regen Med 2016;DOI: 10.1002/term.2153

Willbold E, Weizbauer A, Loos A, Seitz JM, Angrisani N, Windhagen H, Reifenrath J. Magnesium alloys: A stony pathway from intensive research to clinical reality. Different test methods and approval-related considerations J Biomed Mater Res A 2017;105(1):329-347

## **Buchbeiträge, Monografien**

Becher C, Plaass C, Thermann H. Operative Behandlung osteochondraler Läsionen am Talus. In: Galla M, Walther M [Hrsg.]: Arthroskopie an Sprunggelenk und Fuß: das Praxisbuch der Techniken und Indikationen. Stuttgart: Schattauer, 2016. S. 249-278

## **Habilitationen**

Ettinger, Max Till (PD Dr. med.): Sequentielle in vitro Ergebnisse von Band- und Sehnen-Rekonstruktionen am Kniegelenk  
MHH-Signatur: D 80528

## **Promotionen**

Book, Thorsten (Dr. med.): Robotergestützte Bewegungsanalyse polysegmentaler Wirbelsäulensegmente nach simulierter Fusion und dynamischem Bandscheibenersatz eine experimentelle Studie an der humanen Halswirbelsäule  
MHH-Signatur: D 80643

Kröger, Caroline (Dr. med.): Evaluation der Knorpelqualität am Beispiel des Talus mittels Nahinfrarotspektroskopie (NIRS) und kompressionsinduzierter Potentiale (SPI)  
MHH-Signatur: D 80667

Lange, Karoline (Dr. med.): Die Kapselraffung am Schultergelenk zwei Verfahren im Vergleich  
MHH-Signatur: D 80649

Otto, Matthias J. H. (Dr. med.): Morphometrische Vermessung des Talus und des Tibiaplatfonds anhand von dreidimensional rekonstruierten MRT-Bildern  
MHH-Signatur: D 80432

Paeßens, Carolin (Dr. med.): Biomechanische Eigenschaften von resorbierbaren Magnesium-basierenden (MgYREZr-alloy) Interferenzschrauben  
MHH-Signatur: D 80435

Ricklefs, Marcel (Dr. med.): Evaluation der Knorpelqualität menschlicher Knie mittels kompressionsinduzierter Strömungspotenziale  
MHH-Signatur: D 80443

Schado, Ssuheib (Dr. med.): Biomechanische in-vitro Evaluation der Quadrizepskraft, des retropatellaren Drucks und des Patella-Tracking in verschiedenen Szenarien nach Implantation eines modularen partialen Knieendoprothesensystems  
MHH-Signatur: D 80658

Schäfer, Karolin (Dr. med.): Eine Studie zum Vergleich der Zügelungsoperation nach Insall mit der dynamischen Rekonstruktion des medialen patellofemoralen Ligaments mit der getunnelten Semitendinossehne bei rezidivierender Patellaluxation  
MHH-Signatur: D 80704

Schuhmacher, Diana (Dr. med.): Untersuchung der biomechanischen Eigenschaften von biodegradierbaren Interferenzschrauben und Titanschrauben bei der VKB-Rekonstruktion mit dem LARS-Band  
MHH-Signatur: D 80428

Schumacher, Thees Tilman (Dr. med.): MRT-Analyse von instabilitäts-determinierenden Parametern unter Einfluss einer Patella-Rezentrierungsthese bei chronischer lateraler Patellainstabilität  
MHH-Signatur: D 80430

Tetzlaff, Tobias (Dr. med. dent.): Retrospektive Untersuchung zur Ermittlung von Risikofaktoren für die Entstehung eines PAI nach Implantation einer Hüfttotalendoprothese  
MHH-Signatur: D 80433

Werner-Lebeda, Tina (Dr. med.): Biomechanische Eigenschaften von Quadrizeps- und Hamstringsehnen mit vier verschiedenen Interferenzschrauben bei der Rekonstruktion des vorderen Kreuzbandes  
MHH-Signatur: D 80427

Yao, Daiwei: Biomechanische Evaluation verschiedener Rekonstruktionsverfahren zur Versorgung von Patellarsehnenrupturen

## Klinik für Unfallchirurgie – 6230

### Originalpublikationen

Arilla FV, Rahnemai-Azar AA, Yacuzzi C, Guenther D, Engel BS, Fu FH, Musahl V, Debski RE. Correlation between a 2D simple image analysis method and 3D bony motion during the pivot shift test Knee 2016;23(6):1059-1063

Brand S, Bauer M, Petri M, Schrader J, Maier HJ, Krettek C, Hassel T. Impact of intraprosthetic drilling on the strength of the femoral stem in periprosthetic fractures: A finite element investigation. Proc Inst Mech Eng H 2016;230(7):675-681

Brand S, Breitenbach I, Bolzen P, Petri M, Krettek C, Teebken O. Open Repair Versus Thoracic Endovascular Aortic Repair in Multiple-Injured Patients: Observations From a Level-1 Trauma Center. Arch Trauma Res 2015;4(4):e27183

Decker S, Otte D, Cruz DL, Müller CW, Omar M, Krettek C, Brand S. Injury severity of pedestrians, bicyclists and motorcyclists resulting from crashes with reversing cars Accid Anal Prev 2016;94:46-51

Decker S, Otte D, Muller CW, Omar M, Krettek C, Haasper C, Brand S. Road Traffic Related Injury Severity in Truck Drivers: A Prospective Medical and Technical Analysis of 582 Truck Crashes Arch Trauma Res 2016;5(2):e31380

Ettinger M, Werner-Lebeda T, Calliess T, Omar M, Becher C, Ezechiel M, Klintschar M, Petri M. Femoral interference screw fixation of hamstring and quadriceps tendons for ACL reconstruction Knee Surg Sports Traumatol Arthrosc 2017;25(4):1241-1248

Euler SA, Kastenberger T, Attal R, Rieger M, Blauth M, Petri M. Do we still need autopsy in times of modern multislice computed tomography? - Missed diagnoses in the emergency room. Arch Orthop Trauma Surg 2017;137(1):43-47

Euler SA, Spiegl UJ, Millett PJ, Petri M. Aktuelle Behandlungskonzepte für Massenrupturen der Rotatorenmanschette. Z Orthop Unfall 2016;154(1):28-34

Gathen M, Petri M, Krettek C, Omar M. Die Anwendung der kombinierten Unterdrucktherapie mit Instillation von Spülflüssigkeiten bei Komplikationswunden. Z Orthop Unfall 2016;154(2):122-127

Guenther D, Irarrázaval S, Albers M, Vernacchia C, Irrgang JJ, Musahl V, Fu FH. Area of the tibial insertion site of the anterior cruciate ligament as a predictor for graft size Knee Surg Sports Traumatol Arthrosc 2016;DOI: 10.1007/s00167-016-4295-7

Guenther D, Rahnemai-Azar AA, Bell KM, Irarrázaval S, Fu FH, Musahl V, Debski RE. In-situ-Kräfte im intakten und verletzten Knie : Die anterolaterale Kapsel verhält sich biomechanisch wie ein Bindegewebsverbund. Orthop Nachr 2016;Special Sportorthopädie:12

Guenther D, Rahnemai-Azar AA, Bell KM, Irarrázaval S, Fu FH, Musahl V, Debski RE. The Anterolateral Capsule of the Knee Behaves Like a Sheet of Fibrous Tissue Am J Sports Med 2017;45(4):849-855

Hawi N, Dratzidis A, Kraemer M, Suero EM, Liodakis E, Hurschler C, Krettek C, Hawi A, Meller R. Biomechanical evaluation of the simple cinch stitch for arthroscopic rotator cuff repair Clin Biomech (Bristol, Avon) 2016;36:21-25

Hawi N, Magosch P, Tauber M, Lichtenberg S, Martetschläger F, Habermeyer P. Glenoid deformity in the coronal plane correlates with humeral head changes in osteoarthritis: a radiographic analysis J Shoulder Elbow Surg 2017;26(2):253-257

Hawi N, Plutat J, Kendoff D, Suero EM, Cross MB, Gehrke T, Citak M. Midterm results after unicompartmental knee replacement with all-polyethylene tibial component: a single surgeon experience Arch Orthop Trauma Surg 2016;136(9):1303-1307

Karnati S, Graulich T, Oruqaj G, Pfreimer S, Seimetz M, Stamme C, Mariani TJ, Weissmann N, Mühlfeld C, Baumgart-Vogt E. Postnatal development of the bronchiolar club cells of distal airways in the mouse lung: stereological and molecular biological studies. Cell Tissue Res 2016;364(3):543-557

Könneker S, Broelsch GF, Kuhbier JW, Framke T, Neubert N, Dastagir K, Mett T, Vogt PM, Jokuszies A. Outcome Analysis of End-to-End and End-to-Side Anastomoses in 131 Patients Undergoing Microsurgical Free Flap Reconstruction of the Lower Extremity. J Reconstr Microsurg Open 2017;2(1):e7-e14

Liodakis E, Antoniou J, Zukor DJ, Huk OL, Epure LM, Bergeron SG. Major Complications and Transfusion Rates After Hemiarthroplasty and Total Hip Arthroplasty for Femoral Neck Fractures J Arthroplasty 2016;31(9):2008-2012

Liodakis E, Antoniou J, Zukor DJ, Huk OL, Epure LM, Bergeron SG. Navigated vs Conventional Total Knee Arthroplasty: Is There a Difference in the Rate of Respiratory Complications and Transfusions? *J Arthroplasty* 2016;31(10):2273-2277

Liodakis E, Dratzidis A, Kraemer M, Hurschler C, Krettek C, Hawi A, Omar M, Meller R, Hawi N. The lasso-loop, lasso-mattress and simple-cinch stitch for arthroscopic rotator cuff repair: are there biomechanical differences? *Arch Orthop Trauma Surg* 2016;136(11):1581-1585

Müller CW, Krettek C, Decker S, Hankemeier S, Hawi N. Gliedmaßenerhalt oder Amputation nach schwerem Trauma der unteren Extremität : Evidenz aus der LEAP-Studie *Unfallchirurg* 2016;119(5):400-407

Neunaber C, Wypior H, Westphal R, Petri M, Goesling T, Hildebrand F, Krettek C, Haas P. Repetitive reduction lead to significant elevated IL-6 and decreased IL-10 levels in femoral osteotomies: A quantitative analysis of a robot-assisted reduction process in a rat model *Injury* 2016;47(8):1669-1675

Noack A, Noack S, Buettner M, Naim HY, Löscher W. Intercellular transfer of P-glycoprotein in human blood-brain barrier endothelial cells is increased by histone deacetylase inhibitors *Sci Rep* 2016;6:29253

Omar M, Dratzidis A, Klintschar M, Kwisda S, Krettek C, Ettinger M. Are porcine flexor digitorum profundus tendons suitable graft substitutes for human hamstring tendons in biomechanical in vitro-studies? *Arch Orthop Trauma Surg* 2016;136(5):681-686

Omar M, Gathen M, Liodakis E, Suero EM, Krettek C, Zeckey C, Petri M. A comparative study of negative pressure wound therapy with and without instillation of saline on wound healing. *J Wound Care* 2016;25(8):475-478

Omar M, Klawonn F, Brand S, Stiesch M, Krettek C, Eberhard J. Transcriptome-Wide High-Density Microarray Analysis Reveals Differential Gene Transcription in Periprosthetic Tissue From Hips With Chronic Periprosthetic Joint Infection vs Aseptic Loosening. *J Arthroplasty* 2017;32(1):234-240

Omar M, Reichling M, Liodakis E, Ettinger M, Guenther D, Decker S, Krettek C, Suero EM, Mommsen P. Rapid exclusion of bacterial arthritis using a glucometer. *Clin Rheumatol* 2017;36(3):591-598

Omar M, Suero EM, Liodakis E, Reichling M, Guenther D, Decker S, Stiesch M, Krettek C, Eberhard J. Diagnostic performance of swab PCR as an alternative to tissue culture methods for diagnosing infections associated with fracture fixation devices. *Injury* 2016;47(7):1421-1426

Petri M, Ettinger M, Brand S, Stuebig T, Krettek C, Omar M. Non-Operative Management of Rotator Cuff Tears. *Open Orthop J* 2016;10:349-356

Rahnenmai-Azar AA, Miller RM, Guenther D, Fu FH, Lesniak BP, Musahl V, Debski RE. Structural Properties of the Anterolateral Capsule and Iliotibial Band of the Knee *Am J Sports Med* 2016;44(4):892-897

Roger Y, Schäck LM, Koroleva A, Noack S, Kurselis K, Krettek C, Chichkov B, Lenarz T, Warnecke A, Hoffmann A. Grid-like surface structures in thermoplastic polyurethane induce anti-inflammatory and anti-fibrotic processes in bone marrow-derived mesenchymal stem cells *Colloids Surf B Biointerfaces* 2016;148:104-115

Schäck LM, Buettner M, Wirth A, Neunaber C, Krettek C, Hoffmann A, Noack S. Expression of CD24 in Human Bone Marrow-Derived Mesenchymal Stromal Cells Is Regulated by TGFbeta3 and Induces a Myofibroblast-Like Genotype. *Stem Cells Int* 2016;2016:1319578

Schmidl S, Jakobs O, Guenther D, Lausmann C, Schoof B, Beckmann J, Gehrke T, Gebauer M. Effective prevention of recurrent dislocation following primary cemented Endo-MarkIII/SP2 total hip arthroplasty using a posterior lip augmentation device *Arch Orthop Trauma Surg* 2016;136(4):579-583

Schultze C, Hildebrand F, Noack S, Krettek C, Zeckey C, Neunaber C. Identification of potential biomarkers for post-traumatic complications released after trauma-hemorrhage from murine Kupffer cells and its investigation in lung and liver. *Biomarkers* 2016;21(7):645-652

Stier R, Otte D, Müller C, Petri M, Gaulke R, Krettek C, Brand S. Effectiveness of Bicycle Safety Helmets in Preventing Facial Injuries in Road Accidents. *Arch Trauma Res* 2016;5(3):e30011

Teng S, Liu C, Guenther D, Omar M, Neunaber C, Krettek C, Jagodzinski M. Influence of biomechanical and biochemical stimulation on the proliferation and differentiation of bone marrow stromal cells seeded on polyurethane scaffolds *Exp Ther Med* 2016;11(6):2086-2094

Wiebking U, Liodakis E, Kenawey M, Krettek C. Limb Lengthening Using the PRECICE™ Nail System: Complications and Results. *Arch Trauma Res* 2016;5(4):e36273

Winkelmann M, Friedrich L, Schröter C, Flemming A, Eismann H, Sieg L, Mommsen P, Krettek C, Zeckey C. Simulator-Based Air Medical Training Program Christoph Life: From Concept to Course Air Med J 2016;35(4):242-246

Winkelmann M, Sorrentino JN, Klein M, Macke C, Mommsen P, Brand S, Schröter C, Krettek C, Zeckey C. Is there a benefit for health care workers in testing HIV, HCV and HBV in routine before elective arthroplasty? Orthop Traumatol Surg Res 2016;102(4):513-516

### **Übersichtsarbeiten**

Hawi N, Schmiddem U, Omar M, Stuebig T, Krettek C, Petri M, Meller R. Arthroscopic Debridement for Irreparable Rotator Cuff Tears Open Orthop J 2016;10:324-329

Hawi N, Tauber M, Messina MJ, Habermeyer P, Martetschläger F. Anatomic stemless shoulder arthroplasty and related outcomes: a systematic review BMC Musculoskelet Disord 2016;17(1):376

Krettek C, Lerner A, Giannoudis P, Willy C, Müller CW. Extremitätenerhalt und Amputation nach Trauma : Entscheidungskriterien und Managementmodule Unfallchirurg 2016;119(5):358-373

Krettek C, Willy C. Extremitätenerhalt versus Amputation Unfallchirurg 2016;119(5):356-357

Niemeyer P, Albrecht D, Andereya S, Angele P, Ateschrang A, Aurich M, Baumann M, Bosch U, Erggelet C, Fickert S, Gebhard H, Gelse K, Günther D, Hoburg A, Kasten P, Kolombe T, Madry H, Marlovits S, Meenen NM, Müller PE, Nöth U, Petersen JP, Pietschmann M, Richter W, Rolauffs B, Rhunau K, Schewe B, Steinert A, Steinwachs MR, Welsch GH, Zinser W, Fritz J. Autologous chondrocyte implantation (ACI) for cartilage defects of the knee: A guideline by the working group "Clinical Tissue Regeneration" of the German Society of Orthopaedics and Trauma (DGOU) Knee 2016;23(3):426-435

### **Case reports**

Hawi N, Alfke D, Liakakis E, Omar M, Krettek C, Müller CW, Meller R. Case Report of a Traumatic Atlantoaxial Rotatory Subluxation with Bilateral Locked Cervical Facets: Management, Treatment, and Outcome. Case Rep Orthop 2016;2016:7308653

Hawi N, Krettek C, Müller CW. Die Entscheidung zum Gliedmaßenerhalt oder zur Amputation nach schwerem Trauma der unteren Extremität : Fälle aus der klinischen Praxis Unfallchirurg 2016;119(5):414-420

Kaufeld T, Zeckey C, Marquardt S, Krettek C, Haverich A, Tudorache I. A Close Call: An Impacted Knife Injury to the Thorax. Ann Thorac Surg 2016;102(6):e545-e546

Winkelmann M, Macke C, Hankemeier S, Hüfner T, Schröter C, Clausen JD, Omar M, Zeckey C, Krettek C, Mommsen P. Connection of a hip prosthesis and an intramedullary nail as a special solution in a subtrochanteric femoral fracture with fibrous dysplasia Technol Health Care 2016;24(5):729-735

### **Comments**

Behfar V, Hurschler C, Albrecht K, Krettek C, Bosch U, Jagodzinski M. Retraction Note to: Entwicklung und biomechanische Testung einer femoralen Press-fit-Fixierung für Semitendinosus-/Gracilissehnen. Unfallchirurg 2016;119(11):972

### **Buchbeiträge, Monografien**

Wewetzer K, Omar M, Kammerer P, Brandes G. Wiring of the Olfactory System and the Functional Role of Neurons and Glia during Life-long Turnover. In: Jezierski T, Ensminger J, Papet LE [Hrsg.]: Canine Olfaction Science and Law. Waretown, NJ.: Apple Academic Press Inc, 2016. S. 17-29

### **Habilitationen**

Hawi, Nael (PD Dr. med.): Intraoperative Verfahren zur Bestimmung von Fehlstellungen an der unteren Extremität bei der Behandlung von kongenitalen, posttraumatischen und degenerativen Krankheitsbildern  
MHH-Signatur: D 80504

Müller, Christian Walter (PD Dr. med.): Neue Wege in der Osteosynthese: Modulation der Frakturheilung durch kontaktfreie Form- und Steifigkeitsveränderung einer experimentellen Osteosyntheseplatte aus NickelTitanium  
MHH-Signatur: D 80178

Stübig, Timo (PD Dr. med.): Intraoperative 3D Bildgebung und Navigation im Bereich des Schultergürtels

### **Promotionen**

Asper, Hiba (Dr. med.): Ursache, Therapie und Ergebnisse nach "floating knee"-Verletzung  
MHH-Signatur: D 80648

Gillenberg, Anne Kathrin (Dr. med.): Stellenwert der sonographisch kontrollierten perkutanen Stanzbiopsie in der Diagnostik von Weichgewebstumoren = Significance of sonographically guided percutaneous needle biopsy in the diagnostics of soft tissue tumors  
MHH-Signatur: D 80493

Jäisch, Torsten (Dr. med.): Computer-assistierte operative Versorgung von Schultergelenkverletzungen eine experimentelle Studie an humanen Kadavern  
MHH-Signatur: D 80607

Jürgens, Simon Clemens (Dr. med.): Die aseptische Femurschaftpseudarthrose Untersuchung zu neuen Aspekten einer möglichen genetischen Prädisposition und zur Lebensqualität betroffener Patienten  
MHH-Signatur: D 80615

Maslaris, Alexandros (Dr. med.): Die Trochanter-major-Femurkopf-Methode eine neue Technik zur intraoperativen Diagnostik und Korrektur von Torsionsdeformitäten bei der geschlossenen Femurmarknagelung  
MHH-Signatur: D 80494

Mavropoulos, Thassia (Dr. med. dent.): Evaluation von Reposition und Schmerzreduktion bei Wirbelkörperkompressionsfrakturen durch Ballon- und Radiofrequenzkyphoplastie eine retrospektive Analyse  
MHH-Signatur: D 80628

Overmeyer, Silke Susann (Dr. med. dent.): Beckenfrakturen - Ursache, Diagnostik und Behandlung  
MHH-Signatur: D 80370

Persson, Jan Maximilian Dietrich (Dr. med.): Der prognostische Wert radiologischer Parameter für das klinische Spätergebnis nach isolierter einseitiger Kalkaneusfraktur  
MHH-Signatur: D 80358

Rahe, Katharina (Dr. med.): Vorteile der Luftrettung in der Bundesrepublik Deutschland  
MHH-Signatur: D 80424

Schröder, Marcella Sophia (Dr. med.): Radiometrische Untersuchung des Rückfußes im Standardröntgenbild zur Optimierung der Drahtlage bei der extraartikulären tibiokalkanearen Transfixation  
MHH-Signatur: D 80470

Starke, Janika (Dr. med. dent.): Prognostische Bedeutung von Interleukin-6 beim polytraumatisierten Kind - eine retrospektive Studie  
MHH-Signatur: D 80413

Teng, Songsong (Dr. med.): Influence of biomechanical and biochemical stimulation on the proliferation and differentiation of human bone marrow stromal cells seeded on polyurethane scaffolds  
MHH-Signatur: D 80446

Teschner, Hilmar (Dr. med. dent.): Konvertierung von Hemi- in inverse Schulterarthroplastik Limitierungen von Implantatdesigns  
MHH-Signatur: D 80355

Urner, Julia Angelika (Dr. med.): Der Einfluss des isolierten Schädel-Hirn-Traumas auf das Langzeit-Outcome - erste Ergebnisse einer 10-Jahres-Nachuntersuchungsstudie  
MHH-Signatur: D 80369

Zeeck, Yen (Dr. med.): Klinische Ergebnisse nach einer drittgradig offenen Tibiaschaftfraktur  
MHH-Signatur: D 80382

## Klinik für Urologie und Urologische Onkologie – 6240

### Originalpublikationen

Brock G, Ni X, Oelke M, Mulhall J, Rosenberg M, Seftel A, D'Souza D, Barry J. Efficacy of Continuous Dosing of Tadalafil Once Daily vs Tadalafil On Demand in Clinical Subgroups of Men With Erectile Dysfunction: A Descriptive Comparison Using the Integrated Tadalafil Databases J Sex Med 2016;13(5):860-875

Derlin T, Weiberg D, von Klot C, Wester HJ, Henkenberens C, Ross TL, Christiansen H, Merseburger AS, Bengel FM. 68Ga-PSMA I&T PET/CT for assessment of prostate cancer: evaluation of image quality after forced diuresis and delayed imaging. Eur Radiol 2016;26(12):4345-4353

Gacci M, Saleh O, Giannessi C, Chini T, Della Camera PA, Detti B, Livi L, Finazzi Agro E, Li Marzi V, Minervini A, Carini M, Oelke M, Gravas S, Serni S. Bladder Instillation Therapy With Hyaluronic Acid and Chondroitin Sulfate Improves Symptoms of Postradiation Cystitis: Prospective Pilot Study Clin Genitourin Cancer 2016;14(5):444-449

Goebell P, Salem J, Strunk J, Stahl L, Oelke M, Sommerkamp HJ, Schwaibold R, Braun M, Berges R, Schöneberger M. Generation-Y : Problem oder Lösung im klinischen Alltag? Urologe A 2016;55(8):1047-1049

Henkenberens C, von Klot CA, Ross TL, Bengel FM, Wester HJ, Merseburger AS, Vogel-Claussen J, Christiansen H, Derlin T. (68)Ga-PSMA-PET/CT-basierte Strahlentherapie beim lokal rezidivierten und oligometastasierten Prostatakarzinom : Frühe Effektivität nach Primärtherapie. Strahlenther Onkol 2016;192(7):431-439

Huusmann S, Wolters M, Kramer MW, Bach T, Teichmann HO, Eing A, Bardosi S, Herrmann TR. Tissue damage by laser radiation: an in vitro comparison between Tm:YAG and Ho:YAG laser on a porcine kidney model. Springerplus 2016;5:266

Junker D, Herrmann TR, Bader M, Bektic J, Henkel G, Kruck S, Sandbichler M, Schilling D, Schäfer G, Nagele U, Training Research in Urological Surgery Therapy (T.R.U.S.T.) group. Evaluation of the 'Prostate Interdisciplinary Communication and Mapping Algorithm for Biopsy and Pathology' (PIC-MABP). World J Urol 2016;34(2):245-252

Lin Y, Wu X, Xu A, Ren R, Zhou X, Wen Y, Zou Y, Gong M, Liu C, Su Z, Herrmann TR. Transurethral enucleation of the prostate versus transvesical open prostatectomy for large benign prostatic hyperplasia: a systematic review and meta-analysis of randomized controlled trials. World J Urol 2016;34(9):1207-1219

McVary KT, Peterson A, Donatucci CF, Baygani S, Henneges C, Clouth J, Wong D, Oelke M. Use of Structural Equation Modeling to Demonstrate the Differential Impact of Storage and Voiding Lower Urinary Tract Symptoms on Symptom Bother and Quality of Life during Treatment for Lower Urinary Tract Symptoms Associated with Benign Prostatic Hyperplasia J Urol 2016;196(3):824-830

Montorsi F, Oelke M, Henneges C, Brock G, Salonia A, d'Anzeo G, Rossi A, Mulhall JP, Büttner H. Exploratory Decision-Tree Modeling of Data from the Randomized REACTT Trial of Tadalafil Versus Placebo to Predict Recovery of Erectile Function After Bilateral Nerve-Sparing Radical Prostatectomy Eur Urol 2016;70(3):529-537

Mulhall JP, Brock G, Oelke M, Fode M, Probst KA, Henneges C, d'Anzeo G, Rossi A, Büttner H. Effects of Tadalafil Once-Daily or On-Demand vs Placebo on Return to Baseline Erectile Function After Bilateral Nerve-Sparing Radical Prostatectomy--Results from a Randomized Controlled Trial (REACTT) J Sex Med 2016;13(4):679-683

Netsch C, Magno C, Buttice S, Macchione L, Mucciardi G, Herrmann TR, Gross AJ. Thulium Vapoenucleation of the Prostate and Thulium Vapoenucleation of the Prostate in Patients on Oral Anticoagulants: A Retrospective Three-Centre Matched-Paired Comparison. Urol Int 2016;96(4):421-426

Oelke M, Anderson P, Wood R, Holm-Larsen T. Nocturia is often inadequately assessed, diagnosed and treated by physicians: results of an observational, real-life practice database containing 8659 European and US-American patients Int J Clin Pract 2016;70(11):940-949

Oelke M, Wagg A, Takita Y, Büttner H, Viktrup L. Efficacy and safety of tadalafil 5 mg once daily in the treatment of lower urinary tract symptoms associated with benign prostatic hyperplasia in men aged >/=75 years: integrated analyses of pooled data from multinational, randomized, placebo-controlled clinical studies BJU Int 2017;119(5):793-803

Rademakers K, Apostolidis A, Constantinou C, Fry C, Kirschner-Hermanns R, Oelke M, Parsons B, Nelson P, Valentini F, Gammie A. Recommendations for future development of contractility and obstruction nomograms for women. ICI-RS 2014 Neurol Urodyn 2016;35(2):307-311

Rademakers KL, Drossaerts JM, van Kerrebroeck PE, Oelke M, van Koeveringe GA. Prediction of sacral neuromodulation treatment success in men with impaired bladder emptying-time for a new diagnostic approach Neurol Urodyn 2017;36(3):808-810

Rahardjo HE, Reichelt K, Sonnenberg JE, Sohn M, Kuczyk MA, Ückert S. Effects of endopeptidase inhibition on the relaxation response of isolated human penile erectile tissue to vasoactive peptides Andrologia 2016;48(10):1214-1219

Tewes S, Mokov N, Hartung D, Schick V, Peters I, Schedl P, Pertschy S, Wacker F, Voshage G, Hueper K. Standardized Reporting of Prostate MRI: Comparison of the Prostate Imaging Reporting and Data System (PI-RADS) Version 1 and Version 2. *PLoS One* 2016;11(9):e0162879

Tezval H, Dubrowinskaja N, Peters I, Reese C, Serth K, Atschekzei F, Hennenlotter J, Stenzl A, Kuczyk MA, Serth J. Tumor Specific Epigenetic Silencing of Corticotropin Releasing Hormone -Binding Protein in Renal Cell Carcinoma: Association of Hypermethylation and Metastasis *PLoS One* 2016;11(10):e0163873

Visco AG, Fraser MO, Newgreen D, Oelke M, Cardozo L. What is the role of combination drug therapy in the treatment of overactive bladder? *ICI-RS 2014 Neurourol Urodyn* 2016;35(2):288-292

Von Klot CA, Merseburger AS, Kuczyk MA. Novel therapeutic options for second-line therapy in metastatic renal cell carcinoma. *Mol Clin Oncol* 2016;4(6):903-908

Weidlich D, Andersson FL, Oelke M, Drake MJ, Jonasson AF, Guest JF. Annual direct and indirect costs attributable to nocturia in Germany, Sweden, and the UK *Eur J Health Econ* 2016;DOI: 10.1007/s10198-016-0826-x

Wolters M, Oelke M, Lutze B, Weingart M, Kuczyk MA, Chaberny IF, Graf K. Deep Surgical Site Infections after Open Radical Cystectomy and Urinary Diversion Significantly Increase Hospitalisation Time and Total Treatment Costs. *Urol Int* 2017;98(3):268-273

### **Übersichtsarbeiten**

Gacci M, Andersson KE, Chapple C, Maggi M, Mirone V, Oelke M, Porst H, Roehrborn C, Stief C, Giuliano F. Latest Evidence on the Use of Phosphodiesterase Type 5 Inhibitors for the Treatment of Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia *Eur Urol* 2016;70(1):124-133

Hein S, Miernik A, Wilhelm K, Adams F, Schlager D, Herrmann TR, Rassweiler JJ, Schoenthaler M. Clinical significance of residual fragments in 2015: impact, detection, and how to avoid them. *World J Urol* 2016;34(6):771-778

Herrmann TR. Langzeitergebnisse nach endoskopischer Enukleation der Prostata : Von der monopolaren Enukleation zu HoLEP und EEP. *Urologe A* 2016;55(11):1446-1454

Merseburger AS, Alcaraz A, von Klot CA. Androgen deprivation therapy as backbone therapy in the management of prostate cancer. *Oncotargets Ther* 2016;9:7263-7274

### **Letter**

Kramer MW, Wolters M, Herrmann TR. En Bloc Resection of Bladder Tumors: Ready for Prime Time? *Eur Urol* 2016;69(5):967-968

### **Comments**

von Klot CA, Merseburger AS. Comment on: "Long-term outcomes of salvage lymph node dissection for clinically recurrent prostate cancer: results of a single-institution series with a minimum follow-up of 5 years". *World J Urol* 2016;34(5):763-764

### **Editorials**

Herrmann TR. Enucleation is enucleation is enucleation. *World J Urol* 2016;34(10):1353-1355

### **sonstiges**

Albrecht K, Schultheiss D. DGU-Kongress, Hamburg und die Präsidentenmedaille. *Urologe* 2016;1-4

Wolters M, Huusmann S, Oelke M, Kuczyk MA, Herrmann TRW. Anatomical Enucleation of the Prostate with the Novel Combined Mechanical and Bipolar Vaporization Probe in Ejaculation Sparing and Two-Lobe Manner. *Videourology* 2016;DOI: 10.1089/vid.2016.0028

Wolters M, Huusmann S, Oelke M, Kuczyk MA, Herrmann TRW. Anatomical Enucleation of the Prostate with Thulium:YAG Support: Re-definition of the Surgical Approach in Two-Lobe Technique. *Videourology* 2016;DOI: 10.1089/vid.2016.0029

Wolters M, Leavitt DA, Gross AJ, Herrmann TRW, Netsch C. Feasibility of Thulium Laser Vapoenucleation of the Prostate After Prior Prostate Surgery for Benign Prostatic Hyperplasia. *Videourology* 2016;DOI: 10.1089/vid.2015.0018

### **Habilitationen**

Imkamp, Florian (PD Dr. med.): Entwicklung, Akzeptanz und Stellenwert der konventionellen und roboterassistierten Laparoskopie in der Urologie  
MHH-Signatur: D 80500

Kedia, George (PD Dr. med.): Pharmacology of the human male urethral smooth muscle a functional, molecular biology and immunohistochemical study : the role of adrenergic, cholinergic, peptidergic, prostaglandin-, and cyclic GMP/cyclic AMP-mediated signalling pathways in the control of the normal function of the human male urethra  
MHH-Signatur: D 80529

#### Promotionen

Akkoyun, Meryem (Dr. med.): Prädiktoren für ein erhöhtes Mortalitätsrisiko nach operativer Therapie bei Patienten mit Nierenzellkarzinomen und Venenbeteiligung eine retrospektive Studie  
MHH-Signatur: D 80448

Heinisch, Annika (Dr. med.): Die Bedeutung des C-reaktiven Proteins nach Zystektomie aufgrund eines Urothelkarzinoms sowie Entwicklung einer Risikostratifizierung basierend auf Resektionsgrenze, Lymphgefäßinvasion, CRP: Der RLC-Score eine retrospektive Studie mit 229 Patienten  
MHH-Signatur: D 80449

## Klinik für Allgemein-, Viszeral- und Transplantationschirurgie – 6220

#### Originalpublikationen

Assfalg V, Hüser N, van Meel M, Haller B, Rahmel A, de Boer J, Matevossian E, Novotny A, Knops N, Weekers L, Friess H, Pratschke J, Fugger R, Janko O, Rasoul-Rockenschaub S, Bosmans JL, Broeders N, Peeters P, Mourad M, Kuypers D, Slaviček J, Muehlfeld A, Sommer F, Viebahn R, Pascher A, van der Giet M, Zantvoort F, Woitas RP, Putz J, Grabitz K, Kribben A, Hauser I, Pisarski P, Weimer R, Lorf T, Fornara P, Morath C, Nashan B, Lehner F, Kliem V, Sester U, Grimm MO, Feldkamp T, Kleinert R, Arns W, Mönch C, Schoenberg MB, Nitschke M, Krüger B, Thorban S, Arbogast HP, Wolters HH, Maier T, Lutz J, Heller K, Banas B, Hakenberg O, Kalus M, Nadalin S, Keller F, Lopau K, Bemelman FJ, Nurmohamed S, Sanders JS, de Fijter JW, Christiaans M, Hilbrands L, Betjes M, van Zuilen A, Heemann U. High-urgency kidney transplantation in the Eurotransplant Kidney Allocation System: success or waste of organs? The Eurotransplant 15-year all-centre survey Nephrol Dial Transplant 2016;31(9):1515-1522

Bähr A, Käser T, Kemter E, Gerner W, Kurome M, Baars W, Herbach N, Witter K, Wünsch A, Talker SC, Kessler B, Nagashima H, Saalmüller A, Schwinzer R, Wolf E, Klymiuk N. Ubiquitous LEA29Y Expression Blocks T Cell Co-Stimulation but Permits Sexual Reproduction in Genetically Modified Pigs PLoS One 2016;11(5):e0155676

Baumann AK, Schluß J, Noyan F, Hardtke-Wolenski M, Lehner F, Barg-Hock H, Klempnauer J, Manns MP, Taubert R, Jaeckel E. Preferential accumulation of T helper cells but not cytotoxic T cells characterizes benign subclinical rejection of human liver allografts Liver Transpl 2016;22(7):943-955

Buermann A, Römermann D, Baars W, Hundrieser J, Klempnauer J, Schwinzer R. Inhibition of B-cell activation and antibody production by triggering inhibitory signals via the PD-1/PD-ligand pathway Xenotransplantation 2016;23(5):347-356

Cammann S, Timrott K, Vonberg RP, Vondran FW, Schrem H, Suerbaum S, Klempnauer J, Bektas H, Kleine M. Cholangitis in the postoperative course after biliodigestive anastomosis. Langenbecks Arch Surg 2016;401(5):715-724

Chatzikyrkou C, Eichler J, Karch A, Clajus C, Scurt FG, Ramackers W, Lehner F, Menne J, Haller H, Mertens PR, Schiffer M. Short- and long-term effects of the use of RAAS blockers immediately after renal transplantation. Blood Press 2017;26(1):30-38

Chiche L, David A, Adam R, Oliverius MM, Klempnauer J, Vibert E, Colledan M, Lerut J, Mazzafero VV, Di-Sandro S, Laurent C, Scuderi V, Suc B, Troisi R, Bachelier P, Dumortier J, Gugenheim J, Mabrut JY, Gonzalez-Pinto I, Pruvot FR, Le-Treut YP, Navarro F, Ortiz-de-Urbina J, Salamé E, Spada M, Bioulac-Sage P. Liver transplantation for adenomatosis: European experience Liver Transpl 2016;22(4):516-526

Ciesek S, Proske V, Otto B, Pischke S, Costa R, Lüthgehetmann M, Polywka S, Klempnauer J, Nashan B, Manns MP, von Hahn T, Lohse AW, Wedemeyer H, Mix H, Sterneck M. Efficacy and safety of sofosbuvir/ledipasvir for the treatment of patients with hepatitis C virus re-infection after liver transplantation Transpl Infect Dis 2016;18(3):326-332

Emmanouilidis N, Peters R, Ringe BP, Güner Z, Ramackers W, Bektas H, Lehner F, Manns M, Klempnauer J, Schrem H. Liver Transplantation for Hepatocellular Carcinoma: A Single Center Resume Overlooking Four Decades of Experience J Transplant 2016;2016:7895956

Fischer K, Kraner-Scheiber S, Petersen B, Rieblinger B, Buermann A, Flisikowska T, Flisikowski K, Christian S, Edlinger M, Baars W, Kurome M, Zakhartchenko V, Kessler B, Plotzki E, Szczerbał I, Switonski M, Denner J, Wolf E, Schwinzer R, Niemann H, Kind A, Schnieke A. Efficient production of multi-modified pigs for xenotransplantation by 'combineering', gene stacking and gene editing Sci Rep 2016;6:29081

Florman S, Becker T, Bresnahan B, Chevaile-Ramos A, Carvalho D, Grannas G, Muehlbacher F, O'Connell PJ, Meier-Kriesche HU, Larsen CP. Efficacy and Safety Outcomes of Extended Criteria Donor Kidneys by Subtype: Subgroup Analysis of BENEFIT-EXT at 7 Years After Transplant Am J Transplant 2017;17(1):180-190

Geissler EK, Schnitzbauer AA, Zulke C, Lamby PE, Proneth A, Duvoux C, Burra P, Jauch KW, Rentsch M, Ganter TM, Schmidt J, Settmacher U, Heise M, Rossi G, Cillo U, Kneteman N, Adam R, van Hoek B, Bachellier P, Wolf P, Rostaing L, Bechstein WO, Rizell M, Powell J, Hidalgo E, Gugenheim J, Wolters H, Brockmann J, Roy A, Mutzbauer I, Schlitt A, Beckebaum S, Graeb C, Nadalin S, Valente U, Turroni VS, Jamieson N, Scholz T, Colledan M, Färdich F, Becker T, Söderdahl G, Chazouilleres O, Mäkipalo H, Pageaux GP, Steininger R, Soliman T, de Jong KP, Pirenne J, Margreiter R, Pratschke J, Pinna AD, Hauss J, Schreiber S, Strasser S, Klempnauer J, Troisi RL, Bhoori S, Lerut J, Bilbao I, Klein CG, Königsrainer A, Mirza DF, Otto G, Mazzaferro V, Neuhaus P, Schlitt HJ. Sirolimus Use in Liver Transplant Recipients With Hepatocellular Carcinoma: A Randomized, Multicenter, Open-Label Phase 3 Trial. Transplantation 2016;100(1):116-125

Gürlevik E, Fleischmann-Mundt B, Brooks J, Demir IE, Steiger K, Ribback S, Yevsa T, Woller N, Kloos A, Ostroumov D, Armbrecht N, Manns MP, Dombrowski F, Saborowski M, Kleine M, Wirth TC, Oettle H, Ceyhan GO, Esposito I, Calvisi DF, Kubicka S, Kühnel F. Administration of Gemcitabine After Pancreatic Tumor Resection in Mice Induces an Antitumor Immune Response Mediated by Natural Killer Cells Gastroenterology 2016;151(2):338-350.e7

Hadamitzky M, Bösche K, Wirth T, Buck B, Beetz O, Christians U, Schniedewind B, Luckemann L, Güntürkün O, Engler H, Schedlowski M. Memory-updating abrogates extinction of learned immunosuppression. Brain Behav Immun 2016;52:40-48

Harak C, Meyrath M, Romero-Brey I, Schenk C, Gonçalves C, Schult P, Esser-Nobis K, Saeed M, Nedermann P, Schnitzler P, Gotthardt D, Perez-Del-Pulgar S, Neumann-Haefelin C, Thimme R, Meuleman P, Vondran FW, Francesco R, Rice CM, Bartenschlager R, Lohmann V. Tuning a cellular lipid kinase activity adapts hepatitis C virus to replication in cell culture. Nat Microbiol 2016;2:16247

Herzer K, Strassburg CP, Braun F, Engelmann C, Guba M, Lehner F, Nadalin S, Pascher A, Scherer MN, Schnitzbauer AA, Zimmermann T, Nashan B, Sterneck M. Selection and use of immunosuppressive therapies after liver transplantation: current German practice. Clin Transplant 2016;30(5):487-501

Hueper K, Khalifa AA, Bräsen JH, Vo Chieu VD, Gutberlet M, Wintterle S, Lehner F, Richter N, Peperhove M, Tewes S, Weber K, Haller H, Wacker F, Gwinner W, Gueler F, Hartung D. Diffusion-Weighted imaging and diffusion tensor imaging detect delayed graft function and correlate with allograft fibrosis in patients early after kidney transplantation. J Magn Reson Imaging 2016;44(1):112-121

Jablonka A, Solbach P, Ringe B, Schleenvoigt BT, Dopfer C, Hampel A, Schmidt RE, Behrens GMN. Niedrige Seroprävalenz von Hepatitis C bei Flüchtlingen in Deutschland im Jahr 2015. Notfall Rettungsmed 2017;20(1):1-5

Jäger MD, Vondran FW, Ramakers W, Röseler T, Schlitt HJ, Bektas H, Klempnauer J, Timrott K. A Depleting Anti-CD45 Monoclonal Antibody as Isolated Conditioning for Bone Marrow Transplantation in the Rat PLoS One 2016;11(5):e0154682

Kaltenborn A, Nolte A, Schwager Y, Littbarski SA, Emmanouilidis N, Arelin V, Klempnauer J, Schrem H. Identification of patients at risk for renal impairment after living donor kidney transplantation Langenbecks Arch Surg 2016;401(8):1219-1229

Kaltenborn A, Schrem H, Reichert B, Braun F, Emmanouilidis N, Klempnauer J, Becker T, Heits N. The Glasgow Prognostic Score and its variants predict mortality in living donor but not in deceased donor liver transplantation for hepatocellular carcinoma: A double-center validation study. Hepatol Res 2016;DOI: 10.1111/hepr.12818

Koch M, Poehnert D, Nashan B. Effects of FTY720 on peripheral blood lymphocytes and graft infiltrating cells in a rat model of chronic renal allograft rejection Transpl Immunol 2016;35:12-17

Krawczyk M, Grat M, Adam R, Polak WG, Klempnauer J, Pinna A, Di Benedetto F, Filippone F, Senninger N, Foss A, Rufián-Peña S, Bennet W, Pratschke J, Paul A, Settmacher U, Rossi G, Salizzoni M, Fernandez-Selles C, Martinez de Rituerto ST, Gómez-Bravo MA, Pirenne J, Detry O, Majno PE, Nemec P, Bechstein WO, Bartels M, Nadalin S, Pruvot FR, Mirza DF, Lupo L, Colledan M, Tisone G, Ringers J, Daniel J, Charco Torra R, Moreno González E, Bañares Cañizares R, Cuervas-Mons Martínez V, San Juan Rodríguez F, Yilmaz S, Remiszewski P, European Liver and Intestine Transplant Association (ELITA). Liver Transplantation for Hepatic Trauma: A Study From the European Liver Transplant Registry Transplantation 2016;100(11):2372-2381

Kulik U, Schrem H, Bektas H, Klempnauer J, Lehner F. Prognostic relevance of hematological profile before resection for colorectal liver metastases. J Surg Res 2016;206(2):498-506

Lai Q, Feys E, Karam V, Adam R, Klempnauer J, Oliverius M, Mazzaferro V, Pascher A, Remiszewski P, Isoniemi H, Pirenne J, Foss A, Erliczon BG, Markovic S, Lerut J, European Liver and Intestine Transplant Association (ELITA). Hepatic Epithelioid Hemangio-Endothelioma and Adult Liver Transplantation: Proposal for a Prognostic Score Based on the Analysis of the Eltr-Elita Registry Transplantation 2016;DOI: 10.1097/TP.0000000000001603

Oldhafer F, Ringe KI, Timrott K, Kleine M, Ramackers W, Cammann S, Jäger MD, Klempnauer J, Bektas H, Vondran FW. Monitoring of liver function in a 73-year old patient undergoing 'Associating Liver Partition and Portal vein ligation for Staged hepatectomy': case report applying the novel liver maximum function capacity test. *Patient Saf Surg* 2016;10:16

Poehnert D, Grethe L, Maegel L, Jonigk D, Lippmann T, Kaltenborn A, Schrem H, Klempnauer J, Winny M. Evaluation of the Effectiveness of Peritoneal Adhesion Prevention Devices in a Rat Model. *Int J Med Sci* 2016;13(7):524-532

Rataj D, Werwitzke S, Haarmeijer B, Winkler M, Ramackers W, Petersen B, Niemann H, Wünsch A, Bähr A, Klymiuk N, Wolf E, Abicht JM, Ayares D, Tiede A. Inhibition of complement component C5 prevents clotting in an ex vivo model of xenogeneic activation of coagulation. *Xenotransplantation* 2016;23(2):117-127

Rausch L, Koenecke C, Koch HF, Kaltenborn A, Emmanouilidis N, Pape L, Lehner F, Arelin V, Baumann U, Schrem H. Matched-pair analysis: identification of factors with independent influence on the development of PTLD after kidney or liver transplantation. *Transplant Res* 2016;5:6

Rummo OO, Carmellini M, Rostaing L, Oberbauer R, Christiaans MH, Mousson C, Langer RM, Citterio F, Charpentier B, Brown M, Kazeem G, Lehner F, ADHERE study investigators. ADHERE: randomized controlled trial comparing renal function in de novo kidney transplant recipients receiving prolonged-release tacrolimus plus mycophenolate mofetil or sirolimus. *Transpl Int* 2017;30(1):83-95

Schrem H, Focken M, Gunson B, Reichert B, Mirza D, Kreipe HH, Neil D, Kaltenborn A, Goldis A, Krauth C, Roberts K, Becker T, Klempnauer J, Neuberger J. The new liver allocation score for transplantation is validated and improved transplant survival benefit in Germany but not in the United Kingdom. *Liver Transpl* 2016;22(6):743-756

Schrem H, Klussmann A, Focken M, Emmanouilidis N, Oldhafer F, Klempnauer J, Kaltenborn A. Post-Operative Hemorrhage After Liver Transplantation: Risk Factors and Long-Term Outcome. *Ann Transplant* 2016;21:46-55

Schrem H, Schneider V, Kurok M, Goldis A, Dreier M, Kaltenborn A, Gwinner W, Barthold M, Liebeneiner J, Winny M, Klempnauer J, Kleine M. Independent Pre-Transplant Recipient Cancer Risk Factors after Kidney Transplantation and the Utility of G-Chart Analysis for Clinical Process Control. *PLoS One* 2016;11(7):e0158732

Siddharta A, Pfaender S, Malassa A, Doerrbecker J, Anggakusuma, Engelmann M, Nugraha B, Steinmann J, Todt D, Vondran FW, Mateu-Gelabert P, Goffinet C, Steinmann E. Inactivation of HCV and HIV by microwave: a novel approach for prevention of virus transmission among people who inject drugs. *Sci Rep* 2016;6:36619

Sommerer C, Budde K, Zeier M, Wüthrich RP, Reinke P, Eisenberger U, Mühlfeld A, Arns W, Stahl R, Heller K, Wolters HH, Suwelack B, Klehr HU, Hauser IA, Stangl M, Nadalin S, Dürr M, Porstner M, May C, Wimmer P, Witzke O, Lehner F. Early conversion from cyclosporine to everolimus following living-donor kidney transplantation: outcomes at 5 years posttransplant in the randomized ZEUS trial. *Clin Nephrol* 2016;85(4):215-225

Sterneck M, Kaiser GM, Heyne N, Richter N, Rauchfuss F, Pascher A, Schemmer P, Fischer L, Klein CG, Nadalin S, Lehner F, Settmacher U, Gotthardt D, Loss M, Ladenburger S, Wimmer P, Dworak M, Schlitt HJ. Long-term follow-up of five yr shows superior renal function with everolimus plus early calcineurin inhibitor withdrawal in the PROTECT randomized liver transplantation study. *Clin Transplant* 2016;30(6):741-748

Vieyres G, Welsch K, Gerold G, Gentzsch J, Kahl S, Vondran FW, Kaderali L, Pietschmann T. ABHD5/CGI-58, the Chanarin-Dorfman Syndrome Protein, Mobilises Lipid Stores for Hepatitis C Virus Production. *PLoS Pathog* 2016;12(4):e1005568

Wang L, Balzer MS, Rong S, Menne J, von Vietinghoff S, Dong L, Gueler F, Jang MS, Xu G, Timrott K, Tkachuk S, Hiss M, Haller H, Shushakova N. Protein kinase C alpha inhibition prevents peritoneal damage in a mouse model of chronic peritoneal exposure to high-glucose dialysate. *Kidney Int* 2016;89(6):1253-1267

Winny M, Grethe L, Maegel L, Jonigk D, Lippmann T, Klempnauer J, Poehnert D. Impairment of the Peritoneal Surface as a Decisive Factor for Intestinal Adhesions in Intraperitoneal Onlay Mesh Surgery - Introducing a New Rat Model. *Int J Med Sci* 2016;13(2):108-112

Winny M, Maegel L, Grethe L, Lippmann T, Jonigk D, Schrem H, Kaltenborn A, Klempnauer J, Poehnert D. Adhesion Prevention Efficacy of Composite Meshes Parietex(R), Proceed(R) and 4DryField(R) PH Covered Polypropylene Meshes in an IPOM Rat Model. *Int J Med Sci* 2016;13(12):936-941

Winny M, Maegel L, Grethe LV, Jonigk D, Borchert P, Kaltenborn A, Schrem H, Klempnauer J, Poehnert D. Treatment of de-peritonealized intestine with 4DryField(R) PH prevents adhesions between non-resorbable intra-peritoneal hernia mesh and bowel. *Am J Transl Res* 2016;8(12):5706-5714

## **Übersichtsarbeiten**

Oldhafer F, Bock M, Falk CS, Vondran FW. Immunological aspects of liver cell transplantation. World J Transplant 2016;6(1):42-53

## **Case reports**

Vondran FW, Schumacher C, Johanning K, Hartleben B, Knitsch W, Wiesner O, Jaeckel E, Manns MP, Klempnauer J, Bektas H, Lehner F. Application of the Liver Maximum Function Capacity Test in Acute Liver Failure: A Helpful Tool for Decision-Making in Liver Transplantation? Case Rep Transplant 2016;2016:7074636

## **Promotionen**

Beetz, Oliver (Dr. med.): Der Einfluss natürlicher Killerzellen in der akuten Abstoßung solider Organe am Beispiel eines heterotopen Herztransplantationsmodells in der Ratte

MHH-Signatur: D 80488

Buermann, Anna (Dr. rer. nat. M.Sc.Biomedicine): Immunomodulation by targeting inhibitory receptorligand interactions in vitro studies and characterisation of PD-L1 transgenic pigs

MHH-Signatur: D 80188

Kaltenborn, Alexander (Dr. med.): Langzeitergebnisse der Lebertransplantation als Ultima Ratio bei schwerstem Lebertrauma

MHH-Signatur: D 80620

Riemer, Marc (Dr. med.): Explanted diseased livers a possible source of metabolic competent primary human hepatocytes = Explantierte erkrankte Lebern als mögliche Quelle für die Isolierung von funktionellen primären humanen Hepatozyten

MHH-Signatur: D 80486

## **Kliniken/Institute der Sektion II ohne Zentrumszuordnung**

### **Klinik für Dermatologie, Allergologie und Venerologie – 6600**

#### **Originalpublikationen**

Bousquet J, Hellings PW, Agache I, Bedbrook A, Bachert C, Bergmann KC, Bewick M, Bindslev-Jensen C, Bosnic-Anticevitch S, Bucca C, Caimmi DP, Camargos PA, Canonica GW, Casale T, Chavannes NH, Cruz AA, De Carlo G, Dahl R, Demoly P, Devillier P, Fonseca J, Fokkens WJ, Guldemond NA, Haahrtela T, Illario M, Just J, Keil T, Klimek L, Kuna P, Larenas-Linnemann D, Morais-Almeida M, Mullol J, Murray R, Naclerio R, O'Hehir RE, Papadopoulos NG, Pawankar R, Potter P, Ryan D, Samolinski B, Schunemann HJ, Sheikh A, Simons FE, Stellato C, Todo-Bom A, Tomazic PV, Valiulis A, Valovirta E, Ventura MT, Wickman M, Young I, Yorgancioglu A, Zuberbier T, Aberer W, Akdis CA, Akdis M, Annesi-Maesano I, Ankri J, Ansotegui IJ, Anto JM, Arnavianhe S, Asarnoj A, Arshad H, Avolio F, Baiardini I, Barbara C, Barbagallo M, Bateman ED, Beghe B, Bel EH, Bennoor KS, Benson M, Bialoszewski AZ, Bieber T, Bjermer L, Blain H, Blasi F, Boner AL, Bonini M, Bonini S, Bosse I, Bouchard J, Boulet LP, Bourret R, Bousquet PJ, Braido F, Briggs AH, Brightling CE, Brozek J, Buhl R, Bunu C, Burte E, Bush A, Caballero-Fonseca F, Calderon MA, Camuzat T, Cardona V, Carreiro-Martins P, Carriazo AM, Carlsen KH, Carr W, Cepeda Sarabia AM, Cesari M, Chatzi L, Chiron R, Chivato T, Chkhartishvili E, Chuchalin AG, Chung KF, Ciprandi G, de Sousa JC, Cox L, Crooks G, Custovic A, Dahmen SE, Darsow U, Dedeu T, Deleanu D, Denburg JA, De Vries G, Didier A, Dinh-Xuan AT, Dokic D, Douagui H, Dray G, Dubakine R, Durham SR, Du Toit G, Dykewicz MS, Eklund P, El-Gamal Y, Ellers E, Emuzyte R, Farrell J, Fink Wagner A, Fiocchi A, Fletcher M, Forastiere F, Gaga M, Gamkrelidze A, Gemicioglu B, Gereda JE, van Wick RG, Gonzalez Diaz S, Grisile I, Grouse L, Gutter Z, Guzman MA, Hellquist-Dahl B, Heinrich J, Horak F, Hourihane JO, Humbert M, Hyland M, Iaccarino G, Jares EJ, Jeandel C, Johnston SL, Joos G, Jonquet O, Jung KS, Jutel M, Kaidashev I, Khaitov M, Kalayci O, Kalyoncu AF, Kardas P, Keith PK, Kerkhof M, Kerstjens HA, Khaltaev N, Kogevinas M, Kolek V, Koppelman GH, Kowalski ML, Kuitunen M, Kull I, Kvedariene V, Lambrecht B, Lau S, Laune D, Le LT, Lieberman P, Lipworth B, Li J, Lodrup Carlsen KC, Louis R, Lupinek C, MacNee W, Magar Y, Magnan A, Mahboub B, Maier D, Majer I, Malva J, Manning P, De Manuel Keenoy E, Marshall GD, Masjedi MR, Mathieu-Dupas E, Maurer M, Mavale-Manuel S, Melen E, Melo-Gomes E, Meltzer EO, Mercier J, Merk H, Miculinic N, Mihaltan F, Milenkovic B, Millot-Keurinck J, Mohammad Y, Momas I, Mosges R, Muraro A, Namazova-Baranova L, Nadif R, Neffen H, Nekam K, Nieto A, Niggemann B, Nogueira-Silva L, Nogues M, Nyembue TD, Ohta K, Okamoto Y, Okubo K, Olive-Elias M, Ouedraogo S, Paggiaro P, Pali-Scholl I, Palkonen S, Panzner P, Papi A, Park HS, Passalacqua G, Pedersen S, Pereira AM, Pfaar O, Picard R, Pigearias B, Pin I, Plavec D, Pohl W, Popov TA, Portejoie F, Postma D, Poulsen LK, Price D, Rabe KF, Raciborski F, Roberts G, Robalo-Cordeiro C, Rodenas F, Rodriguez-Manas L, Rolland C, Roman Rodriguez M, Romano A, Rosado-Pinto J, Rosario N, Rottem M, Sanchez-Borges M, Sastre-Dominguez J, Scadding GK, Scichilone N, Schmid-Grendelmeier P, Serrano E, Shields M, Siroux V, Sisul JC, Skrindo I, Smit HA, Sole D, Sooronbaev T, Spranger O, Stelmach R, Sterk PJ, Strandberg T, Sunyer J, Thijs C, Triggiani M, Valenta R, Valero A, van Eerd M, van Ganse E, van Hague M, Vandenplas O, Varona LL, Vellas B, Vezzani G, Vazankari T, Viegi G, Vontetsianos T, Wagenmann M, Walker S, Wang DY, Wahn U, Werfel T, Whalley B, Williams DM, Williams S, Wilson N, Wright J, Yawn BP, Yiallouros PK, Yusuf OM, Zaidi A, Zar HJ, Zernotti ME, Zhang L, Zhong N, Zidarn M. ARIA 2016: Care pathways implementing emerging technologies for predictive medicine in rhinitis and asthma across the life cycle Clin Transl Allergy 2016;6:47

DeTemple V, Satzger I, Walter A, Schaper K, Gutzmer R. Effects of mammalian target of rapamycin inhibitors on cytokine production and differentiation in keratinocytes *Exp Dermatol* 2016;25(10):775-782

Duan S, Wanke K, Wawrzyniak P, Meng Y, Kast JL, Rückert B, Rebane A, Xian M, Bindslev-Jensen C, Broesby-Olsen S, Raap U, Werfel T, Akdis M, Zhang L, Akdis CA. Platelet-activating factor decreases skin keratinocyte tight junction barrier integrity *J Allergy Clin Immunol* 2016;138(6):1725-1728.e3

Dummer R, Guminiski A, Gutzmer R, Dirix L, Lewis KD, Combemale P, Herd RM, Kaatz M, Loquai C, Stratigos AJ, Schulze HJ, Plummer R, Gogov S, Pallaud C, Yi T, Mone M, Chang AL, Cornélis F, Kudchadkar R, Trefzer U, Lear JT, Sellami D, Migden MR. The 12-month analysis from Basal Cell Carcinoma Outcomes with LDE225 Treatment (BOLT): A phase II, randomized, double-blind study of sonidegib in patients with advanced basal cell carcinoma *J Am Acad Dermatol* 2016;75(1):113-125.e5

Eigentler TK, Gutzmer R, Hauschild A, Heinzerling L, Schadendorf D, Nashan D, Hölzle E, Kiecker F, Becker J, Sunderkötter C, Moll I, Richtig E, Pönitzsch I, Pehamberger H, Kaufmann R, Pföhler C, Vogt T, Berking C, Praxmarer M, Garbe C, Dermatologic Cooperative Oncology Group (DeCOG). Adjuvant treatment with pegylated interferon alpha-2a versus low-dose interferon alpha-2a in patients with high-risk melanoma: a randomized phase III DeCOG trial *Ann Oncol* 2016;27(8):1625-1632

Engmann J, Rüdrich U, Behrens G, Papakonstantinou E, Gehring M, Kapp A, Raap U. Increased Activity and Apoptosis of Eosinophils in Blister Fluids, Skin and Peripheral Blood of Patients with Bullous Pemphigoid. *Acta Derm Venereol* 2017;97(4):464-471

Földer-Holst R, Papakonstantinou E, Rüdrich U, Buchner M, Pite H, Gehring M, Kapp A, Weidinger S, Raap U. Childhood atopic dermatitis-Brain-derived neurotrophic factor correlates with serum eosinophil cationic protein and disease severity *Allergy* 2016;71(7):1062-1065

Frick M, Fischer J, Helbling A, Ruëff F, Wieczorek D, Ollert M, Pfützner W, Müller S, Huss-Marp J, Dorn B, Biedermann T, Lidholm J, Rueckert G, Bantleon F, Miehe M, Spillner E, Jakob T. Predominant Api m 10 sensitization as risk factor for treatment failure in honey bee venom immunotherapy *J Allergy Clin Immunol* 2016;138(6):1663-1671.e9

Gutzmer R, Christiansen H. Reduziertes Rezidivrisiko im Bestrahlungsareal durch adjuvante Strahlentherapie bei lymphogen metastasierten malignen Melanomen mit hohem regionärem Rezidivrisiko. *Strahlenther Onkol* 2016;192(3):190-192

Gutzmer R, Rivoltini L, Levchenko E, Testori A, Utikal J, Ascierto PA, Demidov L, Grob JJ, Ridolfi R, Schadendorf D, Queirolo P, Santoro A, Loquai C, Dreno B, Hauschild A, Schultz E, Lesimple TP, Vanhoutte N, Salaun B, Gillet M, Jarnjak S, De Sousa Alves PM, Louahed J, Brichard VG, Lehmann FF. Safety and immunogenicity of the PRAME cancer immunotherapeutic in metastatic melanoma: results of a phase I dose escalation study *ESMO Open* 2016;1(4):e000068

Hesse K, Satzger I, Schacht V, Köther B, Hillen U, Klode J, Schaper K, Gutzmer R. Characterisation of Prognosis and Invasion of Cutaneous Squamous Cell Carcinoma by Podoplanin and E-Cadherin Expression *Dermatology* 2016;232(5):558-565

Hofmann L, Forschner A, Loquai C, Goldinger SM, Zimmer L, Ugurel S, Schmidgen MI, Gutzmer R, Utikal JS, Göppner D, Hassel JC, Meier F, Tietze JK, Thomas I, Weishaupt C, Leverkus M, Wahl R, Dietrich U, Garbe C, Kirchberger MC, Eigentler T, Berking C, Gesierich A, Krackhardt AM, Schadendorf D, Schuler G, Dummer R, Heinzerling LM. Cutaneous, gastrointestinal, hepatic, endocrine, and renal side-effects of anti-PD-1 therapy *Eur J Cancer* 2016;60:190-209

Kaehler KC, Blome C, Forschner A, Gutzmer R, Haalck T, Heinzerling L, Kornek T, Livingstone E, Loquai C, Maul LV, Lang BM, Schadendorf D, Stade B, Terheyden P, Utikal J, Wagner T, Hauschild A, Garbe C, Augustin M. Preferences of German melanoma patients for interferon (IFN) alpha-2b toxicities (the DeCOG "GERMELATOX survey") versus melanoma recurrence to quantify patients' relative values for adjuvant therapy *Medicine (Baltimore)* 2016;95(46):e5375

Kleiner S, Braunstahl GJ, Rüdrich U, Gehring M, Eiz-Vesper B, Luger TA, Steelant B, Seys SF, Kapp A, Böhm M, Hellings PW, Raap U. Regulation of melanocortin 1 receptor in allergic rhinitis in vitro and in vivo. *Clin Exp Allergy* 2016;46(8):1066-1074

Mommert S, Kleiner S, Gehring M, Eiz-Vesper B, Stark H, Gutzmer R, Werfel T, Raap U. Human basophil chemotaxis and activation are regulated via the histamine H4 receptor. *Allergy* 2016;71(9):1264-1273

Mommert S, Ratz L, Herwig K, Rost M, Gutzmer R, Werfel T. Genetic variations within the promotor region of the human histamine H4 receptor gene in psoriasis patients *Pharmacol Res* 2016;114:121-127

Papakonstantinou E, Prasse A, Schacht V, Kapp A, Raap U. Pirfenidone-induced severe phototoxic reaction in a patient with idiopathic lung fibrosis. *J Eur Acad Dermatol Venereol* 2016;30(8):1354-1356

Roerdink EM, Flokstra-de Blok BM, Blok JL, Schuttelaar ML, Niggemann B, Werfel T, Van der Heide S, Kukler J, Kollen BJ, Dubois AE. Association of food allergy and atopic dermatitis exacerbations Ann Allergy Asthma Immunol 2016;116(4):334-338

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. J Immunol 2016;196(8):3245-3252

Saiag P, Gutzmer R, Ascierto PA, Maio M, Grob JJ, Murawa P, Dreno B, Ross M, Weber J, Hauschild A, Rutkowski P, Testori A, Levchenko E, Enk A, Misery L, Vanden Abeele C, Vojtek I, Peeters O, Brichard VG, Therasse P. Prospective assessment of a gene signature potentially predictive of clinical benefit in metastatic melanoma patients following MAGE-A3 immunotherapeutic (PREDICT) Ann Oncol 2016;27(10):1947-1953

Sarett SM, Werfel TA, Chandra I, Jackson MA, Kavanaugh TE, Hattaway ME, Giorgio TD, Duvall CL. Hydrophobic interactions between polymeric carrier and palmitic acid-conjugated siRNA improve PEGylated polyplex stability and enhance in vivo pharmacokinetics and tumor gene silencing. Biomaterials 2016;97:122-132

Schaper K, Rossbach K, Köther B, Stark H, Kietzmann M, Werfel T, Gutzmer R. Stimulation of the histamine 4 receptor upregulates thymic stromal lymphopoietin (TSLP) in human and murine keratinocytes Pharmacol Res 2016;113(Pt A):209-215

Schmitt J, Abraham S, Trautmann F, Stephan V, Fölster-Holst R, Homay B, Bieber T, Novak N, Sticherling M, Augustin M, Kleinheinz A, Elsner P, Weidinger S, Werfel T. Einsatz und Wirksamkeit von Systemtherapien bei Erwachsenen mit schwerer Neurodermitis: Erste Ergebnisse des deutschen Neurodermitis-Registers TREATgermany J Dtsch Dermatol Ges 2017;15(1):49-59

Ständer S, Raap U. Pruritus : Quo vadis? Hautarzt 2016;67(8):594

Treudler R, Franke A, Schmiedeknecht A, Ballmer-Weber B, Worm M, Werfel T, Jappe U, Biedermann T, Schmitt J, Brehler R, Kleinheinz A, Kleine-Tebbe J, Brüning H, Ruéff F, Ring J, Saloga J, Schäkel K, Holzhauser T, Vieths S, Simon JC. BASALIT trial: double-blind placebo-controlled allergen immunotherapy with rBet v 1-FV in birch-related soya allergy Allergy 2016;DOI: 10.1111/all.13112

Treudler R, Franke A, Schmiedeknecht A, Ballmer-Weber BK, Worm M, Werfel T, Jappe U, Biedermann T, Schmitt J, Brehler R, Kleinheinz A, Kleine-Tebbe J, Brüning H, Ruéff F, Ring J, Saloga J, Schäkel K, Holzhauser T, Vieths S, Simon JC. Standardization of double blind placebo controlled food challenge with soy within a multicentre trial Clin Transl Allergy 2016;6:39

Wedi B. Weihnachten - aus allergologischer Sicht. Dtsch Med Wochenschr 2016;141(25):1828-1834

Weide B, Martens A, Hassel JC, Berking C, Postow MA, Bisschop K, Simeone E, Mangana J, Schilling B, Di Giacomo AM, Brenner N, Kähler K, Heinzerling L, Gutzmer R, Bender A, Gebhardt C, Romano E, Meier F, Martus P, Maio M, Blank C, Schadendorf D, Dummer R, Ascierto PA, Hospers G, Garbe C, Wolchok JD. Baseline Biomarkers for Outcome of Melanoma Patients Treated with Pembrolizumab Clin Cancer Res 2016;22(22):5487-5496

Westphal GA, Rihs HP, Schaffranek A, Zeiler T, Werfel T, Heratizadeh A, Dickel H, Weisshaar E, Bauer A, Schliemann S, Reich K, Breuer K, Schröder-Kraft C, Worm M, Molin S, Brans R, Schäkel K, Schwantes H, Pföhler C, Szliska C, Kreft B, Löffler H, Bünger J, Brüning T, Geier J, Schnuch A. A variant of the CXCL11 gene may influence susceptibility to contact allergy, particularly in polysensitized patients Contact Dermatitis 2016;75(5):303-307

Wieczorek D, Kapp A, Wedi B. Omalizumab in Urticaria: One for all? Allergologie 2016;39(1):22-28

Zimmer L, Goldinger SM, Hofmann L, Loquai C, Ugurel S, Thomas I, Schmidgen MI, Gutzmer R, Utikal JS, Göppner D, Hassel JC, Meier F, Tietze JK, Forschner A, Weishaupt C, Leverkus M, Wahl R, Dietrich U, Garbe C, Kirchberger MC, Eigentler T, Berking C, Gesierich A, Krackhardt AM, Schadendorf D, Schuler G, Dummer R, Heinzerling LM. Neurological, respiratory, musculoskeletal, cardiac and ocular side-effects of anti-PD-1 therapy Eur J Cancer 2016;60:210-225

## Übersichtsarbeiten

Bieber T, Akdis C, Lauener R, Traidl-Hoffmann C, Schmid-Grendelmeier P, Schäppi G, Allam JP, Apfelbacher C, Augustin M, Beck L, Biedermann T, Braun-Fahrlander C, Chew FT, Clavel T, Crameri R, Darsow U, Deleuran M, Dittlein D, Duchna HW, Eichenfeld L, Eyerich K, Frei R, Gelmetti C, Gieler U, Gilles S, Glatz M, Grando K, Green J, Gutermuth J, Guttman-Yassky E, Hanifin J, Hijnen D, Hoetzenegger W, Irvine A, Kalweit A, Katoh N, Knol E, Koren H, Mohrenschlager M, Munch D, Novak N, O'Mahony L, Paller AS, Rhyner C, Roduit C, Schieser K, Schroder J, Simon D, Simon HU, Sokolowska M, Spuls P, Stalder JF, Straub D, Szalai Z, Taieb A, Takaoka R, Todd G, Todorova A, Vestergaard C, Werfel T, Wollenberg A, Ring J. Global Allergy Forum and 3rd Davos Declaration 2015: Atopic dermatitis/Eczema: challenges and opportunities toward precision medicine. Allergy 2016;71(5):588-592

Brehler R, Klimek L, Vogelberg C, Werfel T, Pfaar O, Hamelmann E. Evidence vs. efficacy in allergen-specific immunotherapy: Considerations using the example of tradable products in Germany. *Allergo J Int* 2016;25:38-43

Brunner PM, Silverberg JI, Guttman-Yassky E, Paller AS, Kabashima K, Amagai M, Luger TA, Deleuran M, Werfel T, Eyerich K, Stingl G, Councilors of the International Eczema Council. Increasing Comorbidities Suggest that Atopic Dermatitis Is a Systemic Disorder. *J Invest Dermatol* 2017;137(1):18-25

Eigenthaler TK, Hassel JC, Berking C, Aberle J, Bachmann O, Grünwald V, Kähler KC, Loquai C, Reinmuth N, Steins M, Zimmer L, Sendl A, Gutzmer R. Diagnosis, monitoring and management of immune-related adverse drug reactions of anti-PD-1 antibody therapy. *Cancer Treat Rev* 2016;45:7-18

Gutzmer R, Rauschenberg R, Meier F. Systemtherapie des inoperabel metastasierten malignen Melanoms. *Hautarzt* 2016;67(7):529-535

Heratizadeh A, Werfel T. Anti-inflammatory therapies in atopic dermatitis *Allergy* 2016;71(12):1666-1675

Heratizadeh A. Atopic dermatitis: new evidence on the role of allergic inflammation. *Curr Opin Allergy Clin Immunol* 2016;16(5):458-464

Jutel M, Agache I, Bonini S, Burks AW, Calderon M, Canonica W, Cox L, Demoly P, Frew AJ, O'Hehir R, Kleine-Tebbe J, Muraro A, Lack G, Larenas D, Levin M, Martin BL, Nelson H, Pawankar R, Pfaar O, van Ree R, Sampson H, Sublett JL, Sugita K, Du Toit G, Werfel T, Gerth van Wijk R, Zhang L, Akdis M, Akdis CA. International Consensus on Allergen Immunotherapy II: Mechanisms, standardization, and pharmacoeconomics. *J Allergy Clin Immunol* 2016;137(2):358-368

Kähler KC, Hassel JC, Heinzerling L, Loquai C, Mössner R, Ugurel S, Zimmer L, Gutzmer R, "Cutaneous Side Effects" Committee of the Work Group Dermatological Oncology (ADO). Management of side effects of immune checkpoint blockade by anti-CTLA-4 and anti-PD-1 antibodies in metastatic melanoma. *J Dtsch Dermatol Ges* 2016;14(7):662-681

Leiter U, Gutzmer R, Alter M, Ulrich C, Lonsdorf AS, Sachse MM, Hillen U. Kutanes Plattenepithelkarzinom. *Hautarzt* 2016;67(11):857-866

Mahler V, Häberle M, Becker D, Dickel H, Diepgen HL, Fartasch M, Hillen U, John SM, Krohn S, Lessmann H, Skudlik C, Weisshaar E, Werfel T, Geier J. Auswirkung einer arbeitsbedingten Kontaktallergie gegen Sulfite bei der BK 5101. *Dermatologie in Beruf und Umwelt* 2016;64(1):6-15

Papakonstantinou E, Raap U. Oral Cavity and Allergy: Meeting the Diagnostic and Therapeutic Challenge. *Curr Oral Health Rep* 2016;3(4):347-355

Raab U, Papakonstantinou E, Metz M, Lippert U, Schmelz M. Aktuelles zur kutanen Neurobiologie von Pruritus. *Hautarzt* 2016;67(8):595-600

Roesner LM, Werfel T, Heratizadeh A. The adaptive immune system in atopic dermatitis and implications on therapy. *Expert Rev Clin Immunol* 2016;12(7):787-796

Schaper K, Köther B, Hesse K, Satzger I, Gutzmer R. The Pattern and Clinicopathological Correlates of PD-L1 Expression in Cutaneous Squamous Cell Carcinoma. *Br J Dermatol* 2017;176(5):1354-1356

Wedi B. Dermatitis update: clinical manifestations, pathogenesis and current therapeutic approaches. *Allergo J Int* 2016;25(7):219-232

Werfel T, Aberer W, Ahrens F, Augustin M, Biedermann T, Diepgen T, Fölster-Holst R, Gieler U, Heratizadeh A, Kahle J, Kapp A, Nast A, Nemat K, Ott H, Przybilla B, Roecken M, Schlaeger M, Schmid-Grendelmeier P, Schmitt J, Schwennesen T, Staab D, Worm M, Association of Scientific Medical Societies of Germany. Leitlinie Neurodermitis [atopisches Ekzem; atopische Dermatitis]. *J Dtsch Dermatol Ges* 2016;14(1):e1-75

Werfel T, Allam JP, Biedermann T, Eyerich K, Gilles S, Guttman-Yassky E, Hoetzenegger W, Knol E, Simon HU, Wollenberg A, Bieber T, Lauener R, Schmid-Grendelmeier P, Traidl-Hoffmann C, Akdis CA. Cellular and molecular immunologic mechanisms in patients with atopic dermatitis. *J Allergy Clin Immunol* 2016;138(2):336-349

Werfel T. Nahrungsmittelallergie im Erwachsenenalter. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(6):737-744

Wieczorek D, Kapp A, Wedi B. Aktuelles von der Kontaktallergie - Übersicht und Bewertung. *Allergologie* 2016;39(10):453-466

Wollenberg A, Oranje A, Deleuran M, Simon D, Szalai Z, Kunz B, Svensson A, Barbarot S, von Kobyletzki L, Taieb A, de Bruin-Weller M, Werfel T, Trzeciak M, Vestergaard C, Ring J, Darsow U, European Task Force on Atopic Dermatitis/EADV Eczema Task Force. ETFAD/EADV Eczema task force 2015 position paper on diagnosis and treatment of atopic dermatitis in adult and paediatric patients J Eur Acad Dermatol Venereol 2016;30(5):729-747

#### **Letter**

Breuer K, Göldner FM, Jäger B, Werfel T, Schmid-Ott G. Relationship between chronic stress and CRP levels in women with psoriasis. J Dtsch Dermatol Ges 2016;14(5):528-530

Mahler V, Schnuch A, Bauer A, Werfel T, Strömer K, Enk A, Bieber T, Klimek L. Eingeschränkte Verfügbarkeit diagnostischer Epikutantest-Allergene gefährdet die Patientenversorgung. J Dtsch Dermatol Ges 2016;14(7):743-745

#### **Case reports**

Papakonstantinou E, Kapp A, Raap U. A mild form of dermatomyositis as a prodromal sign of lung adenocarcinoma: a case report. J Med Case Rep 2016;10:34

Papakonstantinou E, Raap U. Sudden Onset of Dermatomyositis as a Sign of Recurrence of Breast Cancer along with Regional Metastasis. J Autoimmun Res 2016;3(1):1-3

#### **Editorials**

Gutzmer R, Meier F. Malignes Melanom. Hautarzt 2016;67(7):510

Wedi B. Chronische Urtikaria: auch 2016 eine Herausforderung! Allergologie 2016;39(1):1

Wieczorek D, Kapp A, Wedi B. Vorwort. Allergologie 2016;39(7):297

#### **Buchbeiträge, Monografien**

Wedi B. Allergic Contact Dermatitis. In: Mahmoudi M [Hrsg.]: Allergy and Asthma. 2nd ed. New York: Springer, 2016

Wedi B. Evidenzbasierte und neue Diagnostik sowie Therapie bei Urtikaria und Angioödem. In: Darsow U, Raap U [Hrsg.]: Allergologie kompakt. München-Deisenhofen: Dustri-Verlag Dr. Karl Feistle, 2016. S. 257-270

Wedi B, Kapp A. Urticaria and Angioedema. In: Mahmoudi M [Hrsg.]: Allergy and Asthma: Practical Diagnosis and Management. Springer Verlag: New York, 2016. S. 143-165

Werfel T. Atopische Dermatitis. In: Darsow U, Raap U [Hrsg.]: Allergologie kompakt. München-Deisenhofen: Dustri-Verlag Dr. Karl Feistle, 2016. S. 271-284

#### **Promotionen**

Degen, Annette (Dr. med.): Kutane Nebenwirkungen der kombinierten Therapie mit Sorafenib und pegyliertem Interferon alfa-2b bei metastasiertem Melanom: eine detaillierte Auswertung der Phase II- SoraPeg-Studie der Arbeitsgemeinschaft Dermatologische Onkologie (ADO)

MHH-Signatur: D 80386

Hesse, Kristina (Dr. med.): Immunhistochemische Untersuchungen zum Invasionsverhalten (Invasionsverhalten) kutaner Plattenepithelkarzinome anhand der Markerproteine E-Cadherin und Podoplanin  
MHH-Signatur: D 80483

Koop, Anika (Dr. med.): Pathogenetische und prognostische Relevanz von microRNAs im malignen Melanom  
MHH-Signatur: D 80691

Ottmann, Karl Wolfgang (Dr. med.): Detection of mitotic figures in thin melanomas immunohistochemistry does not replace the careful search for mitotic figures in hematoxylin-eosin stain  
MHH-Signatur: D 80606

Papakonstantinou, Eleni (Dr. med.): Untersuchungen zur Rolle von Brain-derived neurotrophic factor bei der atopischen Dermatitis im Kindesalter  
MHH-Signatur: D 80437

## Forschungsabteilung Immundermatologie und experimentelle Allergologie – 6610

### Originalpublikationen

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. *J Immunol* 2016;196(8):3245-3252

## Klinik für Frauenheilkunde und Geburtshilfe – 6410

### Originalpublikationen

Andersen LB, Golic M, Przybyl L, Sorensen GL, Jorgensen JS, Fruekilde P, von Versen-Höynck F, Herse F, Hojskov CS, Dechend R, Christesen HT, Haase N. Vitamin D depletion does not affect key aspects of the preeclamptic phenotype in a transgenic rodent model for preeclampsia. *J Am Soc Hypertens* 2016;10(7):597-607.e1

Beier R, Sykora KW, Woessmann W, Maecker-Kolhoff B, Sauer M, Kreipe HH, Dörk-Bousset T, Kratz C, Lauten M. Allogeneic-matched sibling stem cell transplantation in a 13-year-old boy with ataxia telangiectasia and EBV-positive non-Hodgkin lymphoma. *Bone Marrow Transplant* 2016;51(9):1271-1274

Bogdanova N, Pfeifer K, Schürmann P, Antonenkova N, Siggelkow W, Christiansen H, Hillemanns P, Park-Simon TW, Dörk T. Analysis of a RECQL splicing mutation, c.1667\_1667+3delAGTA, in breast cancer patients and controls from Central Europe. *Fam Cancer* 2017;16(2):181-186

Cannioto R, LaMonte MJ, Risch HA, Hong CC, Sucheston-Campbell LE, Eng KH, Szender JB, Chang-Claude J, Schmalfeldt B, Klapdor R, Gower E, Minlikeeva AN, Zirpoli GR, Bandera EV, Berchuck A, Cramer D, Doherty JA, Edwards RP, Fridley BL, Goode EL, Goodman MT, Hogdall E, Hosono S, Jensen A, Jordan S, Kjaer SK, Matsuo K, Ness RB, Olsen CM, Olson SH, Pearce CL, Pike MC, Rossing MA, Szamreta EA, Thompson PJ, Tseng CC, Vierkant RA, Webb P, Wentzensen N, Wicklund KG, Winham SJ, Wu AH, Modugno F, Schildkraut JM, Terry KL, Kelemen LE, Moysich KB. Chronic Recreational Physical Inactivity and Epithelial Ovarian Cancer Risk: Evidence from the Ovarian Cancer Association Consortium. *Cancer Epidemiol Biomarkers Prev* 2016;25(7):1114-1124

Cannioto RA, LaMonte MJ, Kelemen LE, Risch HA, Eng KH, Minlikeeva AN, Hong CC, Szender JB, Sucheston-Campbell L, Joseph JM, Berchuck A, Chang-Claude J, Cramer DW, DeFazio A, Diergaarde B, Dörk T, Doherty JA, Edwards RP, Fridley BL, Friel G, Goode EL, Goodman MT, Hillemanns P, Hogdall E, Hosono S, Kelley JL, Kjaer SK, Klapdor R, Matsuo K, Odunsi K, Nagle CM, Olsen CM, Paddock LE, Pearce CL, Pike MC, Rossing MA, Schmalfeldt B, Segal BH, Szamreta EA, Thompson PJ, Tseng CC, Vierkant R, Schildkraut JM, Wentzensen N, Wicklund KG, Winham SJ, Wu AH, Modugno F, Ness RB, Jensen A, Webb PM, Terry K, Bandera EV, Moysich KB. Recreational physical inactivity and mortality in women with invasive epithelial ovarian cancer: evidence from the Ovarian Cancer Association Consortium. *Br J Cancer* 2016;115(1):95-101

Chen K, Ouyang Y, Hillemanns P, Jentschke M. Excellent analytical and clinical performance of a dry self-sampling device for human papillomavirus detection in an urban Chinese referral population. *J Obstet Gynaecol Res* 2016;42(12):1839-1845

Cheng TH, Thompson DJ, O'Mara TA, Painter JN, Glubb DM, Flach S, Lewis A, French JD, Freeman-Mills L, Church D, Gorman M, Martin L, National Study of Endometrial Cancer Genetics Group (NSECG), Hodgson S, Webb PM, Australian National Endometrial Cancer Study Group (ANECS), Attia J, Holliday EG, McEvoy M, Scott RJ, Henders AK, Martin NG, Montgomery GW, Nyholt DR, Ahmed S, Healey CS, Shah M, Dennis J, Fasching PA, Beckmann MW, Hein A, Ekici AB, Hall P, Czene K, Darabi H, Li J, Dörk T, Durst M, Hillemanns P, Runnebaum I, Amant F, Schrauwen S, Zhao H, Lambrechts D, Depreeuw J, Dowdy SC, Goode EL, Fridley BL, Winham SJ, Njolstad TS, Salvesen HB, Trovik J, Werner HM, Ashton K, Otton G, Proietto T, Liu T, Mints M, Tham E, RENDOCAS, CHIBCHA Consortium, Li MJ, Yip SH, Wang J, Bolla MK, Michailidou K, Wang Q, Tyrer JP, Dunlop M, Houlston R, Palles C, Hopper JL, AOCS Group, Peto J, Swerdlow AJ, Burwinkel B, Brenner H, Meindl A, Brauch H, Lindblom A, Chang-Claude J, Couch FJ, Giles GG, Kristensen VN, Cox A, Cunningham JM, Pharoah PD, Dunning AM, Edwards SL, Easton DF, Tomlinson I, Spurdle AB. Five endometrial cancer risk loci identified through genome-wide association analysis. *Nat Genet* 2016;48(6):667-674

Cuellar-Partida G, Lu Y, Dixon SC, Australian Ovarian Cancer Study, Fasching PA, Hein A, Burghaus S, Beckmann MW, Lambrechts D, Van Nieuwenhuysen E, Vergote I, Vanderstichele A, Doherty JA, Rossing MA, Chang-Claude J, Rudolph A, Wang-Gohrke S, Goodman MT, Bogdanova N, Dörk T, Durst M, Hillemanns P, Runnebaum IB, Antonenkova N, Butzow R, Leminen A, Nevanlinna H, Pelttari LM, Edwards RP, Kelley JL, Modugno F, Moysich KB, Ness RB, Cannioto R, Hogdall E, Hogdall C, Jensen A, Giles GG, Bruinsma F, Kjaer SK, Hildebrandt

MA, Liang D, Lu KH, Wu X, Bisogna M, Dao F, Levine DA, Cramer DW, Terry KL, Tworoger SS, Stampfer M, Missmer S, Bjorge L, Salvesen HB, Kopperud RK, Bischof K, Aben KK, Kiemeneij LA, Massuger LF, Brooks-Wilson A, Olson SH, McGuire V, Rothstein JH, Sieh W, Whittemore AS, Cook LS, Le ND, Blake Gilks C, Gronwald J, Jakubowska A, Lubinski J, Kluz T, Song H, Tyrer JP, Wentzensen N, Brinton L, Trabert B, Lissowska J, McLaughlin JR, Narod SA, Phelan C, Anton-Culver H, Ziogas A, Eccles D, Campbell I, Gayther SA, Gentry-Maharaj A, Menon U, Ramus SJ, Wu AH, Dansonka-Mieszkowska A, Kupryjanczyk J, Timorek A, Szafron L, Cunningham JM, Fridley BL, Winham SJ, Bandera EV, Poole EM, Morgan TK, Goode EL, Schildkraut JM, Pearce CL, Berchuck A, Pharoah PD, Webb PM, Chenevix-Trench G, Risch HA, MacGregor S. Assessing the genetic architecture of epithelial ovarian cancer histological subtypes. *Hum Genet* 2016;135(7):741-756

Darabi H, Beesley J, Droit A, Kar S, Nord S, Moradi Marjaneh M, Soucy P, Michailidou K, Ghoussaini M, Fues Wahl H, Bolla MK, Wang Q, Dennis J, Alonso MR, Andrusik IL, Anton-Culver H, Arndt V, Beckmann MW, Benitez J, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Broeks A, Bruning T, Burwinkel B, Chang-Claude J, Choi JY, Conroy DM, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dörk T, Easton DF, Fasching PA, Figueira J, Fletcher O, Flyger H, Galle E, Garcia-Closas M, Giles GG, Goldberg MS, Gonzalez-Neira A, Guenel P, Haiman CA, Hallberg E, Hamann U, Hartman M, Hollestelle A, Hopper JL, Ito H, Jakubowska A, Johnson N, Kang D, Khan S, Kosma VM, Krieger M, Kristensen V, Lambrechts D, Le Marchand L, Lee SC, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, Manoukian S, Margolin S, Matsuo K, Mayes R, McKay J, Meindl A, Milne RL, Muir K, Neuhausen SL, Nevanlinna H, Olszwold C, Orr N, Peterlongo P, Pita G, Pylkas K, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Seynaeve C, Shah M, Shen CY, Shu XO, Southey MC, Stram DO, Surowy H, Swerdlow A, Teo SH, Tessier DC, Tomlinson I, Torres D, Truong T, Vachon CM, Vincent D, Winquist R, Wu AH, Wu PE, Yip CH, Zheng W, Pharoah PD, Hall P, Edwards SL, Simard J, French JD, Chenevix-Trench G, Dunning AM. Fine scale mapping of the 17q22 breast cancer locus using dense SNPs, genotyped within the Collaborative Oncological Gene-Environment Study (COGs). *Sci Rep* 2016;6:32512

Dixon SC, Nagle CM, Thrift AP, Pharoah PD, Pearce CL, Zheng W, Painter JN, Chenevix-Trench AG, Fasching PA, Beckmann MW, Lambrechts D, Vergote I, Lambrechts S, Van Nieuwenhuysen E, Rossing MA, Doherty JA, Wicklund KG, Chang-Claude J, Rudolph A, Moysich KB, Odunsi K, Goodman MT, Wilkens LR, Thompson PJ, Shvetsov YB, Dörk T, Park-Simon TW, Hillemanns P, Bogdanova N, Butzow R, Nevanlinna H, Pelttari LM, Leminen A, Modugno F, Ness RB, Edwards RP, Kelley JL, Heitz F, Karlan BY, Kjaer SK, Hogdall E, Jensen A, Goode EL, Fridley BL, Cunningham JM, Winham SJ, Giles GG, Bruinsma F, Milne RL, Southey MC, Hildebrandt MA, Wu X, Lu KH, Liang D, Levine DA, Bisogna M, Schildkraut JM, Berchuck A, Cramer DW, Terry KL, Bandera EV, Olson SH, Salvesen HB, Thomsen LC, Kopperud RK, Bjorge L, Kiemeneij LA, Massuger LF, Pejovic T, Cook LS, Le ND, Swenerton KD, Brooks-Wilson A, Kelemen LE, Lubinski J, Huzarski T, Gronwald J, Menkiszak J, Wentzensen N, Brinton L, Yang H, Lissowska J, Hogdall CK, Lundvall L, Song H, Tyrer JP, Campbell I, Eccles D, Paul J, Glasspool R, Siddiqui N, Whittemore AS, Sieh W, McGuire V, Rothstein JH, Narod SA, Phelan C, Risch HA, McLaughlin JR, Anton-Culver H, Ziogas A, Menon U, Gayther SA, Ramus SJ, Gentry-Maharaj A, Wu AH, Pike MC, Tseng CC, Kupryjanczyk J, Dansonka-Mieszkowska A, Budzilowska A, Spiewankiewicz B, Webb PM, Ovarian Cancer Association Consortium. Adult body mass index and risk of ovarian cancer by subtype: a Mendelian randomization study. *Int J Epidemiol* 2016;45(3):884-895

Dunning AM, Michailidou K, Kuchenbaecker KB, Thompson D, French JD, Beesley J, Healey CS, Kar S, Pooley KA, Lopez-Knowles E, Dicks E, Barrowdale D, Sinnott-Armstrong NA, Sallari RC, Hillman KM, Kaufmann S, Sivakumaran H, Moradi Marjaneh M, Lee JS, Hills M, Jarosz M, Drury S, Canisius S, Bolla MK, Dennis J, Wang Q, Hopper JL, Southey MC, Broeks A, Schmidt MK, Lophatananon A, Muir K, Beckmann MW, Fasching PA, Dos-Santos-Silva I, Peto J, Sawyer EJ, Tomlinson I, Burwinkel B, Marmer F, Guenel P, Truong T, Bojesen SE, Flyger H, Gonzalez-Neira A, Perez JL, Anton-Culver H, Eunjung L, Arndt V, Brenner H, Meindl A, Schmutzler RK, Brauch H, Hamann U, Aittomaki K, Blomqvist C, Ito H, Matsuo K, Bogdanova N, Dörk T, Lindblom A, Margolin S, Kosma VM, Mannermaa A, Tseng CC, Wu AH, Lambrechts D, Wildiers H, Chang-Claude J, Rudolph A, Peterlongo P, Radice P, Olson JE, Giles GG, Milne RL, Haiman CA, Henderson BE, Goldberg MS, Teo SH, Nord S, Borresen-Dale AL, Kristensen V, Long J, Zheng W, Pylkas K, Wingquist R, Andrusik IL, Knight JA, Devilee P, Seynaeve C, Figueira J, Sherman ME, Czene K, Darabi H, Hollestelle A, van den Ouwehand AM, Humphreys K, Gao YT, Shu XO, Cox A, Cross SS, Blot W, Cai Q, Ghoussaini M, Perkins BJ, Shah M, Choi JY, Kang D, Lee SC, Hartman M, Kabisch M, Torres D, Jakubowska A, Lubinski J, Brennan P, Sangrajrang S, Ambrosone CB, Toland AE, Shen CY, Wu PE, Orr N, Swerdlow A, McGuffog L, Healey S, Lee A, Kapuscinski M, John EM, Terry MB, Daly MB, Goldgar DE, Buys SS, Janavicius R, Tihomirova L, Tung N, Dorfling CM, van Rensburg EJ, Neuhausen SL, Ejlersen B, Hansen TV, Osorio A, Benitez J, Rando R, Weitzel JN, Bonanni B, Peissel B, Manoukian S, Papi L, Ottini L, Konstantopoulou I, Apostolou P, Garber J, Rashid MU, Frost D, EMBRACE, Izatt L, Ellis S, Godwin AK, Arnold N, Niederacher D, Rhie K, Bogdanova-Markov N, Sagne C, Stoppa-Lyonnet D, Damiola F, GEMO Study Collaborators, Sinilnikova OM, Mazoyer S, Isaacs C, Claes KB, De Leeneer K, de la Hoya M, Caldes T, Nevanlinna H, Khan S, Mensenkamp AR, HEBON, Hooning MJ, Rookus MA, Kwong A, Olah E, Diez O, Brunet J, Pujana MA, Gronwald J, Huzarski T, Barkardottir RB, Laframboise R, Soucy P, Montagna M, Agata S, Teixeira MR, kConFab Investigators, Park SK, Lindor N, Couch FJ, Tischkowitz M, Foretova L, Vijai J, Offit K, Singer CF, Rappaport C, Phelan CM, Greene MH, Mai PL, Rennert G, Imanitov EN, Hulick PJ, Phillips KA, Piedmonte M, Mulligan AM, Glendon G, Bojesen A, Thomassen M, Caligo MA, Yoon SY, Friedman E, Laitman Y, Borg A, von Wachenfeldt A, Ehrencrona H, Rantala J, Olopade OI, Ganz PA, Nussbaum RL, Gayther SA, Nathanson KL, Domchek SM, Arun BK, Mitchell G, Karlan BY, Lester J, Maskarinec G, Woolcott C, Scott C, Stone J, Apicella C, Tamimi R, Luben R, Khaw KT, Helland A, Haakensen V, Dowsett M, Pharoah PD, Simard J, Hall P, Garcia-Closas M, Vachon C, Chenevix-Trench G, Antoniou AC, Easton DF, Edwards SL. Breast cancer risk variants at 6q25 display different phenotype associations and regulate ESR1, RMND1 and CCDC170. *Nat Genet* 2016;48(4):374-386

Easton DF, Lesueur F, Decker B, Michailidou K, Li J, Allen J, Luccarini C, Pooley KA, Shah M, Bolla MK, Wang Q, Dennis J, Ahmad J, Thompson ER, Damiola F, Pertesi M, Voegeli C, Mebirouk N, Robinet N, Durand G, Forey N, Luben RN, Ahmed S, Aittomaki K, Anton-Culver H, Arndt V, Australian Ovarian Cancer Study Group, Baynes C, Beckman MW, Benitez J, Van Den Berg D, Blot WJ, Bogdanova NV, Bojesen SE, Brenner H, Chang-Claude J, Chia KS, Choi JY, Conroy DM, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Eriksson M, Fasching PA, Figueira J, Flyger H, Fostira F, Garcia-Closas M, Giles GG, Glendon G, Gonzalez-Neira A, Guenel P, Haiman CA, Hall P, Hart SN, Hartman M, Hooning MJ, Hsiung CN, Ito H, Jakubowska A, James PA, John EM, Johnson N, Jones M, Kabisch M, Kang D, kConFab Investigators, Kosma VM, Kristensen V, Lambrechts D, Li N, Lifepool Investigators, Lindblom A, Long J, Lophatananon A, Lubinski J, Man-

nermaa A, Manoukian S, Margolin S, Matsuo K, Meindl A, Mitchell G, Muir K, NBCS Investigators, Nevelsteen I, van den Ouwehand A, Peterlongo P, Phuah SY, Pylkas K, Rowley SM, Sangrajrang S, Schmutzler RK, Shen CY, Shu XO, Southey MC, Surowy H, Swerdlow A, Teo SH, Tollenaar RA, Tomlinson I, Torres D, Truong T, Vachon C, Verhoeft S, Wong-Brown M, Zheng W, Zheng Y, Nevanlinna H, Scott RJ, Andrusik IL, Wu AH, Hopper JL, Couch FJ, Winquist R, Burwinkel B, Sawyer EJ, Schmidt MK, Rudolph A, Dörk T, Brauch H, Hamann U, Neuhausen SL, Milne RL, Fletcher O, Pharoah PD, Campbell IG, Dunning AM, Le Calvez-Kelm F, Goldgar DE, Tavtigian SV, Chenevix-Trench G. No evidence that protein truncating variants in BRIP1 are associated with breast cancer risk: implications for gene panel testing. *J Med Genet* 2016;53(5):298-309

Faden M, Holm M, Allred E, Fichorova R, Dammann O, Leviton A, ELGAN Study Investigators. Antenatal glucocorticoids and neonatal inflammation-associated proteins. *Cytokine* 2016;88:199-208

Fard D, Läer K, Rothamel T, Schürmann P, Arnold M, Cohen M, Vennemann M, Pfeiffer H, Bajanowski T, Pfeifer A, Dörk T, Klantschar M. Candidate gene variants of the immune system and sudden infant death syndrome. *Int J Legal Med* 2016;130(4):1025-1033

Floyd EG, von Versen-Hoync F, Liu J, Chi YY, Fleischmann RR, Baker VL. Collection of pregnancy outcome records following infertility-challenges and possible solutions. *J Assist Reprod Genet* 2016;33(8):993-999

Forbes JF, Sestak I, Howell A, Bonanni B, Bundred N, Levy C, von Minckwitz G, Eiermann W, Neven P, Stierer M, Holcombe C, Coleman RE, Jones L, Ellis I, Cuzick J, IBIS-II investigators. Anastrozole versus tamoxifen for the prevention of locoregional and contralateral breast cancer in postmenopausal women with locally excised ductal carcinoma in situ (IBIS-II DCIS): a double-blind, randomised controlled trial. *Lancet* 2016;387(10021):866-873

Ghousaini M, French JD, Michailidou K, Nord S, Beesley J, Canisus S, Hillman KM, Kaufmann S, Sivakumaran H, Moradi Marjaneh M, Lee JS, Dennis J, Bolla MK, Wang Q, Dicks E, Milne RL, Hopper JL, Southey MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Fletcher O, Johnson N, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Flyger H, Benitez J, Gonzalez-Neira A, Alonso MR, Pita G, Neuhausen SL, Anton-Culver H, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Hamann U, Tessier DC, Vincent D, Nevanlinna H, Khan S, Matsuo K, Ito H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, kConFab/AOCS Investigators, Wu AH, Van Den Berg D, Lambrechts D, Floris G, Chang-Claude J, Rudolph A, Radice P, Barile M, Couch FJ, Hallberg E, Giles GG, Haiman CA, Le Marchand L, Goldberg MS, Teo SH, Yip CH, Borresen-Dale AL, NBCS Collaborators, Zheng W, Cai Q, Winquist R, Pylkas K, Andrusik IL, Devilee P, Tollenaar RA, Garcia-Closas M, Figueiroa J, Hall P, Czene K, Brand JS, Darabi H, Eriksson M, Hooning MJ, Koppert LB, Li J, Shu XO, Zheng Y, Cox A, Cross SS, Shah M, Rhenius V, Choi JY, Kang D, Hartman M, Chia KS, Kabisch M, Torres D, Luccarini C, Conroy DM, Jakubowska A, Lubinski J, Sangrajrang S, Brennan P, Olswold C, Slager S, Shen CY, Hou MF, Swerdlow A, Schoemaker MJ, Simard J, Pharoah PD, Kristensen V, Chenevix-Trench G, Easton DF, Dunning AM, Edwards SL. Evidence that the 5p12 Variant rs10941679 Confers Susceptibility to Estrogen Receptor-Positive Breast Cancer through FGF10 and MRPS30 Regulation. *Am J Hum Genet* 2016;99(4):903-911

Grossman KB, Arya R, Peixoto AB, Akolekar R, Staboulidou I, Nicolaides KH. Maternal and pregnancy characteristics affect plasma fibrin monomer complexes and D-Dimer reference ranges for venous thromboembolism in pregnancy. *Am J Obstet Gynecol* 2016;215(4):466.e1-466.e8

Groten T, Schmitz S, Schippert C, Schleussner E, Hillemanns P, Lehmann T, von Versen-Höynck F. Knowledge and Implementation of the S3 Guideline on Gestational Diabetes among Gynecologists and Diabetologists Four Years after Publication: Results of a Survey of 773 Gynecologists and 76 Diabetologists on their Knowledge of the Guideline on Gestational Diabetes (AWMF 057-008, 2011). *Geburtshilfe Frauenheilkd* 2016;76(7):771-778

Grylka-Bäschlin S, Groß MM. Die OptiBIRTH-Studie: Geburten nach Sectio. *Hebamme* 2016;29(4):226-232

Guo Y, Warren Andersen S, Shu XO, Michailidou K, Bolla MK, Wang Q, Garcia-Closas M, Milne RL, Schmidt MK, Chang-Claude J, Dunning A, Bojesen SE, Ahsan H, Aittomaki K, Andrusik IL, Anton-Culver H, Arndt V, Beckmann MW, Beeghly-Fadiel A, Benitez J, Bogdanova NV, Bonanni B, Borresen-Dale AL, Brand J, Brauch H, Brenner H, Bruning T, Burwinkel B, Casey G, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dörk T, Dumont M, Fasching PA, Figueiroa J, Flesch-Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guenel P, Haiman CA, Hamann U, Hooning MJ, Hopper JL, Jakubowska A, Jasmine F, Jenkins M, John EM, Johnson N, Jones ME, Kabisch M, Kibria M, Knight JA, Koppert LB, Kosma VM, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Luben R, Lubinski J, Malone KE, Mannermaa A, Margolin S, Marme F, McLean C, Meijers-Heijboer H, Meindl A, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perez JI, Perkins B, Peterlongo P, Phillips KA, Pylkas K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Seynaeve C, Shah M, Shrubsole MJ, Southey MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoeft S, Whittemore AS, Winquist R, Zhao H, Zhao S, Hall P, Simard J, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Genetically Predicted Body Mass Index and Breast Cancer Risk: Mendelian Randomization Analyses of Data from 145,000 Women of European Descent. *PLoS Med* 2016;13(8):e1002105

Hamdi Y, Soucy P, Adoue V, Michailidou K, Canisius S, Lemacon A, Droit A, Andrusik IL, Anton-Culver H, Arndt V, Baynes C, Blomqvist C, Bogdanova NV, Bojesen SE, Bolla MK, Bonanni B, Borresen-Dale AL, Brand JS, Brauch H, Brenner H, Broeks A, Burwinkel B, Chang-Claude J, NBCS C, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Dennis J, Devilee P, Dörk T, Dos-Santos-Silva I, Eriksson M, Fasching PA, Figueiroa J, Flyger H, Garcia-Closas M, Giles GG, Goldberg MS, Gonzalez-Neira A, Grenaker-Alnaes G, Guenel P, Haeberle L, Haiman CA, Ha-

mann U, Hallberg E, Hooning MJ, Hopper JL, Jakubowska A, Jones M, Kabisch M, Kataja V, Lambrechts D, Le Marchand L, Lindblom A, Lubinski J, Mannermaa A, Maranian M, Margolin S, Marme F, Milne RL, Neuhausen SL, Nevanlinna H, Neven P, Olswold C, Peto J, Plasencia-Karanfilska D, Pylkas K, Radice P, Rudolph A, Sawyer EJ, Schmidt MK, Shu XO, Southe MC, Swerdlow A, Tollenaar RA, Tomlinson I, Torres D, Truong T, Vachon C, Van Den Ouweland AM, Wang Q, Winquist R, kConFab/Aocs I, Zheng W, Benitez J, Chenevix-Trench G, Dunning AM, Pharoah PD, Kristensen V, Hall P, Easton DF, Pastinen T, Nord S, Simard J. Association of breast cancer risk with genetic variants showing differential allelic expression: Identification of a novel breast cancer susceptibility locus at 4q21. *Oncotarget* 2016;7(49):80140-80163

Hampras SS, Sucheston-Campbell LE, Cannioto R, Chang-Claude J, Modugno F, Dörk T, Hillemanns P, Preus L, Knutson KL, Wallace PK, Hong CC, Friel G, Davis W, Nesline M, Pearce CL, Kelemen LE, Goodman MT, Bandera EV, Terry KL, Schoof N, Eng KH, Clay A, Singh PK, Joseph JM, Aben KK, Anton-Culver H, Antonenkovna N, Baker H, Bean Y, Beckmann MW, Bisogna M, Bjorge L, Bogdanova N, Brinton LA, Brooks-Wilson A, Bruinsma F, Butzow R, Campbell IG, Carty K, Cook LS, Cramer DW, Cybulski C, Dansonka-Mieszkowska A, Dennis J, Despiere E, Dicks E, Doherty JA, du Bois A, Durst M, Easton D, Eccles D, Edwards RP, Ekici AB, Fasching PA, Fridley BL, Gao YT, Gentry-Maharaj A, Giles GG, Glasspool R, Gronwald J, Harrington P, Harter P, Hasmand HN, Hein A, Heitz F, Hildebrandt MA, Hogdall C, Hogdall E, Hosono S, Iversen ES, Jakubowska A, Jensen A, Ji BT, Karlan BY, Kellar M, Kelley JL, Kiemeney LA, Klapdor R, Kolomeyevskaya N, Krakstad C, Kjaer SK, Kruszka B, Kupryjanczyk J, Lambrechts D, Lambrechts S, Le ND, Lee AW, Lele S, Leminen A, Lester J, Levine DA, Liang D, Lissowska J, Liu S, Lu K, Lubinski J, Lundvall L, Massuger LF, Matsuo K, McGuire V, McLaughlin JR, McNeish I, Menon U, Moes-Sosnowska J, Narod SA, Nedergaard L, Nevanlinna H, Nickels S, Olson SH, Orlow I, Weber RP, Paul J, Pejovic T, Pelttari LM, Perkins B, Permuth-Wey J, Pike MC, Plsiecka-Halasa J, Poole EM, Risch HA, Rossing MA, Rothstein JH, Rudolph A, Runnebaum IB, Rzepecka IK, Salvesen HB, Schernhammer E, Schmitt K, Schwaab I, Shu XO, Shvetsov YB, Siddiqui N, Sieh W, Song H, Southe MC, Tangen IL, Teo SH, Thompson PJ, Timorek A, Tsai YY, Tworoger SS, Tyrer J, van Altena AM, Vergote I, Vierkant RA, Walsh C, Wang-Gohrke S, Wentzensen N, Whittemore AS, Wicklund KG, Wilkens LR, Wu AH, Wu X, Woo YL, Yang H, Zheng W, Ziogas A, Gayther SA, Ramus SJ, Sellers TA, Schildkraut JM, Phelan CM, Berchuck A, Chenevix-Trench G, Cunningham JM, Pharoah PP, Ness RB, Odunsi K, Goode EL, Moysich KB. Assessment of variation in immunosuppressive pathway genes reveals TGFBR2 to be associated with risk of clear cell ovarian cancer. *Oncotarget* 2016;7(43):69097-69110

Hanley GE, Munro S, Greyson D, Gross MM, Hundley V, Spiby H, Janssen PA. Diagnosing onset of labor: a systematic review of definitions in the research literature. *BMC Pregnancy Childbirth* 2016;16(1):71

Hass R, Jacobs R, Kaufmann AM, Hillemanns P, Soergel P. Sensitization of immune cells following hexylaminolevulinate photodynamic therapy of cervical intraepithelial neoplasia. *Photodiagnosis Photodyn Ther* 2017;17:82-86

Heinemann AS, Pirr S, Fehlhaber B, Mellinger L, Burgmann J, Busse M, Ginzel M, Friesenhagen J, von Köckritz-Blickwede M, Ulas T, von Kaisenberg CS, Roth J, Vogl T, Viemann D. In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. *FASEB J* 2017;31(3):1153-1164

Hillemanns P, Wimberger P, Reif J, Stepp H, Klapdor R. Photodynamic diagnosis with 5-aminolevulinic acid for intraoperative detection of peritoneal metastases of ovarian cancer: A feasibility and dose finding study. *Lasers Surg Med* 2017;49(2):169-176

Holm M, Austeng D, Fichorova RN, Allred EN, Kuban KC, O'Shea TM, Damann O, Leviton A, ELGAN Study Investigators. Postnatal systemic inflammation and neuro-ophthalmologic dysfunctions in extremely low gestational age children *Acta Paediatr* 2017;106(3):454-457

Holm M, Skranes J, Damann O, Fichorova RN, Allred EN, Leviton A. Systemic endogenous erythropoietin and associated disorders in extremely preterm newborns. *Arch Dis Child Fetal Neonatal Ed* 2016;101(5):F458-F463

Horne HN, Chung CC, Zhang H, Yu K, Prokunina-Olsson L, Michailidou K, Bolla MK, Wang Q, Dennis J, Hopper JL, Southe MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Fletcher O, Johnson N, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Flyger H, Benitez J, Gonzalez-Neira A, Anton-Culver H, Neuhausen SL, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Hamann U, Nevanlinna H, Khan S, Matsuo K, Iwata H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, Chenevix-Trench G, kConFab/AOCS Investigators, Wu AH, Ven den Berg D, Smeets A, Zhao H, Chang-Claude J, Rudolph A, Radice P, Barile M, Couch FJ, Vachon C, Giles GG, Milne RL, Haiman CA, Marchand LL, Goldberg MS, Teo SH, Taib NA, Kristensen V, Borresen-Dale AL, Zheng W, Shrubsole M, Winquist R, Jukkola-Vuorinen A, Andrusis IL, Knight JA, Devilee P, Seynaeve C, Garcia-Closas M, Czene K, Darabi H, Hollestelle A, Martens JW, Li J, Lu W, Shu XO, Cox A, Cross SS, Blot W, Cai Q, Shah M, Luccarini C, Baynes C, Harrington P, Kang D, Choi JY, Hartman M, Chia KS, Kabisch M, Torres D, Jakubowska A, Lubinski J, Sangrajrang S, Brennan P, Slager S, Yannoukakos D, Shen CY, Hou MF, Swerdlow A, Orr N, Simard J, Hall P, Pharoah PD, Easton DF, Chanock SJ, Dunning AM, Figueroa JD. Fine-Mapping of the 1p11.2 Breast Cancer Susceptibility Locus. *PLoS One* 2016;11(8):e0160316

Hussein K, Peter C, Sedlacek L, Kaisenberg CV, Kreipe HH. Nekrotisierende Funikulitis : Histopathologischer Indikator für eine okkulte konnatale Syphilis. *Pathologie* 2016;DOI: 10.1007/s00292-016-0177-5

Jentschke M, Chen K, Arbyn M, Hertel B, Noskowicz M, Soergel P, Hillemanns P. Direct comparison of two vaginal self-sampling devices for the detection of human papillomavirus infections. *J Clin Virol* 2016;82:46-50

Jentschke M, Hillemanns P. Systematic Comparison of Different Meta-analyses, Systematic Reviews and HTA Reports on Cervical Cancer Screening based on Cytology or HPV Test. *Geburtshilfe Frauenheilkd* 2016;76(10):1081-1085

Kar SP, Adler E, Tyrer J, Hazelett D, Anton-Culver H, Bandera EV, Beckmann MW, Berchuck A, Bogdanova N, Brinton L, Butzow R, Campbell I, Carty K, Chang-Claude J, Cook LS, Cramer DW, Cunningham JM, Dansonka-Mieszkowska A, Doherty JA, Dörk T, Durst M, Eccles D, Fasching PA, Flanagan J, Gentry-Maharaj A, Glasspool R, Goode EL, Goodman MT, Gronwald J, Heitz F, Hildebrandt MA, Hogdall E, Hogdall CK, Huntsman DG, Jensen A, Karlan BY, Kiemeney LA, Kjaer SK, Kupryjanczyk J, Lambrechts D, Levine DA, Li Q, Lissowska J, Lu KH, Lubinski J, Massuger LF, McGuire V, McNeish I, Menon U, Modugno F, Monteiro AN, Moysich KB, Ness RB, Nevanlinna H, Paul J, Pearce CL, Pejovic T, Permuth JB, Phelan C, Pike MC, Poole EM, Ramus SJ, Risch HA, Rossing MA, Salvesen HB, Schildkraut JM, Sellers TA, Sherman M, Siddiqui N, Sieh W, Song H, Southey M, Terry KL, Tworoger SS, Walsh C, Wentzensen N, Whittemore AS, Wu AH, Yang H, Zheng W, Ziogas A, Freedman ML, Gayther SA, Pharoah PD, Lawrenson K. Enrichment of putative PAX8 target genes at serous epithelial ovarian cancer susceptibility loci. *Br J Cancer* 2017;116(4):524-535

Kar SP, Beesley J, Amin Al Olama A, Michailidou K, Tyrer J, Kote-Jarai Z, Lawrenson K, Lindstrom S, Ramus SJ, Thompson DJ, ABCTB Investigators, Kibel AS, Dansonka-Mieszkowska A, Michael A, Dieffenbach AK, Gentry-Maharaj A, Whittemore AS, Wolk A, Monteiro A, Peixoto A, Kierzek A, Cox A, Rudolph A, Gonzalez-Neira A, Wu AH, Lindblom A, Swerdlow A, AOCS Study Group & Australian Cancer Study (Ovarian Cancer), APCB BioResource, Ziogas A, Ekici AB, Burwinkel B, Karlan BY, Nordestgaard BG, Blomqvist C, Phelan C, McLean C, Pearce CL, Vachon C, Cybulski C, Slavov C, Stegmaier C, Maier C, Ambrosone CB, Hogdall CK, Teerlink CC, Kang D, Tessier DC, Schaid DJ, Stram DO, Cramer DW, Neal DE, Eccles D, Flesch-Janys D, Edwards DR, Wokozorczyk D, Levine DA, Yannoukakos D, Sawyer EJ, Bandera EV, Poole EM, Goode EL, Khusnutdinova E, Hogdall E, Song F, Bruinsma F, Heitz F, Modugno F, Hamdy FC, Wiklund F, Giles GG, Olsson H, Wildiers H, Ulmer HU, Pandha H, Risch HA, Darabi H, Salvesen HB, Nevanlinna H, Gronberg H, Brenner H, Brauch H, Anton-Culver H, Song H, Lim HY, McNeish I, Campbell I, Vergote I, Gronwald J, Lubinski J, Stanford JL, Benitez J, Doherty JA, Permuth JB, Chang-Claude J, Donovan JL, Dennis J, Schildkraut JM, Schleutker J, Hopper JL, Kupryjanczyk J, Park JY, Figueroa J, Clements JA, Knight JA, Peto J, Cunningham JM, Pow-Sang J, Batra J, Czene K, Lu KH, Herkommer K, Khaw KT, kConFab Investigators, Matsuo K, Muir K, Offitt K, Chen K, Moysich KB, Aittomaki K, Odunsi K, Kiemeney LA, Massuger LF, Fitzgerald LM, Cook LS, Cannon-Albright L, Hooning MJ, Pike MC, Bolla MK, Luedke M, Teixeira MR, Goodman MT, Schmidt MK, Riggan M, Aly M, Rossing MA, Beckmann MW, Moisse M, Sanderson M, Southey MC, Jones M, Lush M, Hildebrandt MA, Hou MF, Schoemaker MJ, Garcia-Closas M, Bogdanova N, Rahman N, NBCS Investigators, Le ND, Orr N, Wentzensen N, Pashayan N, Peterlongo P, Guenel P, Brennan P, Paulo P, Webb PM, Broberg P, Fasching PA, Devilee P, Wang Q, Cai Q, Li Q, Kaneva R, Butzow R, Kopperud RK, Schmutzler RK, Stephenson RA, MacLennan RJ, Hoover RN, Wingquist R, Ness R, Milne RL, Travis RC, Benlloch S, Olson SH, McDonnell SK, Tworoger SS, Maia S, Berndt S, Lee SC, Teo SH, Thibodeau SN, Bojesen SE, Gapstur SM, Kjaer SK, Pejovic T, Tammela TL, GENICA Network, PRACTICAL consortium, Dörk T, Brunning T, Wahlfors T, Key TJ, Edwards TL, Menon U, Hamann U, Mitev V, Kosma VM, Setiawan VW, Kristensen V, Arndt V, Vogel W, Zheng W, Sieh W, Blot WJ, Kluzniak W, Shu XO, Gao YT, Schumacher F, Freedman ML, Berchuck A, Dunning AM, Simard J, Haiman CA, Spurdle A, Sellers TA, Hunter DJ, Henderson BE, Kraft P, Chanock SJ, Couch FJ, Hall P, Gayther SA, Easton DF, Chenevix-Trench G, Eeles R, Pharoah PD, Lambrechts D. Genome-Wide Meta-Analyses of Breast, Ovarian, and Prostate Cancer Association Studies Identify Multiple New Susceptibility Loci Shared by at Least Two Cancer Types. *Cancer Discov* 2016;6(9):1052-1067

Klapdor R, Hertel H, Soergel P, Hillemanns P. Groin Recurrences in Node Negative Vulvar Cancer Patients After Sole Sentinel Lymph Node Dissection. *Int J Gynecol Cancer* 2017;27(1):166-170

Klapdor R, Hertel H, Soergel P, Jentschke M, Hillemanns P. Application of sentinel lymph node dissection in gynecological cancers: results of a survey among German hospitals *Arch Gynecol Obstet* 2017;295(3):713-720

Klapdor R, Hillemanns P, Wölber L, Jückstock J, Hilpert F, de Gregorio N, Iborra S, Sehouli J, Habermann A, Fürst ST, Strauss HG, Baumann K, Thiel F, Mustea A, Meier W, Harter P, Wimberger P, Hanker L, Schmalfeldt B, Canzler U, Fehm T, Luyten A, Hellriegel M, Kosse J, Heiss C, Hantschmann P, Mallmann P, Tanner B, Pfisterer J, Richter B, Jäger M, Mahner S. Outcome After Sentinel Lymph Node Dissection in Vulvar Cancer: A Subgroup Analysis of the AGO-CaRE-1 Study. *Ann Surg Oncol* 2017;24(5):1314-1321

Kohl F, Schippert C, Rios N, Garcia-Rocha GJ, Hillemanns P, Staboulidou I. Spontaneous intramural pregnancy- diagnosis and management- a case report. *Medical Research Archives* 2016;4(2):1-8

Kuehnle E, Herms S, Kohls F, Kundu S, Hillemanns P, Staboulidou I. Correlation of fetal scalp blood sampling pH with neonatal outcome umbilical artery pH value. *Arch Gynecol Obstet* 2016;294(4):763-770

Laakmann E, Witzel I, Scriba V, Grzyska U, Zu Eulenburg C, Burchardi N, Hesse T, Würschmidt F, Fehm T, Möbus V, von Minckwitz G, Loibl S, Park-Simon TW, Mueller V. Radiological Patterns of Brain Metastases in Breast Cancer Patients: A Subproject of the German Brain Metastases in Breast Cancer (BMBC) Registry. *Int J Mol Sci* 2016;17(10):10.3390/ijms17101615

Lawrenson K, Kar S, McCue K, Kuchenbaeker K, Michailidou K, Tyrer J, Beesley J, Ramus SJ, Li Q, Delgado MK, Lee JM, Aittomaki K, Andrusis IL, Anton-Culver H, Arndt V, Arun BK, Arver B, Bandera EV, Barile M, Barkardottir RB, Barrowdale D, Beckmann MW, Benitez J, Berchuck A, Bisogna M, Bjorge L, Blomqvist C, Blot W, Bogdanova N, Bojesen A, Bojesen SE, Bolla MK, Bonanni B, Borresen-Dale AL, Brauch H, Brennan P, Brenner H, Bruinsma F, Brunet J, Buhari SA, Burwinkel B, Butzow R, Buys SS, Cai Q, Caldes T, Campbell I, Canniotto R, Chang-Claude J, Chiquette J, Choi JY, Claes KB, GEMO Study Collaborators, Cook LS, Cox A, Cramer DW, Cross SS, Cybulski C, Czene K, Daly MB, Damiola F, Dansonka-Mieszkowska A, Darabi H, Dennis J, Devilee P, Diez O, Doherty JA, Domchek SM, Dorfling CM, Dörk T, Dumont M, Ehrencrona H, Ejlersen B, Ellis S, EMBRACE, Engel C, Lee E, Evans DG, Fasching PA, Feliubadaló L, Figueroa J, Flesch-Janys D, Fletcher O, Flyger H, Foretova L, Fostira F, Foulkes WD, Fridley BL, Friedman E, Frost D, Gambino G, Ganz PA, Garber J, Garcia-Closas M, Gentry-Maharaj A, Ghoussaini M, Giles GG, Glasspool R, Godwin AK, Goldberg MS, Goldgar DE, Gonzalez-Neira A, Goode EL, Goodman MT, Greene MH, Gronwald J, Guenel P, Haiman CA, Hall P, Hallberg E, Hamann U, Hansen TV, Harrington PA, Hartman M, Hassan N, Healey S, Hereditary Breast and Ovarian Cancer Research Group Netherlands (HEBON), Heitz F, Herzog J, Hogdall E, Hogdall CK, Hogervorst FB, Hollestelle A, Hopper JL, Hulick PJ, Huzarski T, Imyanitov EN, KConFab Investigators, Australian Ovarian Cancer Study Group, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jensen A, John EM, Johnson N, Kabisch M, Kang D, Kapuscinski M, Karlan BY, Khan S, Kiemeney LA, Kjaer SK, Knight JA, Konstantopoulou I, Kosma VM, Kristensen V, Kupryjanczyk J, Kwong A, de la Hoya M, Laitman Y, Lambrechts D, Le N, De Leeneer K, Lester J, Levine DA, Li J, Lindblom A, Long J, Lophatananon A, Loud JT, Lu K, Lubinski J, Mannermaa A, Manoukian S, Le Marchand L, Margolin S, Marme F, Massuger LF, Matsuo K, Mazoyer S, McGuffog L, McLean C, McNeish I, Meindl A, Menon U, Mensenkamp AR, Milne RL, Montagna M, Moysich KB, Muir K, Mulligan AM, Nathanson KL, Ness RB, Neuhausen SL, Nevanlinna H, Nord S, Nussbaum RL, Odunsi K, Offit K, Olah E, Olopade OI, Olson JE, Olszwold C, O'Malley D, Orlow I, Orr N, Osorio A, Park SK, Pearce CL, Pejovic T, Peterlongo P, Pfeiler G, Phelan CM, Poole EM, Pylkas K, Radice P, Rantala J, Rashid MU, Rennert G, Rhenius V, Rhiem K, Risch HA, Rodriguez G, Rossing MA, Rudolph A, Salvesen HB, Sangrajrang S, Sawyer EJ, Schildkraut JM, Schmidt MK, Schmutzler RK, Sellers TA, Seynaeve C, Shah M, Shen CY, Shu XO, Sieh W, Singer CF, Sinilnikova OM, Slager S, Song H, Soucy P, Southey MC, Stenmark-Askmalm M, Stoppa-Lyonnet D, Sutter C, Swerdlow A, Tchatchou S, Teixeira MR, Teo SH, Terry KL, Terry MB, Thomassen M, Tibiletti MG, Tihomirova L, Tognazzo S, Toland AE, Tomlinson I, Torres D, Truong T, Tseng CC, Tung N, Tworoger SS, Vachon C, van den Ouweland AM, van Doorn HC, van Rensburg EJ, Van't Veer LJ, Vanderstichele A, Vergote I, Vijai J, Wang Q, Wang-Gohrke S, Weitzel JN, Wentzensen N, Whittemore AS, Wildiers H, Winquist R, Wu AH, Yannoukakos D, Yoon SY, Yu JC, Zheng W, Zheng Y, Khanna KK, Simard J, Monteiro AN, French JD, Couch FJ, Freedman ML, Easton DF, Dunning AM, Pharoah PD, Edwards SL, Chenevix-Trench G, Antoniou AC, Gayther SA. Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus. *Nat Commun* 2016;7:12675

Liu J, Loncar I, Collee JM, Bolla MK, Dennis J, Michailidou K, Wang Q, Andrusis IL, Barile M, Beckmann MW, Behrens S, Benitez J, Blomqvist C, Boeckx B, Bogdanova NV, Bojesen SE, Brauch H, Brennan P, Brenner H, Broeks A, Burwinkel B, Chang-Claude J, Chen ST, Chenevix-Trench G, Cheng CY, Choi JY, Couch FJ, Cox A, Cross SS, Cuk K, Czene K, Dörk T, Dos-Santos-Silva I, Fasching PA, Figueroa J, Flyger H, Garcia-Closas M, Giles GG, Glendon G, Goldberg MS, Gonzalez-Neira A, Guenel P, Haiman CA, Hamann U, Hart SN, Hartman M, Hatse S, Hopper JL, Ito H, Jakubowska A, Kabisch M, Kang D, Kosma VM, Kristensen VN, Le Marchand L, Lee E, Li J, Lophatananon A, Jan L, Mannermaa A, Matsuo K, Milne RL, NBCS Collaborators, Neuhausen SL, Nevanlinna H, Orr N, Perez JI, Peto J, Putti TC, Pylkas K, Radice P, Sangrajrang S, Sawyer EJ, Schmidt MK, Schneeweiss A, Shen CY, Shrubsall MJ, Shu XO, Simard J, Southey MC, Swerdlow A, Teo SH, Tessier DC, Thanassisithichai S, Tomlinson I, Torres D, Truong T, Tseng CC, Vachon C, Winquist R, Wu AH, Yannoukakos D, Zheng W, Hall P, Dunning AM, Easton DF, Hooring MJ, van den Ouweland AM, Martens JW, Hollestelle A. rs2735383, located at a microRNA binding site in the 3'UTR of NBS1, is not associated with breast cancer risk. *Sci Rep* 2016;6:36874

Lundgren I, Healy P, Carroll M, Begley C, Matterne A, Gross MM, Grylka-Baeschnlin S, Nicoletti J, Morano S, Nilsson C, Lalor J. Clinicians' views of factors of importance for improving the rate of VBAC (vaginal birth after caesarean section): a study from countries with low VBAC rates. *BMC Pregnancy Childbirth* 2016;16(1):350

Maleva Kostovska I, Wang J, Bogdanova N, Schürmann P, Bhuju S, Geffers R, Dürst M, Liebrich C, Klapdor R, Christiansen H, Park-Simon TW, Hillemanns P, Plaseska-Karanfilska D, Dörk T. Rare ATAD5 missense variants in breast and ovarian cancer patients. *Cancer Lett* 2016;376(1):173-177

Meissner C, Schippert C, von Versen-Höynck F. Awareness, knowledge, and perceptions of infertility, fertility assessment, and assisted reproductive technologies in the era of oocyte freezing among female and male university students. *J Assist Reprod Genet* 2016;33(6):719-729

Mikolajczyk RT, Zhang J, Grewal J, Chan LC, Petersen A, Gross MM. Early versus Late Admission to Labor Affects Labor Progression and Risk of Cesarean Section in Nulliparous Women. *Front Med (Lausanne)* 2016;3:26

Müller K, Soergel P, Hillemanns P, Jentschke M. Accuracy of Colposcopically Guided Diagnostic Methods for the Detection of Cervical Intraepithelial Neoplasia. *Geburtshilfe Frauenheilkd* 2016;76(2):182-187

Muranen TA, Blomqvist C, Dörk T, Jakubowska A, Heikkila P, Fagerholm R, Greco D, Aittomaki K, Bojesen SE, Shah M, Dunning AM, Rhenius V, Hall P, Czene K, Brand JS, Darabi H, Chang-Claude J, Rudolph A, Nordestgaard BG, Couch FJ, Hart SN, Figueroa J, Garcia-Closas M, Fasching PA, Beckmann MW, Li J, Liu J, Andrusis IL, Winquist R, Pylkas K, Mannermaa A, Kataja V, Lindblom A, Margolin S, Lubinski J, Dubrowinska N, Bolla MK, Dennis J, Michailidou K, Wang Q, Easton DF, Pharoah PD, Schmidt MK, Nevanlinna H. Patient survival and tumor characteristics associated with CHEK2:p.I157T - findings from the Breast Cancer Association Consortium. *Breast Cancer Res* 2016;18(1):98

Muranen TA, Greco D, Blomqvist C, Aittomaki K, Khan S, Hogervorst F, Verhoef S, Pharoah PD, Dunning AM, Shah M, Luben R, Bojesen SE, Nordestgaard BG, Schoemaker M, Swerdlow A, Garcia-Closas M, Figueira J, Dörk T, Bogdanova NV, Hall P, Li J, Khusnutdinova E, Bermisheva M, Kristensen V, Borresen-Dale AL, Investigators N, Peto J, Dos Santos Silva I, Couch FJ, Olson JE, Hillemans P, Park-Simon TW, Brauch H, Hamann U, Burwinkel B, Marmer A, Meindl A, Schmutzler RK, Cox A, Cross SS, Sawyer EJ, Tomlinson I, Lambrechts D, Moisse M, Lindblom A, Margolin S, Hollestelle A, Martens JW, Fasching PA, Beckmann MW, Andrusik IL, Knight JA, Investigators K, Anton-Culver H, Ziegas A, Giles GG, Milne RL, Brenner H, Arndt V, Mannermaa A, Kosma VM, Chang-Claude J, Rudolph A, Devilee P, Seynaeve C, Hopper JL, Southey MC, John EM, Whittemore AS, Bolla MK, Wang Q, Michailidou K, Dennis J, Easton DF, Schmidt MK, Nevanlinna H. Genetic modifiers of CHEK2\*1100delC-associated breast cancer risk. *Genet Med* 2017;19(5):599-603

Nonhoff J, Ricke-Hoch M, Mueller M, Stapel B, Pfeffer T, Kasten M, Scherr M, von Kaisenberg C, Bauersachs J, Haghikia A, Hilfiker-Kleinert D. Serelaxin treatment promotes adaptive hypertrophy but does not prevent heart failure in experimental peripartum cardiomyopathy. *Cardiovasc Res* 2017;DOI: 10.1093/cvr/cvw245

Ong JS, Cuellar-Partida G, Lu Y, Ovarian Cancer Study A, Fasching PA, Hein A, Burghaus S, Beckmann MW, Lambrechts D, Van Nieuwewenhuyse E, Vergote I, Vanderstichele A, Anne Doherty J, Anne Rossing M, Chang-Claude J, Eilber U, Rudolph A, Wang-Gohrke S, Goodman MT, Bogdanova N, Dörk T, Durst M, Hillemans P, Runnebaum IB, Antonenkova N, Butzow R, Leminen A, Nevanlinna H, Pelttari LM, Edwards RP, Kelley JL, Modugno F, Moysich KB, Ness RB, Cannioto R, Hogdall E, Hogdall CK, Jensen A, Giles GG, Bruinsma F, Kjaer SK, Hildebrandt MA, Liang D, Lu KH, Wu X, Bisogna M, Dao F, Levine DA, Cramer DW, Terry KL, Tworoger SS, Stampfer M, Missmer S, Bjorge L, Salvesen HB, Kopperud RK, Bischoff K, Aben KK, Kiemeney LA, Massuger LF, Brooks-Wilson A, Olson SH, McGuire V, Rothstein JH, Sieh W, Whittemore AS, Cook LS, Le ND, Blake Gilks C, Gronwald J, Jakubowska A, Lubinski J, Kluz T, Song H, Tyrer JP, Wentzensen N, Brinton L, Trabert B, Lissowska J, McLaughlin JR, Narod SA, Phelan C, Anton-Culver H, Ziegas A, Eccles D, Campbell I, Gayther SA, Gentry-Maharaj A, Menon U, Ramus SJ, Wu AH, Dansonka-Mieszkowska A, Kupryjanczyk J, Timorek A, Szafron L, Cunningham JM, Fridley BL, Winham SJ, Bandera EV, Poole EM, Morgan TK, Risch HA, Goode EL, Schildkraut JM, Pearce CL, Berchuck A, Pharoah PD, Chenevix-Trench G, Ghahrekhani P, Neale RE, Webb PM, MacGregor S. Association of vitamin D levels and risk of ovarian cancer: a Mendelian randomization study. *Int J Epidemiol* 2016;45(5):1619-1630

Otte A, Yang Y, von der Ohe J, Melzer C, Hillemans P, Feuerhake F, Hass R. SCCOHT tumors acquire chemoresistance and protection by interacting mesenchymal stroma/stem cells within the tumor microenvironment. *Int J Oncol* 2016;49(6):2453-2463

Painter JN, O'Mara TA, Marquart L, Webb PM, Attia J, Medland SE, Cheng T, Dennis J, Holliday EG, McEvoy M, Scott RJ, Ahmed S, Healey CS, Shah M, Gorman M, Martin L, Hodgson SV, Beckmann MW, Ekici AB, Fasching PA, Hein A, Rubner M, Czene K, Darabi H, Hall P, Li J, Dörk T, Durst M, Hillemans P, Runnebaum IB, Amant F, Annibaldi D, Depreeuw J, Lambrechts D, Neven P, Cunningham JM, Dowdy SC, Goode EL, Fridley BL, Winham SJ, Njolstad TS, Salvesen HB, Trovik J, Werner HM, Ashton KA, Otton G, Projeto A, Mints M, Tham E, Bolla MK, Michailidou K, Wang Q, Tyrer JP, Hopper JL, Peto J, Swerdlow AJ, Burwinkel B, Brenner H, Meindl A, Brauch H, Lindblom A, Chang-Claude J, Couch FJ, Giles GG, Kristensen VN, Cox A, Pharoah PD, Tomlinson I, Dunning AM, Easton DF, Thompson DJ, Spurdle AB. Genetic risk score Mendelian randomization shows that obesity measured as body mass index, but not waist:hip ratio, is causal for endometrial cancer. *Cancer Epidemiol Biomarkers Prev* 2016;25(11):1503-1510

Pelttari LM, Khan S, Vuorela M, Kiiski JI, Vilske S, Nevanlinna V, Ranta S, Schleutker J, Winquist R, Kallioniemi A, Dörk T, Bogdanova NV, Figueira J, Pharoah PD, Schmidt MK, Dunning AM, Garcia-Closas M, Bolla MK, Dennis J, Michailidou K, Wang Q, Hopper JL, Southey MC, Rosenberg EH, Fasching PA, Beckmann MW, Peto J, Dos-Santos-Silva I, Sawyer EJ, Tomlinson I, Burwinkel B, Surowy H, Guenel P, Truong T, Bojesen SE, Nordestgaard BG, Benitez J, Gonzalez-Neira A, Neuhausen SL, Anton-Culver H, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Bruning T, Lindblom A, Margolin S, Mannermaa A, Hartikainen JM, Chenevix-Trench G, kConFab/AOCS Investigators, Van Dyck L, Janssen H, Chang-Claude J, Rudolph A, Radice P, Peterlongo P, Hallberg E, Olson JE, Giles GG, Milne RL, Haiman CA, Schumacher F, Simard J, Dumont M, Kristensen V, Borresen-Dale AL, Zheng W, Beeghly-Fadiel A, Grip M, Andrusik IL, Glendon G, Devilee P, Seynaeve C, Hooning MJ, Collee M, Cox A, Cross SS, Shah M, Luben RN, Hamann U, Torres D, Jakubowska A, Lubinski J, Couch FJ, Yannoukakos D, Orr N, Swerdlow A, Darabi H, Li J, Czene K, Hall P, Easton DF, Mattson J, Blomqvist C, Aittomaki K, Nevanlinna H. RAD51B in Familial Breast Cancer. *PLoS One* 2016;11(5):e0153788

Permuth JB, Reid B, Earp M, Chen YA, Monteiro AN, Chen Z, Aocs Study G, Chenevix-Trench G, Fasching PA, Beckmann MW, Lambrechts D, Vanderstichele A, Van Nieuwenhuysse E, Vergote I, Rossing MA, Doherty JA, Chang-Claude J, Moysich K, Odunsi K, Goodman MT, Shvetsov YB, Wilkens LR, Thompson PJ, Dörk T, Bogdanova N, Butzow R, Nevanlinna H, Pelttari L, Leminen A, Modugno F, Edwards RP, Ness RB, Kelley J, Heitz F, Karlan B, Lester J, Kjaer SK, Jensen A, Giles G, Hildebrandt M, Liang D, Lu KH, Wu X, Levine DA, Bisogna M, Berchuck A, Cramer DW, Terry KL, Tworoger SS, Poole EM, Bandera EV, Fridley B, Cunningham JM, Winham SJ, Olson SH, Orlow I, Bjorge L, Kiemeney LA, Massuger L, Pejovic T, Moffitt M, Le N, Cook LS, Brooks-Wilson A, Kelemen LE, Gronwald J, Lubinski J, Wentzensen N, Brinton LA, Lissowska J, Yang H, Hogdall E, Hogdall C, Lundvall L, Pharoah PD, Song H, Campbell I, Eccles D, McNeish I, Whittemore A, McGuire V, Sieh W, Rothstein J, Phelan CM, Risch H, Narod S, McLaughlin J, Anton-Culver H, Ziegas A, Menon U, Gayther S, Ramus SJ, Gentry-Maharaj A, Pearce CL, Wu AH, Kupryjanczyk J, Dansonka-Mieszkowska A, Schildkraut JM, Cheng JQ, Goode EL, Sellers TA. Inherited variants affecting RNA editing may contribute to ovarian cancer susceptibility: results from a large-scale collaboration. *Oncotarget* 2016;7(45):72381-72394

Petridis C, Brook MN, Shah V, Kohut K, Gorman P, Caneppele M, Levi D, Papouli E, Orr N, Cox A, Cross SS, Dos-Santos-Silva I, Peto J, Swerdlow A, Schoemaker MJ, Bolla MK, Wang Q, Dennis J, Michailidou K, Benitez J, Gonzalez-Neira A, Tessier DC, Vincent D, Li J, Figueira J, Kristensen V, Borresen-Dale AL, Soucy P, Simard J, Milne RL, Giles GG, Margolin S, Lindblom A, Bruning T, Brauch H, Southey

MC, Hopper JL, Dörk T, Bogdanova NV, Kabisch M, Hamann U, Schmutzler RK, Meindl A, Brenner H, Arndt V, Winqvist R, Pylkas K, Fasching PA, Beckmann MW, Lubinski J, Jakubowska A, Mulligan AM, Andrusilis IL, Tollenaar RA, Devilee P, Le Marchand L, Haiman CA, Mannermaa A, Kosma VM, Radice P, Peterlongo P, Marme F, Burwinkel B, van Deurzen CH, Hollestelle A, Miller N, Kerin MJ, Lambrechts D, Floris G, Wesseling J, Flyger H, Bojesen SE, Yao S, Ambrosone CB, Chenevix-Trench G, Truong T, Guenel P, Rudolph A, Chang-Claude J, Nevanlinna H, Blomqvist C, Czene K, Brand JS, Olson JE, Couch FJ, Dunning AM, Hall P, Easton DF, Pharoah PD, Pinder SE, Schmidt MK, Tomlinson I, Roylance R, Garcia-Closas M, Sawyer EJ. Genetic predisposition to ductal carcinoma in situ of the breast. *Breast Cancer Res* 2016;18(1):22

Rempen A, Chaoui R, Häusler M, Kagan KO, Kozlowski P, von Kaisenberg C, Wisser J. Qualitätsanforderungen an die Ultraschalluntersuchung in der Frühchwangerschaft (DEGUM-Stufe I) zwischen 4+0 und 13+6 Schwangerschaftswochen - Empfehlung der DEGUM-Stufe III der Sektion Gynäkologie und Geburtshilfe der Deutschen Gesellschaft für Ultraschall in der Medizin. *Ultraschall Med* 2016;37(6):579-583

Rios N, Adaskina N, Frömke C, Papendorf F, Schippert C, Koch A, Hillemanns P, Park-Simon TW. The Benefit of Baseline Staging-Risk Assessment of Distant Breast Cancer Metastases by Tumor Stage. *Anticancer Res* 2016;36(9):4909-4914

Sandvoss M, Potthast AB, von Versen-Höynck F, Das AM. HELLP Syndrome: Altered Hypoxic Response of the Fatty Acid Oxidation Regulator SIRT 4. *Reprod Sci* 2017;24(4):568-574

Schmidt JJ, Ramazan L, Bockemeyer C, Günter HH, Martens-Lobenhoffer J, Ganzenmüller T, Bode-Böger SM, Kielstein JT. Acute interstitial nephritis due to flecainide therapy in the 38(th) week of pregnancy. *BMC Nephrol* 2016;17:28

Schmidt MK, Hogervorst F, van Hien R, Cornelissen S, Broeks A, Adank MA, Meijers H, Waisfisz Q, Hollestelle A, Schutte M, van den Ouwehand A, Hooning M, Andrusilis IL, Anton-Culver H, Antonenkova NN, Antoniou AC, Arndt V, Bermisheva M, Bogdanova NV, Bolla MK, Brauch H, Brenner H, Bruning T, Burwinkel B, Chang-Claude J, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Dunning AM, Fasching PA, Figueiroa J, Fletcher O, Flyger H, Galle E, Garcia-Closas M, Giles GG, Haeberle L, Hall P, Hillemanns P, Hopper JL, Jakubowska A, John EM, Jones M, Khusnutdinova E, Knight JA, Kosma VM, Kristensen V, Lee A, Lindblom A, Lubinski J, Mannermaa A, Margolin S, Meindl A, Milne RL, Muranen TA, Newcomb PA, Offit K, Park-Simon TW, Peto J, Pharoah PD, Robson M, Rudolph A, Sawyer EJ, Schmutzler RK, Seynaeve C, Soens J, Southey MC, Spurdle AB, Surowy H, Swerdlow A, Tollenaar RA, Tomlinson I, Trentham-Dietz A, Vachon C, Wang Q, Whittemore AS, Ziogas A, van der Kolk L, Nevanlinna H, Dörk T, Bojesen S, Easton DF. Age- and Tumor Subtype-Specific Breast Cancer Risk Estimates for CHEK2\*1100delC Carriers. *J Clin Oncol* 2016;34(23):2750-2760

Schmitz S, Groten T, Schleussner E, Battefeld W, Hillemanns P, Schippert C, von Versen-Höynck F. Gestational diabetes mellitus: an evaluation of gynecologists' knowledge of guidelines and counseling behavior. *Arch Gynecol Obstet* 2016;294(6):1209-1217

Schwarz C, Gross MM, Heusser P, Berger B. Womens perceptions of induction of labour outcomes: Results of an online-survey in Germany. *Midwifery* 2016;35:3-10

Selich A, Daudert J, Hass R, Philipp F, von Kaisenberg C, Paul G, Cornils K, Fehse B, Rittinghausen S, Schambach A, Rothe M. Massive Clonal Selection and Transiently Contributing Clones During Expansion of Mesenchymal Stem Cell Cultures Revealed by Lentiviral RGB-Barcode Technology. *Stem Cells Transl Med* 2016;5(5):591-601

Shi J, Zhang Y, Zheng W, Michailidou K, Ghousaini M, Bolla MK, Wang Q, Dennis J, Lush M, Milne RL, Shu XO, Beesley J, Kar S, Andrusilis IL, Anton-Culver H, Arndt V, Beckmann MW, Zhao Z, Guo X, Benitez J, Beeghly-Fadiel A, Blot W, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Brinton L, Broeks A, Bruning T, Burwinkel B, Cai H, Canisius S, Chang-Claude J, Choi JY, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Droit A, Dörk T, Fasching PA, Fletcher O, Flyger H, Fostira F, Gaborieau V, Garcia-Closas M, Giles GG, Grip M, Guenel P, Haiman CA, Hamann U, Hartman M, Miao H, Hollestelle A, Hopper JL, Hsiung CN, Investigators K, Ito H, Jakubowska A, Johnson N, Torres D, Kabisch M, Kang D, Khan S, Knight JA, Kosma VM, Lambrechts D, Li J, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, Manoukian S, Le Marchand L, Margolin S, Marme F, Matsuo K, McLean C, Meindl A, Muir K, Neuhausen SL, Nevanlinna H, Nord S, Borresen-Dale AL, Olson JE, Orr N, van den Ouwehand AM, Peterlongo P, Choudary Putti T, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Shen CY, Hou MF, Shrubsole MJ, Southey MC, Swerdlow A, Hwang Teo S, Thienpont B, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tseng CC, Wen W, Winqvist R, Wu AH, Har Yip C, Zamora PM, Zheng Y, Floris G, Cheng CY, Hooning MJ, Martens JW, Seynaeve C, Kristensen VN, Hall P, Pharoah PD, Simard J, Chenevix-Trench G, Dunning AM, Antoniou AC, Easton DF, Cai Q, Long J. Fine-scale mapping of 8q24 locus identifies multiple independent risk variants for breast cancer. *Int J Cancer* 2016;139(6):1303-1317

Southey MC, Goldgar DE, Winqvist R, Pylkas K, Couch F, Tischkowitz M, Foulkes WD, Dennis J, Michailidou K, van Rensburg EJ, Heikkinen T, Nevanlinna H, Hopper JL, Dörk T, Claes KB, Reis-Filho J, Teo ZL, Radice P, Catucci I, Peterlongo P, Tsimiklis H, Odefrey FA, Dowty JG, Schmidt MK, Broeks A, Hogervorst FB, Verhoef S, Carpenter J, Clarke C, Scott RJ, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Peto J, Dos-Santos-Silva I, Fletcher O, Johnson N, Bolla MK, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Marme F, Burwinkel B, Yang R, Guenel P, Truong T, Menegaux F, Sanchez M, Bojesen S, Nielsen SF, Flyger H, Benitez J, Zamora MP, Perez JL, Menendez P, Anton-Culver H, Neuhausen S, Ziogas A, Clarke CA, Brenner H, Arndt V, Stegmaier C, Brauch H, Bruning T, Ko YD, Muranen TA, Aittomaki K, Blomqvist C, Bogdanova NV, Antonenkova NN, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Spurdle AB, Investigators

K, Australian Ovarian Cancer Study Group, Wauters E, Smeets D, Beuselinck B, Floris G, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Olson JE, Vachon C, Pankratz VS, McLean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Kristensen V, Alnaes GG, Zheng W, Hunter DJ, Lindstrom S, Hankinson SE, Kraft P, Andrulis I, Knight JA, Glendon G, Mulligan AM, Jukkola-Vuorinen A, Grip M, Kauppila S, Devilee P, Tollenaar RA, Seynaeve C, Hollestelle A, Garcia-Closas M, Figueroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson M, Eccles DM, Rafiq S, Tapper WJ, Gerty SM, Hoening MJ, Martens JW, Collee JM, Tilanus-Linthorst M, Hall P, Li J, Brand JS, Humphreys K, Cox A, Reed MW, Luccarini C, Baynes C, Dunning AM, Hamann U, Torres D, Ulmer HU, Rudiger T, Jakubowska A, Lubinski J, Jaworska K, Durda K, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Swerdlow A, Ashworth A, Orr N, Jones M, Gonzalez-Neira A, Pita G, Alonso MR, Alvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Simard J, Dumont M, Soucy P, Eeles R, Muir K, Wiklund F, Gronberg H, Schleutker J, Nordestgaard BG, Weischer M, Travis RC, Neal D, Donovan JL, Hamdy FC, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Schaid DJ, Kelley JL, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Butterbach K, Park J, Kaneva R, Batra J, Teixeira MR, Kote-Jarai Z, Olama AA, Benlloch S, Renner SP, Hartmann A, Hein A, Ruebner M, Lambrechts D, Van Nieuwenhuysen E, Vergote I, Lambrechts S, Doherty JA, Rossing MA, Nickels S, Eilber U, Wang-Gohrke S, Odunsi K, Sucheston-Campbell LE, Friel G, Lurie G, Killeen JL, Wilkens LR, Goodman MT, Runnebaum I, Hillemanns PA, Pelttari LM, Butzow R, Modugno F, Edwards RP, Ness RB, Moysich KB, du Bois A, Heitz F, Harter P, Kommooss S, Karlan BY, Walsh C, Lester J, Jensen A, Kjaer SK, Hogdall E, Peissel B, Bonanni B, Bernard L, Goode EL, Fridley BL, Vierkant RA, Cunningham JM, Larson MC, Fogarty ZC, Kalli KR, Liang D, Lu KH, Hildebrandt MA, Wu X, Levine DA, Dao F, Bisogna M, Berchuck A, Iversen ES, Marks JR, Akushevich L, Cramer DW, Schildkraut J, Terry KL, Poole EM, Stampfer M, Tworoger SS, Bandera EV, Orlow I, Olson SH, Bjorge L, Salvesen HB, van Altena AM, Aben KK, Kiemeney LA, Massuger LF, Pejovic T, Bean Y, Brooks-Wilson A, Kelemen LE, Cook LS, Le ND, Gorski B, Gronwald J, Menkiszak J, Hogdall CK, Lundvall L, Nedergaard L, Engelholm SA, Dicks E, Tyrer J, Campbell I, McNeish I, Paul J, Siddiqui N, Glasspool R, Whittemore AS, Rothstein JH, McGuire V, Sieh W, Cai H, Shu XO, Teten RT, Sutphen R, McLaughlin JR, Narod SA, Phelan CM, Monteiro AN, Fenstermacher D, Lin HY, Permuth JB, Sellers TA, Chen YA, Tsai YY, Chen Z, Gentry-Maharaj A, Gayther SA, Ramus SJ, Menon U, Wu AH, Pearce CL, Van Den Berg D, Pike MC, Dansonka-Mieszkowska A, Plisiecka-Halasa J, Moes-Sosnowska J, Kupryjanczyk J, Pharoah PD, Song H, Winship I, Chenevix-Trench G, Giles GG, Tavtigian SV, Easton DF, Milne RL. PALB2, CHEK2 and ATM rare variants and cancer risk: data from COGS. *J Med Genet* 2016;53(12):800-811

Stoll K, Hauck Y, Downe S, Edmonds J, Gross MM, Malott A, McNiven P, Swift E, Thomson G, Hall WA. Cross-cultural development and psychometric evaluation of a measure to assess fear of childbirth prior to pregnancy. *Sex Reprod Healthc* 2016;8:49-54

Sucheston-Campbell LE, Cannioto R, Clay AI, Etter JL, Eng KH, Liu S, Battaglia S, Hu Q, Szender JB, Minlikeeva A, Joseph J, Mayor P, Abrams SI, Segal B, Wallace PK, Soh KT, Zsiros EZ, Anton-Culver H, Bandera EV, Beckmann MW, Berchuck A, Bjorge L, Bruegl A, Campbell IG, Campbell SP, Chenevix-Trench G, Cramer D, Dansonka-Mieszkowska A, Dao F, Diergaardt B, Doerk T, Doherty JA, du Bois A, Eccles D, Engelholm SA, Fasching PA, Gayther SA, Gentry-Maharaj A, Glasspool RM, Goodman MT, Gronwald J, Harter P, Hein A, Heitz F, Hillemanns P, Hogdall C, Hogdall EV, Huzarski T, Jensen A, Johnatty SE, Jung A, Karlan B, Klapdor R, Kluz T, Konopka B, Kruger Kjaer S, Kupryjanczyk J, Lambrechts D, Lester J, Lubinski J, Levine DA, Lundvall L, McGuire V, McNeish IA, Menon U, Modugno F, Ness RB, Orsulic S, Paul J, Pearce CL, Pejovic T, Pharoah P, Ramus SJ, Rothstein J, Rossing MA, Rubner M, Schildkraut JM, Schmalfeldt B, Schwaab I, Siddiqui N, Sieh W, Sobczewski P, Song H, Terry KL, Van Nieuwenhuysen E, Vanderstichele A, Vergote I, Walsh CS, Webb PM, Wentzensen N, Whittemore AS, Wu AH, Ziegas A, Odunsi K, Chang-Claude J, Goode EL, Moysich KB. No evidence that genetic variation in the myeloid-derived suppressor cell pathway influences ovarian cancer survival. *Cancer Epidemiol Biomarkers Prev* 2017;26(3):420-424

von Kaisenberg C, Chaoui R, Häusler M, Kagan KO, Kozlowski P, Merz E, Rempen A, Steiner H, Tercanli S, Wisser J, Heling KS. Qualitätsanforderungen an die weiterführende differenzierte Ultraschalluntersuchung in der pränatalen Diagnostik (DEGUM-Stufen II und III) im Zeitraum 11-13+6 Schwangerschaftswochen. *Ultraschall Med* 2016;37(3):297-302

White AL, Min TH, Gross MM, Kajeechiwa L, Thwin MM, Hanboonkunupakarn B, Than HH, Zin TW, Rijken MJ, Hoogenboom G, McGready R. Accelerated Training of Skilled Birth Attendants in a Marginalized Population on the Thai-Myanmar Border: A Multiple Methods Program Evaluation. *PLoS One* 2016;11(10):e0164363

Woelber L, Griebel LF, Eulenburg C, Sehouli J, Jueckstock J, Hilpert F, de Gregorio N, Hasenburg A, Ignatov A, Hillemanns P, Fuerst S, Strauss HG, Baumann KH, Thiel FC, Mustea A, Meier W, Harter P, Wimberger P, Hunker LC, Schmalfeldt B, Canzler U, Fehm T, Luyten A, Hellriegel M, Kosse J, Heiss C, Hantschmann P, Mallmann P, Tanner B, Pfisterer J, Richter B, Neuser P, Mahner S. Role of tumour-free margin distance for loco-regional control in vulvar cancer-a subset analysis of the Arbeitsgemeinschaft Gynakologische Onkologie CaRE-1 multicenter study. *Eur J Cancer* 2016;69:180-188

Wojcieszek AM, Boyle FM, Belizan JM, Cassidy J, Cassidy P, Erwich J, Farrales L, Gross MM, Heazell A, Leisher SH, Mills T, Murphy M, Pettersson K, Ravaldi C, Ruidiaz J, Siassakos D, Silver RM, Storey C, Vannacci A, Middleton P, Ellwood D, Flenady V. Care in subsequent pregnancies following stillbirth: an international survey of parents. *BJOG* 2016;DOI: 10.1111/1471-0528.14424

Wyszynski A, Hong CC, Lam K, Michailidou K, Lytle C, Yao S, Zhang Y, Bolla MK, Wang Q, Dennis J, Hopper JL, Southey MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Peto J, Dos-Santos-Silva I, Sawyer EJ, Tomlinson I, Burwinkel B, Marmer F, Guenel P, Truong T, Bojesen SE, Nordestgaard BG, Gonzalez-Neira A, Benitez J, Neuhausen SL, Brenner H, Dieffenbach AK, Meindl A, Schmutzler RK, Brauch H, GENICA Network, Nevanlinna H, Khan S, Matsuo K, Ito H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, kConFab Investigators, Australian Ovarian Cancer Study Group, Wu AH, Van Den Berg D, Lambrechts D, Wildiers H, Chang-Claude J, Rudolph A, Radice P, Peterlongo P, Couch FJ, Olson JE, Giles GG, Milne RL, Haiman CA, Henderson BE, Dumont M, Teo SH, Wong TY, Kristensen V, Zheng W, Long J, Winqvist R, Pylkas K, Andrulis IL, Knight JA, Devilee P, Seynaeve C, Garcia-Closas M, Figueroa J, Klevebring D, Czene K, Hoening MJ, van den Ouwendael AM, Darabi H, Shu XO, Gao YT, Cox A, Blot W, Signorello

LB, Shah M, Kang D, Choi JY, Hartman M, Miao H, Hamann U, Jakubowska A, Lubinski J, Sangrajrang S, McKay J, Toland AE, Yannoukakos D, Shen CY, Wu PE, Swerdlow A, Orr N, Simard J, Pharoah PD, Dunning AM, Chenevix-Trench G, Hall P, Bandera E, Amos C, Ambrosone C, Easton DF, Cole MD. An intergenic risk locus containing an enhancer deletion in 2q35 modulates breast cancer risk by deregulating IGFBP5 expression. *Hum Mol Genet* 2016;25(17):3863-3876

Yang Y, Melzer C, Bucan V, von der Ohe J, Otte A, Hass R. Conditioned umbilical cord tissue provides a natural three-dimensional storage compartment as in vitro stem cell niche for human mesenchymal stroma/stem cells. *Stem Cell Res Ther* 2016;7(1):28

Zeng C, Guo X, Long J, Kuchenbaecker KB, Droit A, Michailidou K, Ghousaini M, Kar S, Freeman A, Hopper JL, Milne RL, Bolla MK, Wang Q, Dennis J, Agata S, Ahmed S, Aittomaki K, Andrusis IL, Anton-Culver H, Antonenкова NN, Arason A, Arndt V, Arun BK, Arver B, Bacot F, Barrowdale D, Baynes C, Beeghly-Fadiel A, Benitez J, Bermisheva M, Blomqvist C, Blot WJ, Bogdanova NV, Bojesen SE, Bonanni B, Borresen-Dale AL, Brand JS, Brauch H, Brennan P, Brenner H, Broeks A, Bruning T, Burwinkel B, Buys SS, Cai Q, Caldes T, Campbell I, Carpenter J, Chang-Claude J, Choi JY, Claes KB, Clarke C, Cox A, Cross SS, Czene K, Daly MB, de la Hoya M, De Leeneer K, Devilee P, Diez O, Domchek SM, Doody M, Dorfling CM, Dörk T, Dos-Santos-Silva I, Dumont M, Dwek M, Dworniczak B, Egan K, Eilber U, Einbeigi Z, Ejlersen B, Ellis S, Frost D, Laloo F, EMBRACE, Fasching PA, Figueroa J, Flyger H, Friedlander M, Friedman E, Gambino G, Gao YT, Garber J, Garcia-Closas M, Gehrig A, Damiola F, Lesueur F, Mazoyer S, Stoppa-Lyonnet D, behalf of GEMO Study Collaborators, Giles GG, Godwin AK, Goldgar DE, Gonzalez-Neira A, Greene MH, Guenel P, Haeberle L, Haiman CA, Hallberg E, Hamann U, Hansen TV, Hart S, Hartikainen JM, Hartman M, Hassan N, Healey S, Hogervorst FB, Verhoef S, HEBON, Hendricks CB, Hillemanns P, Hollestelle A, Hulick PJ, Hunter DJ, Imyanitov EN, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jaworska-Bieniek K, Jensen UB, John EM, Joly Beauparlant C, Jones M, Kabisch M, Kang D, Karlan BY, Kauppila S, Kerin MJ, Khan S, Khusnutdinova E, Knight JA, Konstantopoulou I, Kraft P, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Le Marchand L, Lee CN, Lee MH, Lester J, Li J, Liljegean A, Lindblom A, Lophatananon A, Lubinski J, Mai PL, Mannermaa A, Manoukian S, Margolin S, Marme F, Matsuo K, McGuffog L, Meindl A, Menegaux F, Montagna M, Muir K, Mulligan AM, Nathanson KL, Neuhausen SL, Nevanlinna H, Newcomb PA, Nord S, Nussbaum RL, Offit K, Olah E, Olopade OI, Olszwold C, Osorio A, Papi L, Park-Simon TW, Paulsson-Karlsson Y, Peeters S, Peissel B, Peterlongo P, Peto J, Pfeiler G, Phelan CM, Presneau N, Radice P, Rahman N, Ramus SJ, Rashid MU, Rennert G, Rhiehm K, Rudolph A, Salani R, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Schoemaker MJ, Schurmann P, Seynaeve C, Shen CY, Shrubsole MJ, Shu XO, Sigurdson A, Singer CF, Slager S, Soucy P, Southey M, Steinemann D, Swerdlow A, Szabo CI, Tchatchou S, Teixeira MR, Teo SH, Terry MB, Tessier DC, Teule A, Thomassen M, Tihomirova L, Tischkowitz M, Toland AE, Tung N, Turnbull C, van den Ouweland AM, van Rensburg EJ, Ven den Berg D, Vijai J, Wang-Gohrke S, Weitzel JN, Whittemore AS, Winquist R, Wong TY, Wu AH, Yannoukakos D, Yu JC, Pharoah PD, Hall P, Chenevix-Trench G, KConFab, AOCS Investigators, Dunning AM, Simard J, Couch FJ, Antoniou AC, Easton DF, Zheng W. Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. *Breast Cancer Res* 2016;18(1):64

Zhao Z, Wen W, Michailidou K, Bolla MK, Wang Q, Zhang B, Long J, Shu XO, Schmidt MK, Milne RL, Garcia-Closas M, Chang-Claude J, Lindstrom S, Bojesen SE, Ahsan H, Aittomaki K, Andrusis IL, Anton-Culver H, Arndt V, Beckmann MW, Beeghly-Fadiel A, Benitez J, Blomqvist C, Bogdanova NV, Borresen-Dale AL, Brand J, Brauch H, Brenner H, Burwinkel B, Cai Q, Casey G, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Dörk T, Dumont M, Fasching PA, Figueroa J, Flesch-Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guenel P, Haiman CA, Hamann U, Harrington P, Hartman M, Hooning MJ, Hopper JL, Jakubowska A, Jasmine F, John EM, Johnson N, Kabisch M, Khan S, Kibriya M, Knight JA, Kosma VM, Kriege M, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Lophatananon A, Luben R, Lubinski J, Malone KE, Mannermaa A, Manoukian S, Margolin S, Marme F, McLean C, Meijers-Heijboer H, Meindl A, Miao H, Muir K, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perkins B, Peterlongo P, Phillips KA, Pylkas K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Schoemaker M, Shah M, Shrubsole M, Southey MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoef S, Wang-Gohrke S, Whittemore AS, Winquist R, Pilar Zamora M, Zhao H, Dunning AM, Simard J, Hall P, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Association of genetic susceptibility variants for type 2 diabetes with breast cancer risk in women of European ancestry. *Cancer Causes Control* 2016;27(5):679-693

Zinsser LA, Stoll K, Gross MM. Midwives' attitudes towards supporting normal labour and birth - A cross-sectional study in South Germany. *Midwifery* 2016;39:98-102

Zondag DC, Gross MM, Grylka-Baeschnlin S, Poat A, Petersen A. The dynamics of epidural and opioid analgesia during labour. *Arch Gynecol Obstet* 2016;294(5):967-977

## Übersichtsarbeiten

Dammann O. Causality, mosaics, and the health sciences. *Theor Med Bioeth* 2016;37(2):161-168

Feist H, von Kaisenberg C, Hussein K. Pathologisch-anatomische und klinische Aspekte der Plazenta bei Frühgeburt. *Pathologe* 2016;DOI: 10.1007/s00292-016-0156-x

Flenady V, Wojcieszek AM, Middleton P, Ellwood D, Erwich JJ, Coory M, Khong TY, Silver RM, Smith GC, Boyle FM, Lawn JE, Blencowe H, Leisher SH, Gross MM, Horey D, Farrales L, Bloomfield F, McCowan L, Brown SJ, Joseph KS, Zeitlin J, Reinebrant HE, Ravaldi C, Vannacci A, Cassidy J, Cassidy P, Farquhar C, Wallace E, Siassakos D, Heazell AE, Storey C, Sadler L, Petersen S, Frøen JF, Goldenberg RL, Lancet Ending Preventable Stillbirths study group, Lancet Stillbirths In High-Income Countries Investigator Group. Stillbirths: recall to action in high-income countries Lancet 2016;387(10019):691-702

Hillemanns P, Soergel P, Hertel H, Jentschke M. Epidemiology and Early Detection of Cervical Cancer. *Oncol Res Treat* 2016;39(9):501-506

Hoffmann A, Floerkemeier T, Melzer C, Hass R. Comparison of in vitro-cultivation of human mesenchymal stroma/stem cells derived from bone marrow and umbilical cord. *J Tissue Eng Regen Med* 2016;DOI: 10.1002/term.2153

Holthausen-Markou S, Schippert C. Unerfüllter Kinderwunsch aus gynäkologisch-psychosomatischer Perspektive. *Frauenheilkunde up2date* 2016;10(3):223-238

Melzer C, Yang Y, Hass R. Interaction of MSC with tumor cells. *Cell Commun Signal* 2016;14(1):20

von Ehr J, von Versen-Höynck F. Implications of maternal conditions and pregnancy course on offspring's medical problems in adult life. *Arch Gynecol Obstet* 2016;294(4):673-679

#### **Letter**

Pfeifer K, Schürmann P, Bogdanova N, Neuhäuser K, Kostovska IM, Plaseska-Karanfilska D, Park-Simon TW, Schindler D, Dörk T. Frameshift variant FANCL\*c.1096\_1099dupATTA is not associated with high breast cancer risk. *Clin Genet* 2016;90(4):385-386

#### **Comments**

Hillemanns P, Mallmann P, Beckmann MW, Gynecology Oncology Working Group (AGO). New Screening Proposals: the Federal Joint Commission Defines the Parameters for Cervical Cancer Screening from 2018: Statement of the Gynecology Oncology Working Group (AGO). *Geburtshilfe Frauenheilkd* 2016;76(2):145-146

#### **Editorials**

Alfirevic Z, Tang AW, Collins SL, Robson SC, Palacios-Jaraquemada J, Ad-hoc International AIP Expert Group. Pro forma for ultrasound reporting in suspected abnormally invasive placenta (AIP): an international consensus. *Ultrasound Obstet Gynecol* 2016;47(3):276-278

Tarazi C, Skeer M, Fiscella K, Dean S, Dammann O. Everything is connected: social determinants of pediatric health and disease. *Pediatr Res* 2016;79(1-2):125-126

#### **Abstracts**

de Wall S, Gross MM, Gehling H, Grylka-Baeschnin S, Schwarz C, Weckend MJ. Totgeburten in Deutschland - was Eltern brauchen und was Gesundheitsfachpersonen geben können. *Zeitschrift für Hebammenwissenschaft* 2016;4(Suppl.1):S32-S34

Weckend MJ, Downe S, Balaam MC, Lengler L, de Wall S, Gehling H, Grylka-Baeschnin S, Gross MM. Gesundheitsversorgung und Geburtshilfe im Umbruch: was berichten Frauen über Defizite und Potenziale in Deutschland? – Die Babies Born Better User Survey. Deutsche Gesellschaft für Hebammenwissenschaft. 3. Internationale Fachtagung der Deutschen Gesellschaft für Hebammenwissenschaft (DGHwi). Fulda, 12.-12.02.2016

Volltext: <http://dx.doi.org/10.3205/16dghwi18>

#### **Promotionen**

Beckmeier, Luisa Marie (Dr. med.): Evaluation aktiver Kamerahaltesysteme in der operativen Gynäkologie Aufbau, Bedienung, Komfort, Operationen und Ergebnisse  
MHH-Signatur: D 80466

Fischer, Friederike (Dr. med.): Hochfrequenzablation des Endometriums zur Therapie von "Heavy menstrual bleeding" bei chirurgischen Hochrisikopatientinnen  
MHH-Signatur: D 80700

Floß, Kathrin (Dr. med.): Fertilität und Schwangerschaftsoutcome nach Myomenukleation per Mini-Laparotomie unter mikrochirurgischen Bedingungen bei symptomatischem Uterus myomatous  
MHH-Signatur: D 80420

Grunenberg, Carolin (Dr. med.): Sequenzvarianten und Regulation ausgewählter microRNAs bei Patientinnen mit Brust- oder Eierstockkrebs  
MHH-Signatur: D 80627

Helbig, Sonja (Dr. rer. nat.): Functional consequences of CHEK2 and TERT breast cancer risk variants  
MHH-Signatur: D 80680

Herms, Stefanie (Dr. med.): Korrelation des arteriellen pH-Wertes aus der Mikroblutuntersuchung subpartal zum tatsächlichen outcome pH-Wert postpartal  
MHH-Signatur: D 80638

Hoffmeister, Victoria Malin (Dr. med.): Klinisches Bild, Therapie und Verlauf der Vaginalen Intraepithelialen Neoplasie  
MHH-Signatur: D 80498

Malliou-Becher, Maria-Nefeli (Dr. med.): The influence of maternal age on superovulation, cytoskeletal morphology and cohesion complex organization during meiosis II using high resolution confocal microscopy  
MHH-Signatur: D 80614

Mücke, Johanna Franziska (Dr. med.): Isthmozervikale Markierung und SPECTCT zur optimalen Detektion von Sentinellymphknoten beim Endometriumkarzinom Technik, Erfahrungen und Ergebnisse  
MHH-Signatur: D 80415

Sui, Hongying (Dr. med.): Variants of RWD3 in invasive cervical cancer patients  
MHH-Signatur: D 8038

Xie, Xiaoxi (Dr. med.): Comparative study of Triple-negative breast cancer cell lines to selected therapeutic treatments  
MHH-Signatur: D 80356

Yu, Xuejiao (Dr. med.): Breast cancer gene variants and the susceptibility to cervical cancer  
MHH-Signatur: D 80477

## Kliniken/Institute der Sektion III

### Zentrum Radiologie

#### Institut für Diagnostische und Interventionelle Neuroradiologie – 8210

##### Originalpublikationen

Blessing EM, Beissner F, Schumann A, Brünner F, Bär KJ. A data-driven approach to mapping cortical and subcortical intrinsic functional connectivity along the longitudinal hippocampal axis. *Hum Brain Mapp* 2016;37(2):462-476

Brassel F, Grieb D, Meila D, Schlunz-Hendann M, Greling B, Melber K. Endovascular treatment of complex intracranial aneurysms using Acandis Acclino stents. *J Neurointerv Surg* 2016;DOI: 10.1136/neurintsurg-2016-012571

Bültmann E, Nägele T, Lanfermann H, Klose U. Changes of brain metabolite concentrations during maturation in different brain regions measured by chemical shift imaging. *Neuroradiology* 2017;59(1):31-41

Ding XQ, Maudsley AA, Sabati M, Sheriff S, Schmitz B, Schütze M, Bronzlik P, Kahl KG, Lanfermann H. Physiological neuronal decline in healthy aging human brain - An in vivo study with MRI and short echo-time whole-brain (1)H MR spectroscopic imaging. *Neuroimage* 2016;137:45-51

Helmstaedter V, Buelmann E, Lenarz T, Teschner M. Radiologic detectability of the cochlear implant electrode fixation clip using cone beam computed tomography. *Cochlear Implants Int* 2016;17(6):271-275

Jung WM, Shim W, Lee T, Park HJ, Ryu Y, Beissner F, Chae Y. More than DeQi: Spatial Patterns of Acupuncture-Induced Bodily Sensations. *Front Neurosci* 2016;10:462

Kammer J, Ziesing S, Aguirre Davila L, Bültmann E, Illsinger S, Das AM, Haffner D, Hartmann H. Neurological Manifestations of Mycoplasma pneumoniae Infection in Hospitalized Children and Their Long-Term Follow-Up. *Neuropediatrics* 2016;47(5):308-317

Lyutenski S, Götz F, Giourgas A, Majdani O, Bültmann E, Lanfermann H, Lenarz T, Gieseemann AM. Does severity of cerebral MRI lesions in congenital CMV infection correlates with the outcome of cochlear implantation? *Eur Arch Otorhinolaryngol* 2017;274(3):1397-1403

Meila D, Grieb D, Greling B, Melber K, Jacobs C, Hechtner M, Schmitz T, Schlunz-Hendann M, Lanfermann H, Brassel F. Endovascular treatment of head and neck arteriovenous malformations: long-term angiographic and quality of life results. *J Neurointerv Surg* 2016;DOI: 10.1136/neurintsurg-2016-012570

Meila D, Grieb D, Melber K, Jacobs C, Maslehaty H, Petridis A, El Habony R, Lanfermann H, Scholz M, Brassel F. Hydrocephalus in vein of Galen malformation: etiologies and therapeutic management implications. *Acta Neurochir (Wien)* 2016;158(7):1279-1284

Meila D, Melber K, Grieb D, Jacobs C, Lanfermann H, Brassel F. Fistulous-type vein of Galen malformation phantom model for endovascular training and research. *J Neurointerv Surg* 2016;DOI: 10.1136/neurintsurg-2016-012568

Meissner K, Schweizer-Arau A, Limmer A, Preibisch C, Popovici RM, Lange I, de Oriol B, Beissner F. Psychotherapy With Somatosensory Stimulation for Endometriosis-Associated Pain: A Randomized Controlled Trial. *Obstet Gynecol* 2016;128(5):1134-1142

Melber K, Meila D, Draheim P, Grieb D, Greling B, Schlunz-Hendann M, Brassel F. Vascular angular remodeling by kissing-Y stenting in wide necked intracranial bifurcation aneurysms. *J Neurointerv Surg* 2016;DOI: 10.1136/neurintsurg-2016-012858

Meyer-Bahlburg A, Dressler F, Hartmann H, Bültmann E, Schwerk N, Thon A. Transverse Myelitis und Retrobulbärneuritis bei einer jugendlichen Patientin mit systemischem Lupus erythematoses. *Arthritis und Rheuma* 2016;36(3):180-182

Moher Alsady T, Blessing EM, Beissner F. MICA-A toolbox for masked independent component analysis of fMRI data. *Hum Brain Mapp* 2016;37(10):3544-3556

Pars K, Pul R, Schwenkenbecher P, Sühs KW, Wurster U, Witte T, Bronzlik P, Stangel M, Skripuletz T. Cerebrospinal Fluid Findings in Neurological Diseases Associated with Sjogren's Syndrome. *Eur Neurol* 2016;77(1-2):91-102

Petrakakis I, Pirayesh A, Krauss JK, Raab P, Hartmann C, Nakamura M. The sellar and suprasellar region: A "hideaway" of rare lesions. Clinical aspects, imaging findings, surgical outcome and comparative analysis. *Clin Neurol Neurosurg* 2016;149:154-165

Pirayesh A, Petrakakis I, Raab P, Polemikos M, Krauss JK, Nakamura M. Petroclival meningiomas: Magnetic resonance imaging factors predict tumor resectability and clinical outcome. *Clin Neurol Neurosurg* 2016;147:90-97

Prenzler NK, Bültmann E, Giourgas A, Steffens M, Salcher RB, Stolle S, Lesinski-Schiedat A, Lenarz T, Durisin M. Cochlear implantation in patients with definite Meniere's disease. *Eur Arch Otorhinolaryngol* 2017;274(2):751-756

Raab P, Pilatus U, Hattingen E, Franz K, Hermann E, Zanella FE, Lanfermann H. Spectroscopic Characterization of Gliosarcomas-Do They Differ From Glioblastomas and Metastases? *J Comput Assist Tomogr* 2016;40(5):815-819

Schuppner R, Maehlmann J, Dirks M, Worthmann H, Tryc AB, Sandorski K, Bahlmann E, Kielstein JT, Giesemann AM, Lanfermann H, Weissenborn K. Neurological Sequelae in Adults After *E coli* O104: H4 Infection-Induced Hemolytic-Uremic Syndrome. *Medicine (Baltimore)* 2016;95(6):e2337

Schwenkenbecher P, Sarikidi A, Wurster U, Bronzlik P, Suhs KW, Raab P, Stangel M, Pul R, Skripuletz T. McDonald Criteria 2010 and 2005 Compared: Persistence of High Oligoclonal Band Prevalence Despite Almost Doubled Diagnostic Sensitivity. *Int J Mol Sci* 2016;17(9):E1592

Sclocco R, Beissner F, Desbordes G, Polimeni JR, Wald LL, Kettner NW, Kim J, Garcia RG, Renvall V, Bianchi AM, Cerutti S, Napadow V, Barbieri R. Neuroimaging brainstem circuitry supporting cardiovagal response to pain: a combined heart rate variability/ultrahigh-field (7 T) functional magnetic resonance imaging study. *Philos Trans A Math Phys Eng Sci* 2016;374(2067):10.1098/rsta.2015.0189

Sclocco R, Kim J, Garcia RG, Sheehan JD, Beissner F, Bianchi AM, Cerutti S, Kuo B, Barbieri R, Napadow V. Brain Circuitry Supporting Multi-Organ Autonomic Outflow in Response to Nausea. *Cereb Cortex* 2016;26(2):485-497

Wagner S, Gufler H, Eichner G, Lanfermann H. Characterisation of Lesions after Stereotactic Radiosurgery for Brain Metastases: Impact of Delayed Contrast Magnetic Resonance Imaging. *Clin Oncol (R Coll Radiol)* 2017;29(3):143-150

Wagner S, Lanfermann H, Eichner G, Gufler H. Radiation injury versus malignancy after stereotactic radiosurgery for brain metastases: impact of time-dependent changes in lesion morphology on MRI. *Neuro Oncol* 2017;19(4):586-594

## Übersichtsarbeiten

Lanfermann H. Angiographische Verfahren zur Feststellung des zerebralen Zirkulationsstillstandes. *Nervenarzt* 2016;87(2):144-148

Lanfermann H, Schober O. Imaging of Irreversible Loss of Brain Function. *Rofo* 2016;188(1):23-26

## **Letter**

Pars K, Garde N, Conzen J, Pul R, Dengler R, Stangel M, Skripuletz T, Trebst C. Intrapinal cavernous bleeding during early pregnancy. *J Neurol* 2016;263(10):2127-2129

## **Case reports**

Bajor A, Calvelli K, Janke E, Bialon P, Lang J, Bültmann E, Brunotte I, Framme C. Quäntchen Glück bei einer selbst induzierten penetrierenden Orbitaverletzung. *Ophthalmologe* 2016;113(9):772-774

Bajor A, Lang CP, Bültmann E, Framme C, Hufendiek K. Orbitale Komplikation einer akuten Sinusitis : Orbitaphlegmone bei einem 10-jährigen Kind. *Ophthalmologe* 2017;114(4):365-369

## **Promotionen**

Rommel, Felix (Dr. med.): Mechanische Rekanalisation beim akuten ischämischen Schlaganfall mittels Stent-Retriever eine retrospektive Studie  
MHH-Signatur: D 80345

Eylers, Vanessa Viktoria (Dr. med.): Metabolische und mikrostrukturelle Veränderungen im alternden menschlichen Gehirn eine in-vivo Studie mittels Ganzhirn-1H-Magnetresonanzspektroskopie und quantitativer Magnetresonanztomographie  
MHH-Signatur: D 80463

# **Institut für Diagnostische und Interventionelle Radiologie – 8220**

## **Originalpublikationen**

Alikhani B, Büermann L. Non-invasive experimental determination of a CT source model. *Phys Med* 2016;32(1):59-66

Biederer J, Ohno Y, Hatabu H, Schiebler ML, van Beek EJ, Vogel-Claussen J, Kauczor HU. Screening for lung cancer: Does MRI have a role? *Eur J Radiol* 2016;86:353-360

Bock B, Hasdemir D, Wandrer F, Rodt T, Manns MP, Schulze-Osthoff K, Bantel H. Serum cell death biomarker mirrors liver cancer regression after transarterial chemoembolisation. *Aliment Pharmacol Ther* 2016;44(7):747-754

Brand S, Breitenbach I, Bolzen P, Petri M, Krettek C, Teebken O. Open Repair Versus Thoracic Endovascular Aortic Repair in Multiple-Injured Patients: Observations From a Level-1 Trauma Center. *Arch Trauma Res* 2015;4(4):e27183

Ertl-Wagner B, Barkhausen J, Mahnken AH, Mentzel HJ, Uder M, Weidemann J, Stumpp P, German Association of Chairmen in Academic Radiology, Adam G, Antoch G, Barkhausen J, Beer M, Bley T, Bücker A, Düber C, Forsting M, Hamm B, Hauenstein K, Heindel W, Hosten N, Jansen O, Kahn T, Kauczor HU, Krombach G, Kuhl C, Langer M, Laniado M, Lotz J, Mahnken A, Maintz D, Nikolaou K, Reiser M, Riecke J, Rummens E, Schild H, Schönberg S, Spielmann RP, Stroszczynski C, Teichgräber U, Uder M, Vogl TJ, Wacker F, German RS, Vorwerk D, Hosten N, Schönberg S, Anton F, Neumann S, Lohwasser S. White Paper: Radiological Curriculum for Undergraduate Medical Education in Germany. *Röfo* 2016;188(11):1017-1023

Franiel T, Quentin M, Mueller-Lisse UG, Schimmoeller L, Asbach P, Rödel S, Willinek W, Hueper K, Beyersdorff D, Röthke M. MRT der Prostata: Empfehlungen zur Vorbereitung und Durchführung. *Röfo* 2017;189(1):21-28

Hasdemir DB, Dávila LA, Schweitzer N, Meyer BC, Koch A, Vogel A, Wacker F, Rodt T. Evaluation of computed tomography vascularisation patterns for survival prognosis in patients with hepatocellular carcinoma treated by conventional transarterial chemoembolisation. *Diagn Interv Radiol* 2016;23

Henkenberens C, von Klot CA, Ross TL, Bengel FM, Wester HJ, Merseburger AS, Vogel-Claussen J, Christiansen H, Derlin T. (68)Ga-PSMA-PET/CT-basierte Strahlentherapie beim lokal rezidivierten und oligometastasierten Prostatakarzinom : Frühe Effektivität nach Primärtherapie. *Strahlenther Onkol* 2016;192(7):431-439

Hinrichs JB, Murray T, Akin M, Lee M, Brehm MU, Wilhelmi M, Wacker FK, Rodt T. Evaluation of a novel 2D perfusion angiography technique independent of pump injections for assessment of interventional treatment of peripheral vascular disease. *Int J Cardiovasc Imaging* 2017;33(3):295-301

Hinrichs JB, Renne J, Hoeper MM, Olsson KM, Wacker FK, Meyer BC. Balloon pulmonary angioplasty: applicability of C-Arm CT for procedure guidance. *Eur Radiol* 2016;26(11):4064-4071

Hinrichs JB, Shin HO, Kaecher D, Hasdemir D, Murray T, Kaireit T, Lutat C, Vogel A, Meyer BC, Wacker FK, Rodt T. Parametric response mapping of contrast-enhanced biphasic CT for evaluating tumour viability of hepatocellular carcinoma after TACE. Eur Radiol 2016;26(10):3447-3455

Hinrichs JB, von Falck C, Hoepfer MM, Olsson KM, Wacker FK, Meyer BC, Renne J. Pulmonary Artery Imaging in Patients with Chronic Thromboembolic Pulmonary Hypertension: Comparison of Cone-Beam CT and 64-Row Multidetector CT. J Vasc Interv Radiol 2016;27(3):361-368.e2

Hueper K, Gutberlet M, Bräsen JH, Jang MS, Thorenz A, Chen R, Hertel B, Barrmeyer A, Schmidbauer M, Meier M, von Vietinghoff S, Khalifa A, Hartung D, Haller H, Wacker F, Rong S, Gueler F. Multiparametric Functional MRI: Non-Invasive Imaging of Inflammation and Edema Formation after Kidney Transplantation in Mice. PLoS One 2016;11(9):e0162705

Hueper K, Khalifa AA, Bräsen JH, Vo Chieu VD, Gutberlet M, Wintterle S, Lehner F, Richter N, Peperhove M, Tewes S, Weber K, Haller H, Wacker F, Gwinner W, Gueler F, Hartung D. Diffusion-Weighted imaging and diffusion tensor imaging detect delayed graft function and correlate with allograft fibrosis in patients early after kidney transplantation. J Magn Reson Imaging 2016;44(1):112-121

Kahl KG, Herrmann J, Stubbs B, Krüger TH, Cordes J, Deuschle M, Schweiger U, Hüper K, Helm S, Birkenstock A, Hartung D. Pericardial adipose tissue and the metabolic syndrome is increased in patients with chronic major depressive disorder compared to acute depression and controls. Prog Neuropsychopharmacol Biol Psychiatry 2017;72:30-35

Kirstein MM, Schweitzer N, Ay N, Boeck C, Lappas K, Hinrichs JB, Voigtlander T, Wacker F, Manns MP, Rodt T, Vogel A. Experience from a real-life cohort: outcome of 606 patients with hepatocellular carcinoma following transarterial chemoembolization. Scand J Gastroenterol 2017;52(1):116-124

Mewes A, Hensen B, Wacker F, Hansen C. Touchless interaction with software in interventional radiology and surgery: a systematic literature review. Int J Comput Assist Radiol Surg 2017;12(2):291-305

Murray T, Rodt T, Lee MJ. Two-Dimensional Perfusion Angiography of the Foot: Technical Considerations and Initial Analysis. J Endovasc Ther 2016;23(1):58-64

Oldhafer F, Ringe Kl, Timrott K, Kleine M, Ramackers W, Cammann S, Jäger MD, Klempnauer J, Bektas H, Vondran FW. Monitoring of liver function in a 73-year old patient undergoing 'Associating Liver Partition and Portal vein ligation for Staged hepatectomy': case report applying the novel liver maximum function capacity test. Patient Saf Surg 2016;10:16

O'Mara DM, DiCamillo PA, Gilson WD, Herzka DA, Wacker FK, Lewin JS, Weiss CR. MR-guided percutaneous sclerotherapy of low-flow vascular malformations: Clinical experience using a 1.5 tesla MR system. J Magn Reson Imaging 2017;45(4):1154-1162

Plaass C, Ettinger S, Sonnow L, Daniilidis K, Koenneker S, Weizbauer A, Noll Y, Reifenrath J, Claassen L, Stuckenborg-Colsman C, Windhagen H. Short-term results using a biodegradable magnesium screw for modified Chevron osteotomies. Foot Ankle Surg 2016;22(2, Suppl. 1):35

Plaass C, Ettinger S, Sonnow L, Koenneker S, Noll Y, Weizbauer A, Reifenrath J, Claassen L, Daniilidis K, Stuckenborg-Colsman C, Windhagen H. Early results using a biodegradable magnesium screw for modified chevron osteotomies. J Orthop Res 2016;34(12):2207-2214

Preuss A, Schaafs LA, Werncke T, Steffen IG, Hamm B, Elgeti T. Run-Off Computed Tomography Angiography (CTA) for Discriminating the Underlying Causes of Intermittent Claudication. PLoS One 2016;11(4):e0152780

Renne J, Vogel-Claussen J. Quantifizierung von Ventilation, Inflammation, Perfusion und Struktur (VIPS). Pneumologie 2016;70(12):813-825

Sommer CM, Pallwein-Prettner L, Vollherbst DF, Seidel R, Rieder C, Radeleff BA, Kauczor HU, Wacker F, Richter GM, Bücker A, Rodt T, Massmann A, Pereira PL. Transarterial embolization (TAE) as add-on to percutaneous radiofrequency ablation (RFA) for the treatment of renal tumors: Review of the literature, overview of state-of-the-art embolization materials and further perspective of advanced image-guided tumor ablation. Eur J Radiol 2017;86:143-162

Suhling H, Dettmer S, Greer M, Fuehner T, Avsar M, Haverich A, Welte T, Gottlieb J. Phenotyping Chronic Lung Allograft Dysfunction Using Body Plethysmography and Computed Tomography. Am J Transplant 2016;16(11):3163-3170

Tewes S, Mokov N, Hartung D, Schick V, Peters I, Schedl P, Pertschy S, Wacker F, Voshage G, Hueper K. Standardized Reporting of Prostate MRI: Comparison of the Prostate Imaging Reporting and Data System (PI-RADS) Version 1 and Version 2. PLoS One 2016;11(9):e0162879

Tudorache I, Theodoridis K, Baraki H, Sarikouch S, Bara C, Meyer T, Hoffler K, Hartung D, Hilfiker A, Haverich A, Cebotari S. Decellularized aortic allografts versus pulmonary autografts for aortic valve replacement in the growing sheep model: haemodynamic and morphological results at 20 months after implantation. Eur J Cardiothorac Surg 2016;49(4):1228-1238

Vogel A, Gupta S, Zeile M, von Haken R, Brüning R, Lotz G, Vahrmeijer A, Vogl T, Wacker F. Chemosaturation Percutaneous Hepatic Perfusion: A Systematic Review. Adv Ther 2017;33(12):2122-2138

Voskrebenev A, Gutberlet M, Kaireit TF, Wacker F, Vogel-Claussen J. Low-pass imaging of dynamic acquisitions (LIDA) with a group-oriented registration (GOREG) for proton MR imaging of lung ventilation. Magn Reson Med 2016;DOI: 10.1002/mrm.26526

Weber-Spickschen TS, Alfke D, Agneskirchner JD. The use of a modular system to convert an anatomical total shoulder arthroplasty to a reverse shoulder arthroplasty : Clinical and radiological results. Bone Joint J 2015;97-B(12):1662-1667

Yew MH, Fishman EK, Vogel-Claussen J, Spevak PJ. Assessment of Pentalogy of Cantrell using 3D Multidetector Computed Tomography. Radiol Case Rep 2016;4(1):273

### **Übersichtsarbeiten**

Hüper K, Kühn B, Gutberlet M. MRT-Perfusionsmessung mit Arterial Spin Labelling – Anwendung für die Niere und Transplantatniere. Radiologie up2date 2016;16(02):107-124

Kuehnel M, Maegel L, Vogel-Claussen J, Robertus JL, Jonigk D. Airway remodelling in the transplanted lung. Cell Tissue Res 2017;367(3):663-675

### **Case reports**

Hawi N, Alfke D, Lioudakis E, Omar M, Krettek C, Müller CW, Meller R. Case Report of a Traumatic Atlantoaxial Rotatory Subluxation with Bilateral Locked Cervical Facets: Management, Treatment, and Outcome. Case Rep Orthop 2016;2016:7308653

Kaufeld T, Zeckey C, Marquardt S, Krettek C, Haverich A, Tudorache I. A Close Call: An Impacted Knife Injury to the Thorax. Ann Thorac Surg 2016;102(6):e545-e546

### **Buchbeiträge, Monografien**

Burgmans MC, Soo TB, Teo T, Khoo LS, Tay KH, Ringe Kl. Interventionen bei Hämodialysehunts. In: Chavan A [Hrsg.]: Vaskuläre Interventionen. Stuttgart, New York: Georg Thieme Verlag, 2017. S. 274-284

Meyer BC, Rodt T. Fremdkörperentfernung aus dem Gefäßsystem. In: Chavan A [Hrsg.]: Vaskuläre Interventionen. Stuttgart New York: Georg Thieme Verlag, 2017. S. 356-362

Wacker F. Interventionell radiologische Präzisionstherapie - Multiparametrische bildgestützte Navigation. In: Wolf KJ, Knapp WH, Herrmann TRW [Hrsg.]: Strahlenforschung in der Medizin Relevanz und Perspektiven : Leopoldina-Symposium am 8. und 9. Mai 2015 in Halle (Saale). Halle Saale; Stuttgart: Deutsche Akademie der Naturforscher Leopoldina, Nationale Akademie der Wissenschaften; Wissenschaftliche Verlagsgesellschaft, 2016. (Nova acta Leopoldina). S. 171-183

### **Herausgeberschaften**

Haaga JR, Boll D, Wacker F [Hrsg.]: Computed Tomography Magnetic Resonance Imaging Of The Whole Body. 6. ed. Philadelphia: Elsevier, 2016. 2300 S.

### **Abstract**

Alikhani B, Werncke T, Meyer B. Einfluss der Heel-Effekts auf die Bildqualität eines Flachdetektor-CTs: eine Phantomstudie. DGMP 47. Jahrestagung, 07.09.-09.09.2016, Würzburg

Berthold LD. Bildgebung bei entzündlichen Gelenkerkrankungen. Jahrestagung Sektion Pädiatrie, 13.02.2016

Dettmer,S., Vogel-Claussen,J., Shin H. Veränderungen in der Computertomographie bei chronischer Allograft-Dysfunktion nach Lungentransplantation: Prädiktiver Wert für das weitere Fortschreiten der Erkrankung und das Überleben. DRK Leipzig, 06.05.2016

Getzin T, Chen R, Jang M, Barrmeyer B, Hensen B, Meier M, Wacker F, Hartung D, Gueler F, Hueper K. Multiparametrische MRT der Niere zur Untersuchung des Effekts der PKCa Defizienz im Mausmodell des renalen Ischämie Reperfusionschadens. DRK Leipzig, 06.05.2016

Gutberlet M, Kern A, Voskrebenev A, Kaireit TF, Schönfeld C, Czerner C, Renne J, Wacker F, Vogel-Claussen J. Funktionelle MRT der Lunge. Sem. Exp. Radiologie, 09.06.2016

Hartung D, Chen R, Gutberlet M, Rong S, Bräsen JH, Meier M, Haller H, Wacker F, Gueler F, Hueper K. T2 - Mapping zur nicht - invasiven Beurteilung der akuten Abstoßung nach heterotoper Herztransplantation im Mausmodell. DRK Leipzig, 04.05.2016

Hartung D, Chen R, Gutberlet M, Rong S, Bräsen JH, Meier M, Haller H, Wacker F, Gueler F, Hueper K. T2 mapping for non-invasive assessment of acute cardiac allograft rejection in a mouse model of heterotopic heart transplantation. ISMRM Singapur, 09.05.2016-16.05.2016

Hartung D. Koronararterien: Stens und Bypasses. DRK Leipzig, 07.05.2016

Hensen B, Gutberlet M, Kaegebein U, Stucht D, Speck O, Wacker F. Implementation and evaluation of wirelessvideo transmission at 1.5T, 3T and 7T. Interventional MRI Symposium, 07.-09.10.2016, Baltimore

Hensen B, Kaegebein U, Pannicke E. Entwicklungen im klinischen interventionellen MRT. iMRI Treffen, 27.07.16, Erlangen

Hensen B, Thorenz A, Chen R, Fortmeier V, Meier M, Klos A, Wacker F, Hartung D, Gueler F, Hueper K. The complement system and its influence on the development of acute renal failure; non-invasive renal perfusion measurement by MRI. ECR, 02.-06.03.2016, Wien

Hensen B. Radiologie Apps. FFZ Treffen, 05.02.2016, Remscheid

Hinrichs J, Murry T, Akin M, Brehm MU, Wilhelm I M, Wacker FK, Rodt T. Evaluation of a novel 2D perfusion angiography technique independent of pump injections for assessment of interventional treatment of peripheral vascular disease. RSNA, 26.11.-02.12.2016, Chicago

Hinrichs J, Wacker F, Meyer BC. Imaging of pelvic arteries: Comparison of carbon dioxide enhanced digital subtraction angiography and C-arm computed tomography. ECR, 02.-06.03.2016, Wien

Hinrichs J, Wacker F, Meyer BC. Imaging of pelvic arteries: Comparison of carbon dioxide enhanced digital subtraction angiography and C-arm computed tomography. SIR Meeting, 02.-05.04.2016, Vancouver

Hinrichs J, Werncke T, Kaireit TM, Hoeper M, Olsson K, Wacker FK, Bengel FM, von Falck C, Schatka I, Meyer BC. C-Arm computed tomography adds diagnostic information in patients with chronic thromboembolic pulmonary hypertension and a positive V/Q SPECT. RSNA, 26.11.-02.12.2016, Chicago

Hinrichs JB, Murray T, Akin M, Brehm MU, Wilhelm I M, Wacker F, Rodt T. 2 D- Perfusionsanalyse vor und nach interventionaler Behandlung bei pAVK der unteren Extremität. DRK, 05.05.2016, Leipzig

Hinrichs JB, Werncke T, Kaireit,T., Hoeper,M., Olsson K, Wacker F, von Falck C, Meyer B. Einschätzung des Schweregrads der chronisch thromboembolischen pulmonalen Hypertonie(CTEPH) mittels Single Photon Emission Computed Tomography (SPECT) im Vergleich zur C-Arm CT(CACT). DRK, 06.05.2016, Leipzig

Hueper K. Funktionelle MRT der Niere. Jahrestagung der Norddeutschen Röntgengesellschaft, 05.-06.02.2016, Hamburg

Hüper K, Tewes S, Gutberlet M, Vo Chieu VD, Rauhut S, Peperhove M, Wacker F, Gueler F. T2 mapping for non-invasive assessment of acute cardiac allograft rejection in a mouse model of heterotopic heart transplantation. ISMRM Singapur, 09.05.2016-16.05.2016

Hüper K. Gut zu wissen: Förderungsmöglichkeiten für Studenten und Weiterbildungsassistenten nach dem Kongress. DRK Leipzig, 04.05.2016

Kaireit T, Lutat C, Peperhove M, Wacker F, Ringe K. Wertigkeit der oralen Negativkontrastmittelgabe im Rahmen der CT-Staging-Untersuchungen bei Patienten mit Neoplasien. DRK, 05.05.2016, Leipzig

Klimes F, Voskrebenev A, Wacker F, Gutberlet M, Vogel-Claussen J. A systematic comparison of lung ventilation between Fourier deconvolution and Jacobian determinant methods. DGMP 47. Jahrestagung, 07.09.-09.09.2016, Würzburg

Koestner W, Detje C, Lienenklaus S, Langereis M, Wacker F, Kalinke U. BLI/CT imaging of IFN- $\beta$  reporter mice revealed contribution of hepatocytes to INF- $\beta$  responses in the liver after coxsackievirus infection. Hot Topics in molecular imaging, 01.-05.02.2016, Les Houches

Koestner W, Detje C, Lienenklaus S, Langereis M, Wacker F, Kalinke U. Nachweis der Beteiligung von Hepatozyten an der IFN- $\gamma$  Antwort nach Coxsackievirusinfektion mittels Biolumineszenz/CT-Bildgebung. DRK, 06.05.2016, Leipzig

Koestner W, Herder V, Detje C, Langereis M, Lienenklaus S, Baumgärtner W, Wacker F, Kalinke U. Molecular BLI/Ct-Imaging reveals local IFN- $\beta$  induction in the heart in a murine model of acute viral myocarditis. RSNA, 26.11.-02.12.2016, Chicago

Lang H, Rong S, Hartung D, Chen R, Gutberlet M, Meier M, Wacker F, Gueler, F., Hueper, K. T2 - Mapping der Leber zur Beurteilung des Gewebeödems nach partieller Leberischämie. DRK Leipzig, 06.05.2016

Marquardt S, Wirth T, Hanke A, Vogel A, Wacker F. Isolierte Leberperfusion (Chemosaturation) mit Melphalan bei Patienten mit primären und sekundären Lebertumoren; erste Erfahrungen bei 11 Patienten. IROS, 14.-16.01.2016, Salzburg

Maschke SK, Schoenfeld CO, Kaireit TF, Cebotari S, Hooper M, Wacker F, Vogel-Claussen J. MRI-derived regional biventricular function in patients with chronic thromboembolic pulmonary hypertension (CTEPH) before and after pulmonary endarterectomy (PEA). ECR, 02.-06.03.2016, Wien

Maschke SK, Schönfeld CO, Kaireit TF, Cebotari S, Hooper M, Wacker F, Vogel-Claussen J. MRT-basierte Bestimmung der biventrikulären regionalen Myokardfunktion bei Patienten mit chronisch-thrombembolischer pulmonaler Hypertonie/CTEPH) vor und nach pulmonaler Endarterektomie(PEA). DRK Leipzig, 07.05.2016

Meyer B. Optimierung von Prozeduren in der diagnostischen und interventionellen Radiologie zum Schutz von Patient und Personal - im Projekt 8 des KVFS. DGMP 47. Jahrestagung, 07.09.-09.09.2016, Würzburg

Meyer B. Pulmonary Artery Interventions. CIRSE, 10.09-14.09.16, Barcelona

Raatschen H. Softwaregestütztes Dosismanagement. NDRG, 05.-06.02.2016, Hamburg

Raatschen HJ, Jamali L, Wacker F. Individualised CTPA injection protocol optimises contrast use and increases arterial attenuation. ECR, 02.-06.03.2016, Wien

Renne J, Kaireit T, Schönfeld C, Czerner C, Voskrebenev A, Gutberlet M, Kern A, Wacker F, Vogel-Claussen J. Added value of functional lung MRI for improved patient care: current techniques and future perspectives. RSNA, 26.11.-02.12.2016, Chicago

Renne J, Zinne N, Gottlieb J, Gutberlet M, Voskrebenev A, Kaireit T, Hoeffler HK, Warnecke G, Krüger M, Welte T, Haverich A, Wacker F, Vogel-Claussen J. Application of oxygen enhanced MRI in lung transplantation. DZL Jahrestreffen, 01.02.2016, Hannover

Ringe K, von Falck C, Raatschen HJ, Wacker F, Hinrichs JB. Akute transiente Dyspnoe nach GD-EOB-DTPA Gabe - Evaluation verschiedener Kontrastmittelapplikationsprotokolle. DRK Leipzig, 04.05.2016

Ringe K, von Falck C, Raatschen HJ, Wacker F, Hinrichs JB. Evaluation of different contrast agent application protocols in relation to respiratory motion artifacts at gadoxetate disodium enhanced MRI. RSNA, 26.11.-02.12.2016, Chicago

Ringe K, von Falck C, Raatschen HJ, Wacker F, Hinrichs JB. Transient severe motion (TSM) at gadoxetate didosium-enhanced MRI - Comparison of different contrast agent application protocols. ISMRM Singapur, 09.05.2016-16.05.2016

Ringe K, Wacker F, Meyer S. Füllen oder nicht? - Wertigkeit der rektalen Kontrastmittelapplikation für die Evaluation der Sigmadivertikulitis in der Multidetektor CT. DRK Leipzig, 05.05.2016

Ringe KI, Falck C, Raatschen HJ, Wacker F, Hinrichs J. Influence of different contrast agent application protocols on transient severe motion (TSM) at gadoxetate disodium-enhanced MRI. ECR, 02.-06.03.2016, Wien

Ringe KI. Follow-up Bildgebung nach Ablation. NDRG, 05.-06.02.2016, Hamburg

Rodt T, Hinrichs J, Murray T, Akin M, Brehm M, Wilhelmi M, Wacker F. Evaluation of a novel 2D perfusion angiography technique independent of pump injections for assessment of interventional treatment of peripheral vascular disease. RSNA, 26.11.-02.12.2016, Chicago

Rodt T, Murray T, McCavert M, Given M, Keeling A, McGrath F, Lee M. 2D-Perfusion angiography of the foot; technical considerations and initial analysis. ECR, 02.-06.03.2016, Wien

Rodt T, Politi S. Scientific Session 208, Orbita and olfaction. ECR, 02.-06.03.2016, Wien

Rodt T. Follow-up nach transarterieller Therapie. NDRG, 05.-06.02.2016, Hamburg

Rodt T. Lokale Therapie von Lebermetastasen: von der RFA bis zur Chemosaturation. Verein für Fort- und Weiterbildung in der GHE e.V. Behandlung des metastasierten Kolon-Karzinoms, Hannover 2016, 11.05.2016

Schoenfeld C, Cebotari S, Hinrichs J, Renne J, Gutberlet M, Olsson K, Voskrebenev A, Hooper MM, Welte T, Wacker F, Haverich A, Vogel-Claussen J. MR Imaging-derived regional pulmonary parenchymal perfusion and cardiac function for monitoring patients with chronic thromboembolic pulmonary hypertension before and after pulmonary endarterectomy. DZL Jahrestreffen, 01.02.2016, Hannover

Schoenfeld C, Voskrebenev A, Vogel-Claussen J. Cardio-pulmonary MRI for Diagnosis and Monitoring of Chronic Thromboembolic Pulmonary Hypertension (CTEPH). Magneton flash 2016;66(3)

Sonnw L, von Falck C, Plaass C. Radiology appearance of a g-screw used for fixation of a distal metatarsal osteotomy in humans. Workshop Imaging - Pushing the Limits, 04.07.2016

Tewes S, Greite R, Hartung D, Chen R, Rong S, Bräsen J, Meier M, Jang M, Gutberlet M, Hensen B, Wacker F, Güler F, Hüper K. Diffusionsbildgebung & T2 mapping können renale Pathologien im Rahmen eines akuten Nierenversagens charakterisieren und eine Vorhersage zum renalen outcome geben . DRK, 07.05.2016, Leipzig

Tewes S, Gutberlet M, Vo Chieu VD, Hartung D, Rauhut S, Peperhove M, Wacker F, Gueler F, Hueper K. Arterial spin labeling can detect discreet changes of renal perfusion after oral application of the pain medication diclofenac in healthy subjects. ISMRM Singapur, 09.05.2016.-16.05.2016

Vo Chieu VD, Bräsen HJ, Gutberlet M, Jang M, Lehner F, Peperhove M, Tewes S, Warnecke,G., Fegbeutel,C., Gwinner W, Hartung D, Wacker F, Güler F, Hüper K. T1 - Mapping zur Beurteilung von Nierenschäden nach Organtransplantation . DRK, 07.05.2016, Leipzig

Vo Chieu VD, Raatschen HJ, Wacker F, Ringe Kl. Microwave ablation of liver lesions in challenging locations. CIRSE, 11.09-14.09.16, Barcelona

von Falck C, Sonnow L, Werncke T, Könnecker S, Wacker F. Biodegradable magnesium Herbert screw in different modalities - image quality and artifacts. ESSR, 09.06.2016, Zürich

von Falck C. Arthrographie der Hand in CT und MRT. NDRG, 05.-06.02.2016, Hamburg

von Falck C. Biopsien. DRK Leipzig, 04.05.16-05.05.2016

von Falck C. BMEP beim Gelenktrauma: Topographie, Mechanismus und Schadensmuster. Jahrestagung der DGMSR, 15.04.2016, Berlin

von Falck C. Strategien zur Prophylaxe, Diagnostik und Therapie des Implantat-Frühinfektes aus Sicht eines Radiologen. 20. chirurgische Forschungstage der deutschen Gesellschaft für Chirurgie, 09.09.2016

Voskrebenev A, Gutberlet M, Wacker F, Vogel-Claussen J. 3D Lung Ventilation 1H Imaging using a respiratory self-navigated stack-of-stars sequence in comparison to 2D fourier decomposition. ISMRM Singapur, 09.05.2016.-16.05.2016

Voskrebenev A, Gutberlet M, Wacker F, Vogel-Claussen J. 3D Lung Ventilation 1H Imaging using a self-navigated sequence or alternatively a pseudo 3D approach in comparison with 2D Lung fourier decomposition. DGMP 47. Jahrestagung, 07.09.-09.09.2016, Würzburg

Werncke T, Hinrichs J, Wacker FT, Meyer BC. Virtual single source CT using dual source acquisition: radiation dose verification of run-off CT-angiography using intra-individual comparison of different scan protocols. RSNA, 26.11.-02.12.2016, Chicago

Werncke T, Meyer BC, Luepke M, Hinrichs J, Wacker FK, Sonnow L. Ultra high resolution C-Arm CT arthrography of the wrist: radiation dose and image quality compared to conventional computed tomography. RSNA, 26.11.-02.12.2016, Chicago

## Poster

Kern A, Voskrebenev A, Gutberlet M, Renne J, Qing K, Zinne N, Biller H, Hohlfeld JM, Wacker F, Vogel-Claussen J. Hyperpolarized <sup>129</sup>Xe dissolved-phase magnetic resonance imaging in pig lungs. ESMRMB, 29.09.- 01.10.2016, Wien

Kern A, Voskrebenev A, Qing K, Biller H, Hohlfeld J, Vogel-Claussen J, Gutberlet M. Simultaneous examination of lung ventilation, diffusion and perfusion by functional magnetic resonance imaging using hyperpolarized Xenon. DZL-Jahrestreffen, 1.2.2016, Hannover

## Promotionen

Handschuk, Juliane (Dr. med.): Langzeitüberleben nach Radiofrequenzablation kolorektaler Lebermetastasen und Prädiktoren in der Mag-

netresonanztomographie für ein Lokalrezidiv eine Zentrumsanalyse  
MHH-Signatur: D 80361

Lauermann, Jost Lennart (Dr. med.): Vergleich technischer, klinischer und wirtschaftlicher Aspekte bei der transjugulären portosystemischen Shunt-Anlage zwischen einem nicht-ummantelten Stent und einem PTFE-ummantelten Stentgraft  
MHH-Signatur: D 80461

Scheffler, Anke (Dr. med.): Osteoidosteom Analyse des klinischen Verlaufs und der Therapie mittels Radiofrequenzablation  
MHH-Signatur: D 80495

## Klinik für Strahlentherapie und Spezielle Onkologie – 8240

### Originalpublikationen

Abend M, Badie C, Quintens R, Kriehuber R, Manning G, Macaeva E, Njima M, Oskamp D, Strunz S, Moertl S, Doucha-Senf S, Dahlke S, Menzel J, Port M. Examining Radiation-Induced In Vivo and In Vitro Gene Expression Changes of the Peripheral Blood in Different Laboratories for Biodosimetry Purposes: First RENE8 Gene Expression Study Radiat Res 2016;185(2):109-123

Becker-Schiebe M, Abaci A, Ahmad T, Hoffmann W. Reducing radiation-associated toxicity using online image guidance (IGRT) in prostate cancer patients undergoing dose-escalated radiation therapy Rep Pract Oncol Radiother 2016;21(3):188-194

Becker-Schiebe M, Sperling M, Wetzel F, Pinkert U, Hoffmann W. Prognostic Impact of p16 Alterations and Pretreatment Anemia in Head and Neck Cancer Patients Undergoing Definitive Radiochemotherapy. Clin Med J 2016;2(2):13-19

Becker-Schiebe M, Stockhammer M, Hoffmann W, Wetzel F, Franz H. Spiegelt die mittlere Herzdosis im Rahmen der Radiotherapie beim linksseitigen Mammakarzinom die Dosisbelastung der Koronararterien ausreichend wider? : Einfluss der Atemtriggerung Strahlenther Onkol 2016;192(9):624-631

Bogdanova N, Pfeifer K, Schürmann P, Antonenkova N, Siggelkow W, Christiansen H, Hillemanns P, Park-Simon TW, Dörk T. Analysis of a RECQL splicing mutation, c.1667\_1667+3delAGTA, in breast cancer patients and controls from Central Europe. Fam Cancer 2017;16(2):181-186

Couch FJ, Kuchenbaecker KB, Michailidou K, Mendoza-Fandino GA, Nord S, Lilyquist J, Olswold C, Hallberg E, Agata S, Ahsan H, Aittomäki K, Ambrosone C, Andrusik IL, Anton-Culver H, Arndt V, Arun BK, Arver B, Barile M, Barkardottir RB, Barrowdale D, Beckmann L, Beckmann MW, Benitez J, Blank SV, Blomqvist C, Bogdanova NV, Bojesen SE, Bolla MK, Bonanni B, Brauch H, Brenner H, Burwinkel B, Buys SS, Caldes T, Caligo MA, Canzian F, Carpenter J, Chang-Claude J, Chanock SJ, Chung WK, Claes KB, Cox A, Cross SS, Cunningham JM, Czene K, Daly MB, Damiola F, Darabi H, de la Hoya M, Devilee P, Diez O, Ding YC, Dolcetti R, Domchek SM, Dorfling CM, Dos-Santos-Silva I, Dumont M, Dunning AM, Eccles DM, Ehrencrona H, Ekici AB, Eliassen H, Ellis S, Fasching PA, Figueroa J, Flesch-Janys D, Försti A, Fostira F, Foulkes WD, Friebel T, Friedman E, Frost D, Gabrielson M, Gammon MD, Ganz PA, Gapstur SM, Garber J, Gaudet MM, Gayther SA, Gerdes AM, Ghousaini M, Giles GG, Glendon G, Godwin AK, Goldberg MS, Goldgar DE, González-Neira A, Greene MH, Gronwald J, Guénél P, Gunter M, Haeberle L, Haiman CA, Hamann U, Hansen TV, Hart S, Healey S, Heikkilä T, Henderson BE, Herzog J, Hogervorst FB, Hollestelle A, Hooning MJ, Hoover RN, Hopper JL, Humphreys K, Hunter DJ, Huzarski T, Imyanitov EN, Isaacs C, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Jones M, Kabisch M, Kar S, Karlan BY, Khan S, Khaw KT, Kibriya MG, Knight JA, Ko YD, Konstantopoulou I, Kosma VM, Kristensen V, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Lee E, Le Marchand L, Lester J, Lindblom A, Lindor N, Lindstrom S, Liu J, Long J, Lubinski J, Mai PL, Makalic E, Malone KE, Mannermaa A, Manoukian S, Margolin S, Marmer F, Martens JW, McGuffog L, Meindl A, Miller A, Milne RL, Miron P, Montagna M, Mazoyer S, Mulligan AM, Muranen TA, Nathanson KL, Neuhausen SL, Nevanlinna H, Nordestgaard BG, Nussbaum RL, Offit K, Olah E, Olopade OI, Olson JE, Osorio A, Park SK, Peeters PH, Peissel B, Peterlongo P, Peto J, Phelan CM, Pilarski R, Poppe B, Pylkäs K, Radice P, Rahman N, Rantala J, Rappaport C, Rennert G, Richardson A, Robson M, Romieu I, Rudolph A, Rutgers EJ, Sanchez MJ, Santella RM, Sawyer EJ, Schmidt DF, Schmidt MK, Schmutzler RK, Schumacher F, Scott R, Senter L, Sharma P, Simard J, Singer CF, Sinilnikova OM, Soucy P, Southee M, Steinemann D, Stenmark-Askmalm M, Stopa-Lyonnet D, Swerdlow A, Szabo CI, Tamimi R, Tapper W, Teixeira MR, Teo SH, Terry MB, Thomassen M, Thompson D, Tihomirova L, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tsimiklis H, Teulé A, Tumino R, Tung N, Turnbull C, Ursin G, van Deurzen CH, van Rensburg EJ, Varon-Mateeva R, Wang Z, Wang-Gohrke S, Weiderpass E, Weitzel JN, Whittemore A, Wildiers H, Winquist R, Yang XR, Yannoukakos D, Yao S, Zamora MP, Zheng W, Hall P, Kraft P, Vachon C, Slager S, Chenevix-Trench G, Pharoah PD, Monteiro AA, García-Closas M, Easton DF, Antoniou AC. Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer Nat Commun 2016;7:11375

Cuellar-Partida G, Lu Y, Dixon SC, Australian Ovarian Cancer Study, Fasching PA, Hein A, Burghaus S, Beckmann MW, Lambrechts D, Van Nieuwenhuysen E, Vergote I, Vanderstichele A, Doherty JA, Rossing MA, Chang-Claude J, Rudolph A, Wang-Gohrke S, Goodman MT, Bogdanova N, Dörk T, Durst M, Hillemanns P, Runnebaum IB, Antonenkova N, Butzow R, Leminen A, Nevanlinna H, Pelttari LM, Edwards RP, Kelley JL, Modugno F, Moysich KB, Ness RB, Cannioto R, Hogdall E, Hogdall C, Jensen A, Giles GG, Bruinsma F, Kjaer SK, Hildebrandt MA, Liang D, Lu KH, Wu X, Bisogna M, Dao F, Levine DA, Cramer DW, Terry KL, Tworoger SS, Stampfer M, Missmer S, Bjorge L, Salvesen

HB, Kopperud RK, Bischof K, Aben KK, Kiemeney LA, Massuger LF, Brooks-Wilson A, Olson SH, McGuire V, Rothstein JH, Sieh W, Whittemore AS, Cook LS, Le ND, Blake Gilks C, Gronwald J, Jakubowska A, Lubinski J, Kluz T, Song H, Tyrer JP, Wentzensen N, Brinton L, Trabert B, Lissowska J, McLaughlin JR, Narod SA, Phelan C, Anton-Culver H, Ziogas A, Eccles D, Campbell I, Gayther SA, Gentry-Maharaj A, Menon U, Ramus SJ, Wu AH, Dansonka-Mieszkowska A, Kupryjanczyk J, Timorek A, Szafron L, Cunningham JM, Fridley BL, Winham SJ, Bandera EV, Poole EM, Morgan TK, Goode EL, Schildkraut JM, Pearce CL, Berchuck A, Pharoah PD, Webb PM, Chenevix-Trench G, Risch HA, MacGregor S. Assessing the genetic architecture of epithelial ovarian cancer histological subtypes. *Hum Genet* 2016;135(7):741-756

Darabi H, Beesley J, Droit A, Kar S, Nord S, Moradi Marjaneh M, Soucy P, Michailidou K, Ghoussaini M, Fues Wahl H, Bolla MK, Wang Q, Dennis J, Alonso MR, Andrusil IL, Anton-Culver H, Arndt V, Beckmann MW, Benitez J, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Broeks A, Bruning T, Burwinkel B, Chang-Claude J, Choi JY, Conroy DM, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dörk T, Easton DF, Fasching PA, Figueroa J, Fletcher O, Flyger H, Galle E, Garcia-Closas M, Giles GG, Goldberg MS, Gonzalez-Neira A, Guenel P, Haiman CA, Hallberg E, Hamann U, Hartman M, Hollestelle A, Hopper JL, Ito H, Jakubowska A, Johnson N, Kang D, Khan S, Kosma VM, Kriege M, Kristensen V, Lambrechts D, Le Marchand L, Lee SC, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, Manoukian S, Margolin S, Matsuo K, Mayes R, McKay J, Meindl A, Milne RL, Muir K, Neuhausen SL, Nevanlinna H, Olszwold C, Orr N, Peterlongo P, Pita G, Pylkas K, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Seynaeve C, Shah M, Shen CY, Shu XO, Southey MC, Stram DO, Surowy H, Swerdlow A, Teo SH, Tessier DC, Tomlinson I, Torres D, Truong T, Vachon CM, Vincent D, Winquist R, Wu AH, Wu PE, Yip CH, Zheng W, Pharoah PD, Hall P, Edwards SL, Simard J, French JD, Chenevix-Trench G, Dunning AM. Fine scale mapping of the 17q22 breast cancer locus using dense SNPs, genotyped within the Collaborative Oncological Gene-Environment Study (COGs). *Sci Rep* 2016;6:32512

Derlin T, Weiberg D, von Klot C, Wester HJ, Henkenberens C, Ross TL, Christiansen H, Merseburger AS, Bengel FM. 68Ga-PSMA I&T PET/CT for assessment of prostate cancer: evaluation of image quality after forced diuresis and delayed imaging. *Eur Radiol* 2016;26(12):4345-4353

Dixon SC, Nagle CM, Thrift AP, Pharoah PD, Pearce CL, Zheng W, Painter JN, Chenevix-Trench AG, Fasching PA, Beckmann MW, Lambrechts D, Vergote I, Lambrechts S, Van Niewenhuysen E, Rossing MA, Doherty JA, Wicklund KG, Chang-Claude J, Rudolph A, Moysich KB, Odunsi K, Goodman MT, Wilkens LR, Thompson PJ, Shvetsov YB, Dörk T, Park-Simon TW, Hillemanns P, Bogdanova N, Butzow R, Nevanlinna H, Pelttari LM, Leminen A, Modugno F, Ness RB, Edwards RP, Kelley JL, Heitz F, Karlan BY, Kjaer SK, Hogdall E, Jensen A, Goode EL, Fridley BL, Cunningham JM, Winham SJ, Giles GG, Bruinsma F, Milne RL, Southey MC, Hildebrandt MA, Wu X, Lu KH, Liang D, Levine DA, Bisogna M, Schildkraut JM, Berchuck A, Cramer DW, Terry KL, Bandera EV, Olson SH, Salvesen HB, Thomsen LC, Kopperud RK, Bjorge L, Kiemeney LA, Massuger LF, Pejovic T, Cook LS, Le ND, Swenerton KD, Brooks-Wilson A, Kelemen LE, Lubinski J, Huzarski T, Gronwald J, Menkiszak J, Wentzensen N, Brinton L, Yang H, Lissowska J, Hogdall CK, Lundvall L, Song H, Tyrer JP, Campbell I, Eccles D, Paul J, Glasspool R, Siddiqui N, Whittemore AS, Sieh W, McGuire V, Rothstein JH, Narod SA, Phelan C, Risch HA, McLaughlin JR, Anton-Culver H, Ziogas A, Menon U, Gayther SA, Ramus SJ, Gentry-Maharaj A, Wu AH, Pike MC, Tseng CC, Kupryjanczyk J, Dansonka-Mieszkowska A, Budzilowska A, Spiewankiewicz B, Webb PM, Ovarian Cancer Association Consortium. Adult body mass index and risk of ovarian cancer by subtype: a Mendelian randomization study. *Int J Epidemiol* 2016;45(3):884-895

Dunning AM, Michailidou K, Kuchenbaecker KB, Thompson D, French JD, Beesley J, Healey CS, Kar S, Pooley KA, Lopez-Knowles E, Dicks E, Barrowdale D, Sinnott-Armstrong NA, Sallari RC, Hillman KM, Kaufmann S, Sivakumaran H, Moradi Marjaneh M, Lee JS, Hills M, Jarosz M, Drury S, Canisius S, Bolla MK, Dennis J, Wang Q, Hopper JL, Southey MC, Broeks A, Schmidt MK, Lophatananon A, Muir K, Beckmann MW, Fasching PA, Dos-Santos-Silva I, Peto J, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Flyger H, Gonzalez-Neira A, Perez JL, Anton-Culver H, Eunjung L, Arndt V, Brenner H, Meindl A, Schmutzler RK, Brauch H, Hamann U, Aittomaki K, Blomqvist C, Ito H, Matsuo K, Bogdanova N, Dörk T, Lindblom A, Margolin S, Kosma VM, Mannermaa A, Tseng CC, Wu AH, Lambrechts D, Wildiers H, Chang-Claude J, Rudolph A, Peterlongo P, Radice P, Olson JE, Giles GG, Milne RL, Haiman CA, Henderson BE, Goldberg MS, Teo SH, Yip CH, Nord S, Borresen-Dale AL, Kristensen V, Long J, Zheng W, Pylkas K, Winquist R, Andrusil IL, Knight JA, Devilee P, Seynaeve C, Figueredo J, Sherman ME, Czene K, Darabi H, Hollestelle A, van den Ouwendijk AM, Humphreys K, Gao YT, Shu XO, Cox A, Cross SS, Blot W, Cai Q, Ghoussaini M, Perkins BJ, Shah M, Choi JY, Kang D, Lee SC, Hartman M, Kabisch M, Torres D, Jakubowska A, Lubinski J, Brennan P, Sangrajrang S, Ambrosone CB, Toland AE, Shen CY, Wu PE, Orr N, Swerdlow A, McGuffog L, Healey S, Lee A, Kapuscinski M, John EM, Terry MB, Daly MB, Goldgar DE, Buys SS, Janavicius R, Tihomirova L, Tung N, Dorfling CM, van Rensburg EJ, Neuhausen SL, Ejlersen B, Hansen TV, Osorio A, Benitez J, Rando R, Weitzel JN, Bonanni B, Peissel B, Manoukian S, Papi L, Ottini L, Konstantopoulou I, Apostolou P, Garber J, Rashid MU, Frost D, EMBRACE, Izatt L, Ellis S, Godwin AK, Arnold N, Niederacher D, Rhiehm K, Bogdanova-Markov N, Sagne C, Stoppa-Lyonnet D, Damiola F, GEMO Study Collaborators, Sinilnikova OM, Mazoyer S, Isaacs C, Claes KB, De Leeneer K, de la Hoya M, Caldes T, Nevanlinna H, Khan S, Mensenkamp AR, HEBON, Hooning MJ, Rookus MA, Kwong A, Olah E, Diez O, Brunet J, Pujana MA, Gronwald J, Huzarski T, Barkardottir RB, Laframboise R, Soucy P, Montagna M, Agata S, Teixeira MR, kConFab Investigators, Park SK, Lindor N, Couch FJ, Tischkowitz M, Foretova L, Vijai J, Offit K, Singer CF, Rappaport C, Phelan CM, Greene MH, Mai PL, Rennert G, Ilyanitov EN, Hulick PJ, Phillips KA, Piedmonte M, Mulligan AM, Glendon G, Bojesen A, Thomassen M, Caligo MA, Yoon SY, Friedman E, Laitman Y, Borg A, von Wachenfeldt A, Ehrencrona H, Rantala J, Olopade OI, Ganz PA, Nussbaum RL, Gayther SA, Nathanson KL, Domchek SM, Arun BK, Mitchell G, Karlan BY, Lester J, Maskarinec G, Woolcott C, Scott C, Stone J, Apicella C, Tamimi R, Luben R, Khaw KT, Helland A, Haakensen V, Dowsett M, Pharoah PD, Simard J, Hall P, Garcia-Closas M, Vachon C, Chenevix-Trench G, Antoniou AC, Easton DF, Edwards SL. Breast cancer risk variants at 6q25 display different phenotype associations and regulate ESR1, RMND1 and CCDC170. *Nat Genet* 2016;48(4):374-386

Easton DF, Lesueur F, Decker B, Michailidou K, Li J, Allen J, Luccarini C, Pooley KA, Shah M, Bolla MK, Wang Q, Dennis J, Ahmad J, Thompson ER, Damiola F, Pertesi M, Voegeli C, Mebirouk N, Robinet N, Durand G, Forey N, Luben RN, Ahmed S, Aittomaki K, Anton-Culver H, Arndt V, Australian Ovarian Cancer Study Group, Baynes C, Beckman MW, Benitez J, Van Den Berg D, Blot WJ, Bogdanova NV, Bojesen SE, Brenner H, Chang-Claude J, Chia KS, Choi JY, Conroy DM, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Eriksson M,

Fasching PA, Figueroa J, Flyger H, Fostira F, Garcia-Closas M, Giles GG, Glendon G, Gonzalez-Neira A, Guenel P, Haiman CA, Hall P, Hart SN, Hartman M, Hooning MJ, Hsiung CN, Ito H, Jakubowska A, James PA, John EM, Johnson N, Jones M, Kabisch M, Kang D, kConFab Investigators, Kosma VM, Kristensen V, Lambrechts D, Li N, Lifepool Investigators, Lindblom A, Long J, Lophatananon A, Lubinski J, Mannermaa A, Manoukian S, Margolin S, Matsuo K, Meindl A, Mitchell G, Muir K, NBCS Investigators, Nevelsteen I, van den Ouweland A, Peterlongo P, Phuah SY, Pylkas K, Rowley SM, Sangrajrang S, Schmutzler RK, Shen CY, Shu XO, Southey MC, Surowy H, Swerdlow A, Teo SH, Tollenaar RA, Tomlinson I, Torres D, Truong T, Vachon C, Verhoef S, Wong-Brown M, Zheng W, Zheng Y, Nevanlinna H, Scott RJ, Andrusilis IL, Wu AH, Hopper JL, Couch FJ, Winquist R, Burwinkel B, Sawyer EJ, Schmidt MK, Rudolph A, Dörk T, Brauch H, Hamann U, Neuhausen SL, Milne RL, Fletcher O, Pharoah PD, Campbell IG, Dunning AM, Le Calvez-Kelm F, Goldgar DE, Tavtigian SV, Chenevix-Trench G. No evidence that protein truncating variants in BRIP1 are associated with breast cancer risk: implications for gene panel testing. *J Med Genet* 2016;53(5):298-309

Ghoussaini M, French JD, Michailidou K, Nord S, Beesley J, Canisus S, Hillman KM, Kaufmann S, Sivakumaran H, Moradi Marjaneh M, Lee JS, Dennis J, Bolla MK, Wang Q, Dicks E, Milne RL, Hopper JL, Southey MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Fletcher O, Johnson N, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Flyger H, Benitez J, Gonzalez-Neira A, Alonso MR, Pita G, Neuhausen SL, Anton-Culver H, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Hamann U, Tessier DC, Vincent D, Nevanlinna H, Khan S, Matsuo K, Ito H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, kConFab/AOCS Investigators, Wu AH, Van Den Berg D, Lambrechts D, Floris G, Chang-Claude J, Rudolph A, Radice P, Barile M, Couch FJ, Hallberg E, Giles GG, Haiman CA, Le Marchand L, Goldberg MS, Teo SH, Yip CH, Borresen-Dale AL, NBCS Collaborators, Zheng W, Cai Q, Winquist R, Pylkas K, Andrusilis IL, Devilee P, Tollenaar RA, Garcia-Closas M, Figueroa J, Hall P, Czene K, Brand JS, Darabi H, Eriksson M, Hooning MJ, Koppert LB, Li J, Shu XO, Zheng Y, Cox A, Cross SS, Shah M, Rhenius V, Choi JY, Kang D, Hartman M, Chia KS, Kabisch M, Torres D, Lucarini C, Conroy DM, Jakubowska A, Lubinski J, Sangrajrang S, Brennan P, Olszwold C, Slager S, Shen CY, Hou MF, Swerdlow A, Schoemaker MJ, Simard J, Pharoah PD, Kristensen V, Chenevix-Trench G, Easton DF, Dunning AM, Edwards SL. Evidence that the 5p12 Variant rs10941679 Confers Susceptibility to Estrogen Receptor-Positive Breast Cancer through FGF10 and MRPS30 Regulation. *Am J Hum Genet* 2016;99(4):903-911

Guo Y, Warren Andersen S, Shu XO, Michailidou K, Bolla MK, Wang Q, Garcia-Closas M, Milne RL, Schmidt MK, Chang-Claude J, Dunning A, Bojesen SE, Ahsan H, Aittomaki K, Andrusilis IL, Anton-Culver H, Arndt V, Beckmann MW, Beeghly-Fadiel A, Benitez J, Bogdanova NV, Bonanni B, Borresen-Dale AL, Brand J, Brauch H, Brenner H, Bruning T, Burwinkel B, Casey G, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Devilee P, Dörk T, Dumont M, Fasching PA, Figueroa J, Flesch-Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guenel P, Haiman CA, Hamann U, Hooning MJ, Hopper JL, Jakubowska A, Jasmine F, Jenkins M, John EM, Johnson N, Jones ME, Kabisch M, Kibriya M, Knight JA, Koppert LB, Kosma VM, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Luben R, Lubinski J, Malone KE, Mannermaa A, Margolin S, Marme F, McLean C, Meijers-Heijboer H, Meindl A, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perez JI, Perkins B, Peterlongo P, Phillips KA, Pylkas K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Seynaeve C, Shah M, Shrubsole MJ, Southey MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoef S, Whittemore AS, Winquist R, Zhao H, Zhao S, Hall P, Simard J, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Genetically Predicted Body Mass Index and Breast Cancer Risk: Mendelian Randomization Analyses of Data from 145,000 Women of European Descent. *PLoS Med* 2016;13(8):e1002105

Gutzmer R, Christiansen H. Reduziertes Rezidivrisiko im Bestrahlungsareal durch adjuvante Strahlentherapie bei lymphogen metastasierten malignen Melanomen mit hohem regionärem Rezidivrisiko. *Strahlenther Onkol* 2016;192(3):190-192

Hamdi Y, Soucy P, Adoue V, Michailidou K, Canisius S, Lemacon A, Droit A, Andrusilis IL, Anton-Culver H, Arndt V, Baynes C, Blomqvist C, Bogdanova NV, Bojesen SE, Bolla MK, Bonanni B, Borresen-Dale AL, Brand J, Brauch H, Brenner H, Broeks A, Burwinkel B, Chang-Claude J, NBCS C, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Dennis J, Devilee P, Dörk T, Dos-Santos-Silva I, Eriksson M, Fasching PA, Figueroa J, Flyger H, Garcia-Closas M, Giles GG, Goldberg MS, Gonzalez-Neira A, Grenaker-Alnaes G, Guenel P, Haeberle L, Haiman CA, Hamann U, Hallberg E, Hooning MJ, Hopper JL, Jakubowska A, Jones M, Kabisch M, Kataja V, Lambrechts D, Le Marchand L, Lindblom A, Lubinski J, Mannermaa A, Maranian M, Margolin S, Marme F, Milne RL, Neuhausen SL, Nevanlinna H, Neven P, Olszwold C, Peto J, Plasencia-Karanfilska D, Pylkas K, Radice P, Rudolph A, Sawyer EJ, Schmidt MK, Shu XO, Southey MC, Swerdlow A, Tollenaar RA, Tomlinson I, Torres D, Truong T, Vachon C, Van Den Ouweland AM, Wang Q, Winquist R, kConFab/AoCS I, Zheng W, Benitez J, Chenevix-Trench G, Dunning AM, Pharoah PD, Kristensen V, Hall P, Easton DF, Pastinen T, Nord S, Simard J. Association of breast cancer risk with genetic variants showing differential allelic expression: Identification of a novel breast cancer susceptibility locus at 4q21. *Oncotarget* 2016;7(49):80140-80163

Henkenberens C, Janssen S, Lavae-Mokhtari M, Leni K, Meyer A, Christiansen H, Bremer M, Dickgreber N. Inhalative steroids as an individual treatment in symptomatic lung cancer patients with radiation pneumonitis grade II after radiotherapy - a single-centre experience. *Radiat Oncol* 2016;11:12

Henkenberens C, Toklu H, Tamme C, Bruns F. Clinical Value of Squamous Cell Carcinoma Antigen (SCCAg) in Anal Cancer - A Single-Center Retrospective Analysis. *Anticancer Res* 2016;36(6):3173-3177

Henkenberens C, von Klot CA, Ross TL, Bengel FM, Wester HJ, Merseburger AS, Vogel-Claussen J, Christiansen H, Derlin T. (68)Ga-PSMA-PET/CT-basierte Strahlentherapie beim lokal rezidivierten und oligometastasierten Prostatakarzinom : Frühe Effektivität nach Primärtherapie. *Strahlenther Onkol* 2016;192(7):431-439

Henkenberens C, Zinne N, Biancosino C, Höffler K, Schmitto JD, Bremer M, Haverich A, Krüger M. A new era of thoracic oncology? Ex-vivo stereotactic ablative radiosurgery within Ex-vivo Lung Treatment System as a hybrid therapy for unresectable locally advanced pulmonary malignancies. *Med Hypotheses* 2016;92:31-34

Hermann RM, Bulling E, Kaltenborn A, Carl UM, Nitsche M. Effektivität der perkutanen Hochvoltbestrahlung bei schmerzhaften degenerativen skeletomuskulären Erkrankungen: klinische Therapieergebnisse in einem unselektierten Patientenkollektiv. *Nuklearmediziner* 2016;39(1):57-63

Hermann RM, Christiansen H. Deeskalation der Radiochemotherapie bei prognostisch günstigen HPV-assoziierten Plattenepithelkarzinomen des Oropharynx. *Strahlenther Onkol* 2016;192(4):273-275

Hermann RM, Christiansen H. Kurative perkutane Strahlentherapie des Prostatakarzinoms. *Der Onkologe* 2016;22(7):511-524

Hermann RM, Christiansen H. Restaging-PET-CT nach Radiochemotherapie kann Patienten mit fortgeschrittenen HNO-Karzinomen die elektive Neck-Dissektion ersparen, sofern sie eine komplette Remission zeigen. *Strahlenther Onkol* 2016;192(8):589-591

Hermann RM, Christiansen H. Salvage-Radiotherapie mit oder ohne Kurzzeit-Antihormonbehandlung beim PSA-Rezidiv. *Strahlenther Onkol* 2016;192(10):741-744

Horne HN, Chung CC, Zhang H, Yu K, Prokunina-Olsson L, Michailidou K, Bolla MK, Wang Q, Dennis J, Hopper JL, Soutey MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Fletcher O, Johnson N, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Flyger H, Benitez J, Gonzalez-Neira A, Anton-Culver H, Neuhausen SL, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Hamann U, Nevanlinna H, Khan S, Matsuo K, Iwata H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, Chenevix-Trench G, kConFab/AOCS Investigators, Wu AH, Ven den Berg D, Smeets A, Zhao H, Chang-Claude J, Rudolph A, Radice P, Barile M, Couch FJ, Vachon C, Giles GG, Milne RL, Haiman CA, Marchand LL, Goldberg MS, Teo SH, Taib NA, Kristensen V, Borresen-Dale AL, Zheng W, Shrubsole M, Winquist R, Jukkola-Vuorinen A, Andrusis IL, Knight JA, Devilee P, Seynaeve C, Garcia-Closas M, Czene K, Darabi H, Hollestelle A, Martens JW, Li J, Lu W, Shu XO, Cox A, Cross SS, Blot W, Cai Q, Shah M, Luccarini C, Baynes C, Harrington P, Kang D, Choi JY, Hartman M, Chia KS, Kabisch M, Torres D, Jakubowska A, Lubinski J, Sangrajrang S, Brennan P, Slager S, Yannoukakos D, Shen CY, Hou MF, Swerdlow A, Orr N, Simard J, Hall P, Pharoah PD, Easton DF, Chanock SJ, Dunning AM, Figueroa JD. Fine-Mapping of the 1p11.2 Breast Cancer Susceptibility Locus. *PLoS One* 2016;11(8):e0160316

Kaltenborn A, Bulling E, Nitsche M, Carl UM, Hermann RM. Relevanz der Feldgröße in der Reizbestrahlung bei Rhizarthrose : Relevanz der Feldgröße *Strahlenther Onkol* 2016;192(8):582-588

Kaltenborn A, Carl UM, Hinsche T, Nitsche M, Hermann RM. Niedrig dosierte Reizbestrahlung beim Trochanter-major-Schmerzsyndrom : Zielvolumendefinition und Therapieergebnisse *Strahlenther Onkol* 2017;193(4):260-268

Kar SP, Adler E, Tyrer J, Hazelett D, Anton-Culver H, Bandera EV, Beckmann MW, Berchuck A, Bogdanova N, Brinton L, Butzow R, Campbell I, Carty K, Chang-Claude J, Cook LS, Cramer DW, Cunningham JM, Dansonka-Mieszkowska A, Doherty JA, Dörk T, Durst M, Eccles D, Fasching PA, Flanagan J, Gentry-Maharaj A, Glasspool R, Goode EL, Goodman MT, Gronwald J, Heitz F, Hildebrandt MA, Hogdall E, Hogdall CK, Huntsman DG, Jensen A, Karlan BY, Kelemen LE, Kiemeneij LA, Kjaer SK, Kupryjanczyk J, Lambrechts D, Levine DA, Li Q, Lissowska J, Lu KH, Lubinski J, Massuger LF, McGuire V, McNeish I, Menon U, Modugno F, Monteiro AN, Moysich KB, Ness RB, Nevanlinna H, Paul J, Pearce CL, Pejovic T, Permutt JB, Phelan C, Pike MC, Poole EM, Ramus SJ, Risch HA, Rossing MA, Salvesen HB, Schildkraut JM, Sellers TA, Sherman M, Siddiqui N, Sieh W, Song H, Soutey MC, Terry KL, Tworoger SS, Walsh C, Wentzensen N, Whittemore AS, Wu AH, Yang H, Zheng W, Ziogas A, Freedman ML, Gayther SA, Pharoah PD, Lawrenson K. Enrichment of putative PAX8 target genes at serous epithelial ovarian cancer susceptibility loci. *Br J Cancer* 2017;116(4):524-535

Kar SP, Beesley J, Amin Al Olama A, Michailidou K, Tyrer J, Kote-Jarai Z, Lawrenson K, Lindstrom S, Ramus SJ, Thompson DJ, ABCTB Investigators, Kibel AS, Dansonka-Mieszkowska A, Michael A, Dieffenbach AK, Gentry-Maharaj A, Whittemore AS, Wolk A, Monteiro A, Peixoto A, Kierzek A, Cox A, Rudolph A, Gonzalez-Neira A, Wu AH, Lindblom A, Swerdlow A, AOCS Study Group & Australian Cancer Study (Ovarian Cancer), APCB BioResource, Ziogas A, Ekici AB, Burwinkel B, Karlan BY, Nordsgaard BG, Blomqvist C, Phelan C, McLean C, Pearce CL, Vachon C, Cybulski C, Slavov C, Stegmaier C, Maier C, Ambrosone CB, Hogdall CK, Teerlink CC, Kang D, Tessier DC, Schaid DJ, Stram DO, Cramer DW, Neal DE, Eccles D, Flesch-Janys D, Edwards DR, Wokozorczyk D, Levine DA, Yannoukakos D, Sawyer EJ, Bandera EV, Poole EM, Goode EL, Khusnutdinova E, Hogdall E, Song F, Bruinsma F, Heitz F, Modugno F, Hamdy FC, Wiklund F, Giles GG, Olsson H, Wildiers H, Ulmer HU, Pandha H, Risch HA, Darabi H, Salvesen HB, Nevanlinna H, Gronberg H, Brenner H, Brauch H, Anton-Culver H, Song H, Lim HY, McNeish I, Campbell I, Vergote I, Gronwald J, Lubinski J, Stanford JL, Benitez J, Doherty JA, Permutt JB, Chang-Claude J, Donovan JL, Dennis J, Schildkraut JM, Schleutker J, Hopper JL, Kupryjanczyk J, Park JY, Figueroa J, Clements JA, Knight JA, Peto J, Cunningham JM, Pow-Sang J, Batra J, Czene K, Lu KH, Herkommer K, Khaw KT, kConFab Investigators, Matsuo K, Muir K, Offitt K, Chen K, Moysich KB, Aittomaki K, Odunsi K, Kiemeneij LA, Massuger LF, Fitzgerald LM, Cook LS, Cannon-Albright L, Hooning MJ, Pike MC, Bolla MK, Luedke M, Teixeira MR, Goodman MT, Schmidt MK, Riggan M, Aly M, Rossing MA, Beckmann MW, Moisse M, Sanderson M, Soutey MC, Jones M, Lush M, Hildebrandt MA, Hou MF, Schoemaker MJ, Garcia-Closas M, Bogdanova N, Rahman N, NBCS Investigators, Le ND, Orr N, Wentzensen N, Pashayan N, Peterlongo P, Guenel P, Brennan P, Paulo P, Webb PM, Broberg P, Fasching PA, Devilee P, Wang Q, Cai Q, Li Q, Kaneva R, Butzow R, Kopperud RK, Schmutzler RK, Stephenson RA, MacLennan RJ, Hoover RN, Winquist R, Ness R,

Milne RL, Travis RC, Benlloch S, Olson SH, McDonnell SK, Tworoger SS, Maia S, Berndt S, Lee SC, Teo SH, Thibodeau SN, Bojesen SE, Gapstur SM, Kjaer SK, Pejovic T, Tammela TL, GENICA Network, PRACTICAL consortium, Dörk T, Bruning T, Wahlfors T, Key TJ, Edwards TL, Menon U, Hamann U, Mitev V, Kosma VM, Setiawan VW, Kristensen V, Arndt V, Vogel W, Zheng W, Sieh W, Blot WJ, Kluzniak W, Shu XO, Gao YT, Schumacher F, Freedman ML, Berchuck A, Dunning AM, Simard J, Haiman CA, Spurdle A, Sellers TA, Hunter DJ, Henderson BE, Kraft P, Chanock SJ, Couch FJ, Hall P, Gayther SA, Easton DF, Chenevix-Trench G, Eeles R, Pharoah PD, Lambrechts D. Genome-Wide Meta-Analyses of Breast, Ovarian, and Prostate Cancer Association Studies Identify Multiple New Susceptibility Loci Shared by at Least Two Cancer Types. *Cancer Discov* 2016;6(9):1052-1067

Klement RJ, Allgäuer M, Andratschke N, Blanck O, Boda-Heggemann J, Dieckmann K, Duma M, Ernst I, Flentje M, Ganswindt U, Hass P, Henkenberens C, Imhoff D, Kahl HK, Krempien R, Lohaus F, Nestle U, Nevinny-Stickel M, Petersen C, Schmitt V, Semrau S, Sterzing F, Streblow J, Wendt TG, Wittig A, Guckenberger M. Bayesian Cure Rate Modeling of Local Tumor Control: Evaluation in Stereotactic Body Radiation Therapy for Pulmonary Metastases. *Int J Radiat Oncol Biol Phys* 2016;94(4):841-849

Kontny U, Franzen S, Behrends U, Bührlen M, Christiansen H, Delecluse H, Eble M, Feuchtinger T, Gademann G, Granzen B, Kratz CP, Lassay L, Leuschner I, Mottaghy FM, Schmitt C, Staatz G, Timmermann B, Vorwerk P, Wilop S, Wolff HA, Mertens R. Diagnose und Behandlung des Nasopharynxkarzinoms bei Kindern und Jugendlichen - Empfehlungen der GPOH-NPC Studiengruppe. *Klin Padiatr* 2016;228(3):105-112

Langer T, Kaatsch P, Steinmann D, Calaminus G. Complications in later life from childhood tumors. *Der Onkologe* 2016;22(12):970-977

Liu J, Loncar I, Collee JM, Bolla MK, Dennis J, Michailidou K, Wang Q, Andrusil IL, Barile M, Beckmann MW, Behrens S, Benitez J, Blomqvist C, Boeckx B, Bogdanova NV, Bojesen SE, Brauch H, Brennan P, Brenner H, Broeks A, Burwinkel B, Chang-Claude J, Chen ST, Chenevix-Trench G, Cheng CY, Choi JY, Couch FJ, Cox A, Cross SS, Cuk K, Czene K, Dörk T, Dos-Santos-Silva I, Fasching PA, Figueroa J, Flyger H, Garcia-Closas M, Giles GG, Glendon G, Goldberg MS, Gonzalez-Neira A, Guenel P, Haiman CA, Hamann U, Hart SN, Hartman M, Hatse S, Hopper JL, Ito H, Jakubowska A, Kabisch M, Kang D, Kosma VM, Kristensen VN, Le Marchand L, Lee E, Li J, Lophatananon A, Jan L, Mannermaa A, Matsuo K, Milne RL, NBCS Collaborators, Neuhausen SL, Nevanlinna H, Orr N, Perez JI, Peto J, Putti TC, Pylkas K, Radice P, Sangrajrang S, Sawyer EJ, Schmidt MK, Schneeweiss A, Shen CY, Shrubsall MJ, Shu XO, Simard J, Southey MC, Swerdlow A, Teo SH, Tessier DC, Thanasiitthichai S, Tomlinson I, Torres D, Truong T, Tseng CC, Vachon C, Winquist R, Wu AH, Yannoukakos D, Zheng W, Hall P, Dunning AM, Easton DF, Hoornung MJ, van den Ouweland AM, Martens JW, Hollestelle A. rs2735383, located at a microRNA binding site in the 3'UTR of NBS1, is not associated with breast cancer risk. *Sci Rep* 2016;6:36874

Maleva Kostovska I, Wang J, Bogdanova N, Schürmann P, Bhaju S, Geffers R, Dürst M, Liebrich C, Klapdor R, Christiansen H, Park-Simon TW, Hillemanns P, Plaseska-Karanfilska D, Dörk T. Rare ATAD5 missense variants in breast and ovarian cancer patients. *Cancer Lett* 2016;376(1):173-177

Muranen TA, Greco D, Blomqvist C, Aittomaki K, Khan S, Hogervorst F, Verhoef S, Pharoah PD, Dunning AM, Shah M, Luben R, Bojesen SE, Nordestgaard BG, Schoemaker M, Swerdlow A, Garcia-Closas M, Figueroa J, Dörk T, Bogdanova NV, Hall P, Li J, Khusnutdinova E, Bermisheva M, Kristensen V, Borresen-Dale AL, Investigators N, Peto J, Dos Santos Silva I, Couch FJ, Olson JE, Hillemans P, Park-Simon TW, Brauch H, Hamann U, Burwinkel B, Marmer F, Meindl A, Schmutzler RK, Cox A, Cross SS, Sawyer EJ, Tomlinson I, Lambrechts D, Moisse M, Lindblom A, Margolin S, Hollestelle A, Martens JW, Fasching PA, Beckmann MW, Andrusil IL, Knight JA, Investigators K, Anton-Culver H, Ziogas A, Giles GG, Milne RL, Brenner H, Arndt V, Mannermaa A, Kosma VM, Chang-Claude J, Rudolph A, Devilee P, Seynaeve C, Hopper JL, Southey MC, John EM, Whittemore AS, Bolla MK, Wang Q, Michailidou K, Dennis J, Easton DF, Schmidt MK, Nevanlinna H. Genetic modifiers of CHEK2\*1100delC-associated breast cancer risk. *Genet Med* 2017;19(5):599-603

Ong JS, Cuellar-Partida G, Lu Y, Ovarian Cancer Study A, Fasching PA, Hein A, Burghaus S, Beckmann MW, Lambrechts D, Van Nie wenhuysen E, Vergote I, Vanderstichele A, Anne Doherty J, Anne Rossing M, Chang-Claude J, Eilber U, Rudolph A, Wang-Gohrke S, Goodman MT, Bogdanova N, Dörk T, Durst M, Hillemanns P, Runnebaum IB, Antonenkova N, Butzow R, Leminen A, Nevanlinna H, Pelttari LM, Edwards RP, Kelley JL, Modugno F, Moysich KB, Ness RB, Cannioto R, Hogdall E, Hogdall CK, Jensen A, Giles GG, Bruinsma F, Kjaer SK, Hildebrandt MA, Liang D, Lu KH, Wu X, Bisogna M, Dao F, Levine DA, Cramer DW, Terry KL, Tworoger SS, Stampfer M, Missmer S, Bjorge L, Salvesen HB, Kopperud RK, Bischof K, Aben KK, Kiemeney LA, Massuger LF, Brooks-Wilson A, Olson SH, McGuire V, Rothstein JH, Sieh W, Whittemore AS, Cook LS, Le ND, Blake Gilks C, Gronwald J, Jakubowska A, Lubinski J, Kluz T, Song H, Tyrer JP, Wentzensen N, Brinton L, Trabert B, Lissowska J, McLaughlin JR, Narod SA, Phelan C, Anton-Culver H, Ziogas A, Eccles D, Campbell I, Gayther SA, Gentry-Maharaj A, Menon U, Ramus SJ, Wu AH, Dansonka-Mieszkowska A, Kupryjanczyk J, Timorek A, Szafron L, Cunningham JM, Fridley BL, Winham SJ, Bandera EV, Poole EM, Morgan TK, Risch HA, Goode EL, Schildkraut JM, Pearce CL, Berchuck A, Pharoah PD, Chenevix-Trench G, Gharahkhani P, Neale RE, Webb PM, MacGregor S. Association of vitamin D levels and risk of ovarian cancer: a Mendelian randomization study. *Int J Epidemiol* 2016;45(5):1619-1630

Pelttari LM, Khan S, Vuorela M, Kiiski JI, Vilske S, Nevanlinna V, Ranta S, Schleutker J, Winquist R, Kallioniemi A, Dörk T, Bogdanova NV, Figueroa J, Pharoah PD, Schmidt MK, Dunning AM, Garcia-Closas M, Bolla MK, Dennis J, Michailidou K, Wang Q, Hopper JL, Southey MC, Rosenberg EH, Fasching PA, Beckmann MW, Peto J, Dos-Santos-Silva I, Sawyer EJ, Tomlinson I, Burwinkel B, Surowy H, Guenel P, Truong T, Bojesen SE, Nordestgaard BG, Benitez J, Gonzalez-Neira A, Neuhausen SL, Anton-Culver H, Brenner H, Arndt V, Meindl A, Schmutzler RK, Brauch H, Bruning T, Lindblom A, Margolin S, Mannermaa A, Hartikainen JM, Chenevix-Trench G, kConFab/AOCS Investigators, Van

Dyck L, Janssen H, Chang-Claude J, Rudolph A, Radice P, Peterlongo P, Hallberg E, Olson JE, Giles GG, Milne RL, Haiman CA, Schumacher F, Simard J, Dumont M, Kristensen V, Borresen-Dale AL, Zheng W, Beeghly-Fadiel A, Grip M, Andrusil IL, Glendon G, Devilee P, Seynaeve C, Hooning MJ, Collee M, Cox A, Cross SS, Shah M, Luben RN, Hamann U, Torres D, Jakubowska A, Lubinski J, Couch FJ, Yannoukakos D, Orr N, Swerdlow A, Darabi H, Li J, Czene K, Hall P, Easton DF, Mattson J, Blomqvist C, Aittomaki K, Nevanlinna H. RAD51B in Familial Breast Cancer. *PLoS One* 2016;11(5):e0153788

Permuth JB, Reid B, Earp M, Chen YA, Monteiro AN, Chen Z, Aocs Study G, Chenevix-Trench G, Fasching PA, Beckmann MW, Lambrechts D, Vanderstichele A, Van Nieuwenhuysse E, Vergote I, Rossing MA, Doherty JA, Chang-Claude J, Moysich K, Odunsi K, Goodman MT, Shvetsov YB, Wilkens LR, Thompson PJ, Dörk T, Bogdanova N, Butzow R, Nevanlinna H, Pelttari L, Leminen A, Modugno F, Edwards RP, Ness RB, Kelley J, Heitz F, Karlan B, Lester J, Kjaer SK, Jensen A, Giles G, Hildebrandt M, Liang D, Lu KH, Wu X, Levine DA, Bisogna M, Berchuck A, Cramer DW, Terry KL, Tworoger SS, Poole EM, Bandera EV, Fridley B, Cunningham J, Winham SJ, Olson SH, Orlow I, Bjorge L, Kiemeney LA, Massuger L, Pejovic T, Moffitt M, Le N, Cook LS, Brooks-Wilson A, Kelemen LE, Gronwald J, Lubinski J, Wentzensen N, Brinton LA, Lissowska J, Yang H, Hogdall E, Hogdall C, Lundvall L, Pharoah PD, Song H, Campbell I, Eccles D, McNeish I, Whittemore A, McGuire V, Sieh W, Rothstein J, Phelan CM, Risch H, Narod S, McLaughlin J, Anton-Culver H, Ziogas A, Menon U, Gayther S, Ramus SJ, Gentry-Maharaj A, Pearce CL, Wu AH, Kupryjanczyk J, Dansonka-Mieszkowska A, Schildkraut JM, Cheng JQ, Goode EL, Sellers TA. Inherited variants affecting RNA editing may contribute to ovarian cancer susceptibility: results from a large-scale collaboration. *Oncotarget* 2016;7(45):72381-72394

Petridis C, Brook MN, Shah V, Kohut K, Gorman P, Caneppele M, Levi D, Papouli E, Orr N, Cox A, Cross SS, Dos-Santos-Silva I, Peto J, Swerdlow A, Schoemaker MJ, Bolla MK, Wang Q, Dennis J, Michailidou K, Benitez J, Gonzalez-Neira A, Tessier DC, Vincent D, Li J, Figueiredo J, Kristensen V, Borresen-Dale AL, Soucy P, Simard J, Milne RL, Giles GG, Margolin S, Lindblom A, Bruning T, Brauch H, Southey MC, Hopper JL, Dörk T, Bogdanova NV, Kabisch M, Hamann U, Schmutzler RK, Meindl A, Brenner H, Arndt V, Winquist R, Pylkas K, Fasching PA, Beckmann MW, Lubinski J, Jakubowska A, Mulligan AM, Andrusil IL, Tollenaar RA, Devilee P, Le Marchand L, Haiman CA, Mannermaa A, Kosma VM, Radice P, Peterlongo P, Marmer F, Burwinkel B, van Deurzen CH, Hollestelle A, Miller N, Kerin MJ, Lambrechts D, Floris G, Wesseling J, Flyger H, Bojesen SE, Yao S, Ambrosone CB, Chenevix-Trench G, Truong T, Guenel P, Rudolph A, Chang-Claude J, Nevanlinna H, Blomqvist C, Czene K, Brand JS, Olson JE, Couch FJ, Dunning AM, Hall P, Easton DF, Pharoah PD, Pinder SE, Schmidt MK, Tomlinson I, Roylance R, Garcia-Closas M, Sawyer EJ. Genetic predisposition to ductal carcinoma in situ of the breast. *Breast Cancer Res* 2016;18(1):22

Pharoah PD, Song H, Dicks E, Intermaggio MP, Harrington P, Baynes C, Alsop K, Australian Ovarian Cancer Study Group, Bogdanova N, Cicek MS, Cunningham JM, Fridley BL, Gentry-Maharaj A, Hillemanns P, Lele S, Lester J, McGuire V, Moysich KB, Poblete S, Sieh W, Sucheston-Campbell L, Widschwendter M, Ovarian Cancer Association Consortium, Whittemore AS, Dörk T, Menon U, Odunsi K, Goode EL, Karlan BY, Bowtell DD, Gayther SA, Ramus SJ. PPM1D Mosaic Truncating Variants in Ovarian Cancer Cases May Be Treatment-Related Somatic Mutations *J Natl Cancer Inst* 2016;108(3):DOI: 10.1093/jnci/djv347

Pixberg C, Koch R, Eich HT, Martinsson U, Kristensen I, Matuschek C, Kortmann RD, Pohl F, Elsayad K, Christiansen H, Willich N, Lindh J, Steinmann D. Acute Toxicity Grade 3 and 4 After Irradiation in Children and Adolescents: Results From the IPPARCA Collaboration. *Int J Radiat Oncol Biol Phys* 2016;94(4):792-799

Rieber J, Abbassi-Senger N, Adebahr S, Andratschke N, Blanck O, Duma M, Eble MJ, Ernst I, Flentje M, Gerum S, Hass P, Henkenberens C, Hildebrandt G, Imhoff D, Kahl H, Klass ND, Krempien R, Lohaus F, Lohr F, Petersen C, Schrade E, Streblow J, Uhlmann L, Wittig A, Sterzing F, Guckenberger M. Influence of Institutional Experience and Technological Advances on Outcome of Stereotactic Body Radiation Therapy for Oligometastatic Lung Disease. *Int J Radiat Oncol Biol Phys* 2016;DOI: 10.1016/j.ijrobp.2016.09.026

Rieber J, Streblow J, Uhlmann L, Flentje M, Duma M, Ernst I, Blanck O, Wittig A, Boda-Heggemann J, Krempien R, Lohaus F, Klass ND, Eble MJ, Imhoff D, Kahl H, Petersen C, Gerum S, Henkenberens C, Adebahr S, Hass P, Schrade E, Wendt TG, Hildebrandt G, Andratschke N, Sterzing F, Guckenberger M. Stereotactic body radiotherapy (SBRT) for medically inoperable lung metastases-A pooled analysis of the German working group "stereotactic radiotherapy". *Lung Cancer* 2016;97:51-58

Schmidt MK, Hogervorst F, van Hien R, Cornelissen S, Broeks A, Adank MA, Meijers H, Waisfisz Q, Hollestelle A, Schutte M, van den Ouwehand A, Hooning M, Andrusil IL, Anton-Culver H, Antonenkov NN, Antoniou AC, Arndt V, Bermisheva M, Bogdanova NV, Bolla MK, Brauch H, Brenner H, Bruning T, Burwinkel B, Chang-Claude J, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Dunning AM, Fasching PA, Figueiredo J, Fletcher O, Flyger H, Galle E, Garcia-Closas M, Giles GG, Haeberle L, Hall P, Hillemanns P, Hopper JL, Jakubowska A, John EM, Jones M, Khusnutdinova E, Knight JA, Kosma VM, Kristensen V, Lee A, Lindblom A, Lubinski J, Mannermaa A, Margolin S, Meindl A, Milne RL, Muranen TA, Newcomb PA, Offit K, Park-Simon TW, Peto J, Pharoah PD, Robson M, Rudolph A, Sawyer EJ, Schmutzler RK, Seynaeve C, Soens J, Southey MC, Spurdle AB, Surowy H, Swerdlow A, Tollenaar RA, Tomlinson I, Trentham-Dietz A, Vachon C, Wang Q, Whittemore AS, Ziogas A, van der Kolk L, Nevanlinna H, Dörk T, Bojesen S, Easton DF. Age- and Tumor Subtype-Specific Breast Cancer Risk Estimates for CHEK2\*1100delC Carriers. *J Clin Oncol* 2016;34(23):2750-2760

Shi J, Zhang Y, Zheng W, Michailidou K, Ghoussaini M, Bolla MK, Wang Q, Dennis J, Lush M, Milne RL, Shu XO, Beesley J, Kar S, Andrusil IL, Anton-Culver H, Arndt V, Beckmann MW, Zhao Z, Guo X, Benitez J, Beeghly-Fadiel A, Blot W, Bogdanova NV, Bojesen SE, Brauch H, Brenner H, Brinton L, Broeks A, Bruning T, Burwinkel B, Cai H, Canisius S, Chang-Claude J, Choi JY, Couch FJ, Cox A, Cross SS, Czene K, Darabi H, Devilee P, Droit A, Dörk T, Fasching PA, Fletcher O, Flyger H, Fostira F, Gaborieau V, Garcia-Closas M, Giles GG, Grip M, Guenel P, Haiman CA, Hamann U, Hartman M, Miao H, Hollestelle A, Hopper JL, Hsiung CN, Investigators K, Ito H, Jakubowska A, Johnson N,

Torres D, Kabisch M, Kang D, Khan S, Knight JA, Kosma VM, Lambrechts D, Li J, Lindblom A, Lophatananon A, Lubinski J, Mannermaa A, Manoukian S, Le Marchand L, Margolin S, Marme F, Matsuo K, McLean C, Meindl A, Muir K, Neuhausen SL, Nevanlinna H, Nord S, Borresen-Dale AL, Olson JE, Orr N, van den Ouweland AM, Peterlongo P, Choudary Putti T, Rudolph A, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Shen CY, Hou MF, Shrubsole MJ, Southey MC, Swerdlow A, Hwang Teo S, Thienpont B, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tseng CC, Wen W, Winqvist R, Wu AH, Har Yip C, Zamora PM, Zheng Y, Floris G, Cheng CY, Hooning MJ, Martens JW, Seynaeve C, Kristensen VN, Hall P, Pharoah PD, Simard J, Chenevix-Trench G, Dunning AM, Antoniou AC, Easton DF, Cai Q, Long J. Fine-scale mapping of 8q24 locus identifies multiple independent risk variants for breast cancer. *Int J Cancer* 2016;139(6):1303-1317

Southey MC, Goldgar DE, Wingqvist R, Pylkas K, Couch F, Tischkowitz M, Foulkes WD, Dennis J, Michailidou K, van Rensburg EJ, Heikkinen T, Nevanlinna H, Hopper JL, Dörk T, Claes KB, Reis-Filho J, Teo ZL, Radice P, Catucci I, Peterlongo P, Tsimiklis H, Odefrey FA, Dowty JG, Schmidt MK, Broeks A, Hogervorst FB, Verhoef S, Carpenter J, Clarke C, Scott RJ, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Peto J, Dos-Santos-Silva I, Fletcher O, Johnson N, Bolla MK, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Marme F, Burwinkel B, Yang R, Guenel P, Truong T, Menegaux F, Sanchez M, Bojesen S, Nielsen SF, Flyger H, Benitez J, Zamora MP, Perez JI, Menendez P, Anton-Culver H, Neuhausen S, Ziogas A, Clarke CA, Brenner H, Arndt V, Stegmaier C, Brauch H, Bruning T, Ko YD, Muranen TA, Aittomaki K, Blomqvist C, Bogdanova NV, Antonenkova NN, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Spurdle AB, Investigators K, Australian Ovarian Cancer Study Group, Wauters E, Smeets D, Beuselinck B, Floris G, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Olson JE, Vachon C, Pankratz VS, McLean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Kristensen V, Alnaes GG, Zheng W, Hunter DJ, Lindstrom S, Hankinson SE, Kraft P, Andrulis I, Knight JA, Glendon G, Mulligan AM, Jukkola-Vuorinen A, Grip M, Kauppila S, Devilee P, Tollenaar RA, Seynaeve C, Hollestelle A, Garcia-Closas M, Figueroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson M, Eccles DM, Rafiq S, Tapper WJ, Gerty SM, Hooning MJ, Martens JW, Collee JM, Tilanus-Linthorst M, Hall P, Li J, Brand JS, Humphreys K, Cox A, Reed MW, Luccarini C, Baynes C, Dunning AM, Hamann U, Torres D, Ulmer HU, Rudiger T, Jakubowska A, Lubinski J, Jaworska K, Durda K, Slager S, Toland AE, Ambrosone CB, Yannoukakos D, Swerdlow A, Ashworth A, Orr N, Jones M, Gonzalez-Neira A, Pita G, Alonso MR, Alvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Simard J, Dumont M, Soucy P, Eeles R, Muir K, Wiklund F, Gronberg H, Schleutker J, Nordestgaard BG, Weischer M, Travis RC, Neal D, Donovan JL, Hamdy FC, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Schaid DJ, Kelley JL, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Butterbach K, Park J, Kaneva R, Batra J, Teixeira MR, Kote-Jarai Z, Olama AA, Benlloch S, Renner SP, Hartmann A, Hein A, Ruebner M, Lambrechts D, Van Nieuwenhuysen E, Vergote I, Lambrechts S, Doherty JA, Rossing MA, Nickels S, Eilber U, Wang-Gohrke S, Odunsi K, Sucheston-Campbell LE, Friel G, Lurie G, Killeen JL, Wilkens LR, Goodman MT, Runnebaum I, Hillemanns PA, Pelttari LM, Butzow R, Modugno F, Edwards RP, Ness RB, Moysich KB, du Bois A, Heitz F, Harter P, Kommooss S, Karlén BY, Walsh C, Lester J, Jensen A, Kjaer SK, Hogdall E, Peissel B, Bonanni B, Bernard L, Goode EL, Fridley BL, Vierkant RA, Cunningham JM, Larson MC, Fogarty ZC, Kalli KR, Liang D, Lu KH, Hildebrandt MA, Wu X, Levine DA, Dao F, Bisogna M, Berchuck A, Iversen ES, Marks JR, Akushevich L, Cramer DW, Schildkraut J, Terry KL, Poole EM, Stampfer M, Tworoger SS, Bandera EV, Orlow I, Olson SH, Bjorge L, Salvesen HB, van Altena AM, Aben KK, Kiemeney LA, Massuger LF, Pejovic T, Bean Y, Brooks-Wilson A, Kelemen LE, Cook LS, Le ND, Gorski B, Gronwald J, Menkiszak J, Hogdall CK, Lundvall L, Nedergaard L, Engelholm SA, Dicks E, Tyrer J, Campbell I, McNeish I, Paul J, Siddiqui N, Glasspool R, Whittemore AS, Rothstein JH, McGuire V, Sieh W, Cai H, Shu XO, Teten RT, Sutphen R, McLaughlin JR, Narod SA, Phelan CM, Monteiro AN, Fenstermacher D, Lin HY, Permuth JB, Sellers TA, Chen YA, Tsai YY, Chen Z, Gentry-Maharaj A, Gayther SA, Ramus SJ, Menon U, Wu AH, Pearce CL, Van Den Berg D, Pike MC, Dansonka-Mieszkowska A, Plsiecka-Halasa J, Moes-Sosnowska J, Kupryjanczyk J, Pharoah PD, Song H, Winship I, Chenevix-Trench G, Giles GG, Tavtigian SV, Easton DF, Milne RL. PALB2, CHEK2 and ATM rare variants and cancer risk: data from COGS. *J Med Genet* 2016;53(12):800-811

Steins MB, Henkenberens C, Bremer M, Thomas M. Small cell lung cancer. *Onkologie* 2016;22(10):799-810

Sultan S, Ahmad S, Rave-Fräck M, Malik IA, Hess CF, Christiansen H, Cameron S. Induction of Lipocalin2 in a Rat Model of Lung Irradiation. *Int J Mol Sci* 2016;17(5):DOI: 10.3390/ijms17050637

Vogt PM, Metz TR, Henkenberens C, Radtke C, Ipaktchi R. Plastic reconstruction of radiation injuries. *Onkologie* 2016;22(9):699-710

Wimmer K, Beilken A, Nustedt R, Ripperger T, Lamottke B, Ure B, Steinmann D, Reineke-Plaass T, Lehmann U, Zschocke J, Valle L, Fauth C, Kratz CP. A novel germline POLE mutation causes an early onset cancer prone syndrome mimicking constitutional mismatch repair deficiency. *Fam Cancer* 2017;16(1):67-71

Wyszynski A, Hong CC, Lam K, Michailidou K, Lytle C, Yao S, Zhang Y, Bolla MK, Wang Q, Dennis J, Hopper JL, Southey MC, Schmidt MK, Broeks A, Muir K, Lophatananon A, Fasching PA, Beckmann MW, Peto J, Dos-Santos-Silva I, Sawyer EJ, Tomlinson I, Burwinkel B, Marme F, Guenel P, Truong T, Bojesen SE, Nordestgaard BG, Gonzalez-Neira A, Benitez J, Neuhausen SL, Brenner H, Dieffenbach AK, Meindl A, Schmutzler RK, Brauch H, GENICA Network, Nevanlinna H, Khan S, Matsuo K, Ito H, Dörk T, Bogdanova NV, Lindblom A, Margolin S, Mannermaa A, Kosma VM, KConFab Investigators, Australian Ovarian Cancer Study Group, Wu AH, Van Den Berg D, Lambrechts D, Wildiers H, Chang-Claude J, Rudolph A, Radice P, Peterlongo P, Couch FJ, Olson JE, Giles GG, Milne RL, Haiman CA, Henderson BE, Dumont M, Teo SH, Wong TY, Kristensen V, Zheng W, Long J, Winqvist R, Pylkas K, Andrulis IL, Knight JA, Devilee P, Seynaeve C, Garcia-Closas M, Figueroa J, Klevebring D, Czene K, Hooning MJ, van den Ouweland AM, Darabi H, Shu XO, Gao YT, Cox A, Blot W, Signorello LB, Shah M, Kang D, Choi JY, Hartman M, Miao H, Hamann U, Jakubowska A, Lubinski J, Sangrajrang S, McKay J, Toland AE, Yannoukakos D, Shen CY, Wu PE, Swerdlow A, Orr N, Simard J, Pharoah PD, Dunning AM, Chenevix-Trench G, Hall P, Bandera E, Amos C, Ambrosone C, Easton DF, Cole MD. An intergenic risk locus containing an enhancer deletion in 2q35 modulates breast cancer risk by deregulating IGFBP5 expression. *Hum Mol Genet* 2016;25(17):3863-3876

Zeng C, Guo X, Long J, Kuchenbaecker KB, Droit A, Michailidou K, Ghoussaini M, Kar S, Freeman A, Hopper JL, Milne RL, Bolla MK, Wang Q, Dennis J, Agata S, Ahmed S, Aittomaki K, Andrusilis IL, Anton-Culver H, Antonenkova NN, Arason A, Arndt V, Arun BK, Arver B, Bacot F, Barrowdale D, Baynes C, Beeghly-Fadiel A, Benitez J, Bermisheva M, Blomqvist C, Blot WJ, Bogdanova NV, Bojesen SE, Bonanni B, Borresen-Dale AL, Brand JS, Brauch H, Brennan P, Brenner H, Broeks A, Bruning T, Burwinkel B, Buys SS, Cai Q, Caldes T, Campbell I, Carpenter J, Chang-Claude J, Choi JY, Claes KB, Clarke C, Cox A, Cross SS, Czene K, Daly MB, de la Hoya M, De Leeneer K, Devilee P, Diez O, Domchek SM, Doody M, Dorfling CM, Dörk T, Dos-Santos-Silva I, Dumont M, Dwek M, Dworniczak B, Egan K, Elber U, Einbeigi Z, Ejlertsen B, Ellis S, Frost D, Lalloo F, EMBRACE, Fasching PA, Figueroa J, Flyger H, Friedlander M, Friedman E, Gambino G, Gao YT, Garber J, Garcia-Closas M, Gehrig A, Damiola F, Lesueur F, Mazoyer S, Stoppa-Lyonnet D, behalf of GEMO Study Collaborators, Giles GG, Godwin AK, Goldgar DE, Gonzalez-Neira A, Greene MH, Guenel P, Haeberle L, Haiman CA, Hallberg E, Hamann U, Hansen TV, Hart S, Hartikainen JM, Hartman M, Hassan N, Healey S, Hogervorst FB, Verhoef S, HEBON, Hendricks CB, Hillemanns P, Hollestelle A, Hulick PJ, Hunter DJ, Imyanitov EN, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jaworska-Bieniek K, Jensen UB, John EM, Joly Beauparlant C, Jones M, Kabisch M, Kang D, Karlan BY, Kauppila S, Kerin MJ, Khan S, Khusnutdinova E, Knight JA, Konstantopoulou I, Kraft P, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Le Marchand L, Lee CN, Lee MH, Lester J, Li J, Liljegren A, Lindblom A, Lophatananon A, Lubinski J, Mai PL, Mannermaa A, Manoukian S, Margolin S, Marime F, Matsuo K, McGuffog L, Meindl A, Menegaux F, Montagna M, Muir K, Mulligan AM, Nathanson KL, Neuhausen SL, Nevanlinna H, Newcomb PA, Nord S, Nussbaum RL, Offit K, Olah E, Olopade OI, Olszwold C, Osorio A, Papi L, Park-Simon TW, Paulsson-Karlsson Y, Peeters S, Peissel B, Peterlongo P, Peto J, Pfeiler G, Phelan CM, Presneau N, Radice P, Rahman N, Ramus SJ, Rashid MU, Rennert G, Rhiem K, Rudolph A, Salani R, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Schoemaker MJ, Schurmann P, Seynaeve C, Shen CY, Shrubsole MJ, Shu XO, Sigurdson A, Singer CF, Slager S, Soucy P, Southey M, Steinemann D, Swerdlow A, Szabo CI, Tchatchou S, Teixeira MR, Teo SH, Terry MB, Tessier DC, Teule A, Thomassen M, Tihomirova L, Tischkowitz M, Toland AE, Tung N, Turnbull C, van den Ouweland AM, van Rensburg EJ, Ven den Berg D, Vijai J, Wang-Gohrke S, Weitzel JN, Whittemore AS, Winquist R, Wong TY, Wu AH, Yannoukakos D, Yu JC, Pharoah PD, Hall P, Chenevix-Trench G, KConFab, AOCS Investigators, Dunning AM, Simard J, Couch FJ, Antoniou AC, Easton DF, Zheng W. Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. *Breast Cancer Res* 2016;18(1):64

Zhao Z, Wen W, Michailidou K, Bolla MK, Wang Q, Zhang B, Long J, Shu XO, Schmidt MK, Milne RL, Garcia-Closas M, Chang-Claude J, Lindstrom S, Bojesen SE, Ahsan H, Aittomaki K, Andrusilis IL, Anton-Culver H, Arndt V, Beckmann MW, Beeghly-Fadiel A, Benitez J, Blomqvist C, Bogdanova NV, Borresen-Dale AL, Brand J, Brauch H, Brenner H, Burwinkel B, Cai Q, Casey G, Chenevix-Trench G, Couch FJ, Cox A, Cross SS, Czene K, Dörk T, Dumont M, Fasching PA, Figueroa J, Flesch-Janys D, Fletcher O, Flyger H, Fostira F, Gammon M, Giles GG, Guenel P, Haiman CA, Hamann U, Harrington P, Hartman M, Hoening MJ, Hopper JL, Jakubowska A, Jasmine F, John EM, Johnson N, Kabisch M, Khan S, Kibriya M, Knight JA, Kosma VM, Kriege M, Kristensen V, Le Marchand L, Lee E, Li J, Lindblom A, Lophatananon A, Luben R, Lubinski J, Malone KE, Mannermaa A, Manoukian S, Margolin S, Marime F, McLean C, Meijers-Heijboer H, Meindl A, Miao H, Muir K, Neuhausen SL, Nevanlinna H, Neven P, Olson JE, Perkins B, Peterlongo P, Phillips KA, Pylkas K, Rudolph A, Santella R, Sawyer EJ, Schmutzler RK, Schoemaker M, Shah M, Shrubsole M, Southey MC, Swerdlow AJ, Toland AE, Tomlinson I, Torres D, Truong T, Ursin G, Van Der Luijt RB, Verhoef S, Wang-Gohrke S, Whittemore AS, Winquist R, Pilar Zamora M, Zhao H, Dunning AM, Simard J, Hall P, Kraft P, Pharoah P, Hunter D, Easton DF, Zheng W. Association of genetic susceptibility variants for type 2 diabetes with breast cancer risk in women of European ancestry. *Cancer Causes Control* 2016;27(5):679-693

## **Letter**

Becker-Schiebe M, Hoffmann W. Antiemetic prophylaxis with fosaprepitant in chemoradiotherapy of cervical cancer. *Der Onkologe* 2016;22(6):426-427

Hermann RM, Schober M, Carl UM, Nitsche M. Three Simple Software Extensions for Automatic Presentation of Radiation Induced Toxicity, Sequelae and Treatment Outcomes, for Increasing Safety in Daily Therapeutic Routine, and for Enhancing Patient Comfort . *Int J Radiat Oncol Radiat Oncol* 2016;2(1):009-011

Pfeifer K, Schürmann P, Bogdanova N, Neuhäuser K, Kostovska IM, Plaseska-Karanfilska D, Park-Simon TW, Schindler D, Dörk T. Frameshift variant FANCL\*c.1096\_1099dupATTA is not associated with high breast cancer risk. *Clin Genet* 2016;90(4):385-386

Rüttermann M, Kaltenborn A, Trillmann A, Gutcke A, Herrmann RM. Prospective Evaluation of Surgery vs. Low Dose External Beam Radiotherapy for Painful humb Carpometacarpal Osteoarthritis – A Study Protocol. *Peertechz J Orthop Rheumatol* 2016;1(1):015-017

## **Case reports**

Hermann RM, Djannatian M, Czech N, Nitsche M. Prostate-Specific Membrane Antigen PET/CT: False-Positive Results due to Sarcoidosis? *Case Rep Oncol* 2016;9(2):457-463

## **Buchbeiträge, Monografien**

Christiansen H, Hermann RM. Radiotherapie. In: Welkoborsky HJ, Wiechens B, Hinni ML [Hrsg.]: Orbita: interdisziplinäres Management der Orbitaerkrankungen. 1. Auflage. Stuttgart New York: Georg Thieme Verlag, 2016. S. 135-140

Christiansen H, Hermann RM. Strahlentherapie orbitaler Erkrankungen. In: Welkoborsky HJ, Wiechens B, Hinni ML [Hrsg.]: Orbita: interdisziplinäres Management der Orbitaerkrankungen. 1. Auflage. Stuttgart New York: Georg Thieme Verlag, 2016. S. 262-287

von Hardenberg J, Ritter M, Wenz F, Abaci A. Kapitel 6: Therapieplanung. In: Attenberger U, Ritter M, Wenz F [Hrsg.]: MR- und PET-Bildgebung der Prostata. Berlin, Heidelberg: Springer, 2016. S. 139-160

Weidner A, Abaci A, Donk N, Attenberge U. Kapitel 3: Primärdiagnostik. In: Attenberger U, Ritter M, Wenz F [Hrsg.]: MR- und PET-Bildgebung der Prostata. Berlin, Heidelberg: Springer, 2016. S. 57-90

### Promotionen

Cole, Ansa Maer (Dr. med.): Selbsteinschätzung der Gedächtnis- und Aufmerksamkeitsleistung von Patienten mit Hirnmetastasen vor und nach Radiotherapie  
MHH-Signatur: D 80419

## Klinik für Nuklearmedizin – 8250

### Originalpublikationen

Apostolova I, Ego K, Steffen IG, Buchert R, Wertzel H, Achenbach HJ, Riedel S, Schreiber J, Schultz M, Furth C, Derlin T, Amthauer H, Hofheinz F, Kalinski T. The asphericity of the metabolic tumour volume in NSCLC: correlation with histopathology and molecular markers Eur J Nucl Med Mol Imaging 2016;43(13):2360-2373

Avanesov M, Weinrich JM, Kraus T, Derlin T, Adam G, Yamamura J, Karul M. MDCT of acute pancreatitis: Intraindividual comparison of single-phase versus dual-phase MDCT for initial assessment of acute pancreatitis using different CT scoring systems Eur J Radiol 2016;85(11):2014-2022

Bar-Klein G, Klee R, Brandt C, Bankstahl M, Bascunana P, Töllner K, Dalipaj H, Bankstahl JP, Friedman A, Löscher W. Isoflurane prevents acquired epilepsy in rat models of temporal lobe epilepsy. Ann Neurol 2016;80(6):896-908

Bascunana P, Javela J, Delgado M, Fernandez de la Rosa R, Shiha AA, Garcia-Garcia L, Pozo MA. (18)F]FDG PET Neuroimaging Predicts Pentylenetetrazole (PTZ) Kindling Outcome in Rats. Mol Imaging Biol 2016;18(5):733-740

Bengel FM. Imaging of Post-Infarct Inflammation: Moving Forward Toward Clinical Application. Circ Cardiovasc Imaging 2016;9(4):e004713

Bertrand R, Hamp I, Brönstrup M, Weck R, Lukacevic M, Polyak A, Ross TL, Gotthardt M, Plettenburg O, Derdau V. Synthesis of GPR40 targeting 3 H- and 18 F-probes towards selective beta cell imaging. J Labelled Comp Radiopharm 2016;59(14):604-610

Brackhan M, Bascunana P, Postema JM, Ross TL, Bengel FM, Bankstahl M, Bankstahl JP. Serial Quantitative TSPO-Targeted PET Reveals Peak Microglial Activation up to 2 Weeks After an Epileptogenic Brain Insult. J Nucl Med 2016;57(8):1302-1308

Breuer H, Meier M, Schneefeld S, Härtig W, Wittneben A, Märkel M, Ross TL, Bengel FM, Bankstahl M, Bankstahl JP. Multimodality imaging of blood-brain barrier impairment during epileptogenesis. J Cereb Blood Flow Metab 2017;37(6):2049-2061

Caobelli F, Wollenweber T, Bavendiek U, Kühn C, Schütze C, Geworski L, Thackeray JT, Bauersachs J, Haverich A, Bengel FM. Simultaneous dual-isotope solid-state detector SPECT for improved tracking of white blood cells in suspected endocarditis Eur Heart J 2017;38(6):436-443

Derlin T, Alchalby H, Bannas P, Laqmani A, Ayuk F, Trivaii I, Kreipe HH, Bengel FM, Kröger N. Serial 18F-FDG PET for Monitoring Treatment Response After Allogeneic Stem Cell Transplantation for Myelofibrosis J Nucl Med 2016;57(10):1556-1559

Derlin T, Thiele J, Weiberg D, Thackeray JT, Püschel K, Wester HJ, Aguirre Davila L, Larena-Avellaneda A, Daum G, Bengel FM, Schumacher U. Evaluation of 68Ga-Glutamate Carboxypeptidase II Ligand Positron Emission Tomography for Clinical Molecular Imaging of Atherosclerotic Plaque Neovascularization. Arterioscler Thromb Vasc Biol 2016;36(11):2213-2219

Derlin T, Weiberg D, von Klot C, Wester HJ, Henkenberens C, Ross TL, Christiansen H, Merseburger AS, Bengel FM. 68Ga-PSMA I&T PET/CT for assessment of prostate cancer: evaluation of image quality after forced diuresis and delayed imaging. Eur Radiol 2016;26(12):4345-4353

Derlin T, Weiberg D. 99mTc-HMPAO perfusion SPECT/CT in the diagnosis of brain death. Nucl Med Rev Cent East Eur 2016;19(B):22-23

Fritz T, Voigt M, Worm M, Negwer I, Müller SS, Kettenbach K, Ross TL, Roesch F, Koynov K, Frey H, Helm M. Orthogonal Click Conjugation to the Liposomal Surface Reveals the Stability of the Lipid Anchorage as Crucial for Targeting. Chemistry 2016;22(33):11578-11582

Haense C, Müller-Vahl KR, Wilke F, Schrader C, Capelle HH, Geworski L, Bengel FM, Krauss JK, Berding G. Effect of Deep Brain Stimulation on Regional Cerebral Blood Flow in Patients with Medically Refractory Tourette Syndrome. *Front Psychiatry* 2016;7:118

Hendel RC, Friedrich MG, Schulz-Menger J, Zemmrich C, Bengel F, Berman DS, Camici PG, Flamm SD, Le Guludec D, Kim R, Lombardi M, Mahmarian J, Sechtem U, Nagel E. CMR First-Pass Perfusion for Suspected Inducible Myocardial Ischemia. *JACC Cardiovasc Imaging* 2016;9(11):1338-1348

Henes FO, Pickhardt PJ, Herzyk A, Lee SJ, Motosugi U, Derlin T, Lubner MG, Adam G, Schön G, Bannas P. CT angiography in the setting of suspected acute mesenteric ischemia: prevalence of ischemic and alternative diagnoses. *Abdom Radiol (NY)* 2016;DOI: 10.1007/s00261-016-0988-0

Henkenberens C, von Klot CA, Ross TL, Bengel FM, Wester HJ, Merseburger AS, Vogel-Claussen J, Christiansen H, Derlin T. (68)Ga-PSMA-PET/CT-basierte Strahlentherapie beim lokal rezidivierten und oligometastasierten Prostatakarzinom : Frühe Effektivität nach Primärtherapie. *Strahlenther Onkol* 2016;192(7):431-439

Hinrichs JB, Werncke T, Kaireit T, Hoeper MM, Olsson KM, Kamp JC, Wacker FK, Bengel F, von Falck C, Schatka I, Meyer BC. Chronisch thromboembolische pulmonale Hypertonie: Diagnostischer Zusatznutzen der pulmonalarteriellen C-Arm-CT bei Patienten mit positivem V/Q SPECT. *Röfo* 2017;189(1):49-56

Hörsch D, Ezziddin S, Haug A, Gratz KF, Dunkelmann S, Miederer M, Schreckenberger M, Krause BJ, Bengel FM, Bartenstein P, Biersack HJ, Pöpperl G, Baum RP. Effectiveness and side-effects of peptide receptor radionuclide therapy for neuroendocrine neoplasms in Germany: A multi-institutional registry study with prospective follow-up. *Eur J Cancer* 2016;58:41-51

Kettenbach K, Ross TL. A 18F-labeled dibenzocyclooctyne (DBCO) derivative for copper-free click labeling of biomolecules. *Med Chem Commun* 2016;7(4):654-657

Kirstein MM, Schweitzer N, Ay N, Boeck C, Lappas K, Hinrichs JB, Voigtländer T, Wacker F, Manns MP, Rodt T, Vogel A. Experience from a real-life cohort: outcome of 606 patients with hepatocellular carcinoma following transarterial chemoembolization *Scand J Gastroenterol* 2017;52(1):116-124

Laqmani A, Avanesov M, Butscheidt S, Kurfürst M, Sehner S, Schmidt-Holtz J, Derlin T, Behzadi C, Nagel HD, Adam G, Regier M. Comparison of image quality and visibility of normal and abnormal findings at submillisievert chest CT using filtered back projection, iterative model reconstruction (IMR) and iDose4. *Eur J Radiol* 2016;85(11):1971-1979

Pitkänen A, Löscher W, Vezzani A, Becker AJ, Simonato M, Lukasiuk K, Gröhn O, Bankstahl JP, Friedman A, Aronica E, Gorter JA, Ravizza T, Sisodiya SM, Kokaia M, Beck H. Advances in the development of biomarkers for epilepsy. *Lancet Neurol* 2016;15(8):843-856

Sigurdson AJ, Brenner AV, Roach JA, Goudeva L, Müller JA, Nerlich K, Reiners C, Schwab R, Pfeiffer L, Waldenberger M, Braganza M, Xu L, Sturgis EM, Yeager M, Chanock SJ, Pfeiffer RM, Abend M, Port M. Selected single-nucleotide polymorphisms in FOXE1, SERPINA5, FTO, EVPL, TICAM1 and SCARB1 are associated with papillary and follicular thyroid cancer risk: replication study in a German population. *Carcinogenesis* 2016;37(7):677-684

Stapel B, Kohlhaas M, Ricke-Hoch M, Haghikia A, Erschow S, Knuuti J, Silvola JM, Roivainen A, Saraste A, Nickel AG, Saar JA, Sieve I, Pietzsch S, Müller M, Bogeski I, Kappl R, Jauhainen M, Thackeray JT, Scherr M, Bengel FM, Hagl C, Tudorache I, Bauersachs J, Maack C, Hilfiker-Kleiner D. Low STAT3 expression sensitizes to toxic effects of beta-adrenergic receptor stimulation in peripartum cardiomyopathy. *Eur Heart J* 2016;DOI: 10.1093/euroheartj/ehw086

Thackeray JT, Bankstahl JP, Wang Y, Wollert KC, Bengel FM. Targeting Amino Acid Metabolism for Molecular Imaging of Inflammation Early After Myocardial Infarction. *Theranostics* 2016;6(11):1768-1779

Thackeray JT, Bengel FM. PET imaging of the autonomic nervous system. *Q J Nucl Med Mol Imaging* 2016;60(4):362-382

Werner RA, Lapa C, Ilhan H, Higuchi T, Buck AK, Lehner S, Bartenstein P, Bengel F, Schatka I, Muegge DO, Papp L, Zsoter N, Grosse-Ophoff T, Essler M, Bundschuh RA. Survival prediction in patients undergoing radionuclide therapy based on intratumoral somatostatin-receptor heterogeneity. *Oncotarget* 2017;8(4):7039-7049

## Übersichtsarbeiten

Garbi M, Edvardsen T, Bax J, Petersen SE, McDonagh T, Filippatos G, Lancellotti P, Reviewer panel: EACVI appropriateness criteria for the use of cardiovascular imaging in heart failure derived from European National Imaging Societies voting. *Eur Heart J Cardiovasc Imaging* 2016;17(7):711-721

## **Letter**

Avanesov M, Derlin T. Multimodale Bildgebung des Mammakarzinomrezidivs : Prospektiver intraindividueller Vergleich zwischen zweizeitiger F-FDG-PET/CT, mehrphasiger CT und Knochenszintigraphie Radiologe 2017;57(1):1-3

Derlin T. (18)F-FDG-PET/CT: Bildgestützte Überwachung als Alternative zur Neck Dissection bei fortgeschrittenen Kopf-Hals-Tumoren. Radiologe 2016;56(9):773-774

## **Case reports**

Derlin T, Jonigk D, Bauersachs J, Bengel FM. Molecular Imaging of Chemokine Receptor CXCR4 in Non-Small Cell Lung Cancer Using 68Ga-Pentixafor PET/CT: Comparison With 18F-FDG Clin Nucl Med 2016;41(4):e204-e205

Derlin T, Salamon J, Laqmani A. Value of (99m)Tc-Technegas SPECT/CT for Localization of Alveolar-pleural Fistulas Nucl Med Mol Imaging 2016;50(2):164-165

Derlin T, Schumacher U, Bengel FM. Nonneoplastic Neuroma After Radical Prostatectomy Is Not a Mimicker of Lymph Node Metastases on 68Ga-PSMA Ligand PET/CT Clin Nucl Med 2016;41(10):785-786

Derlin T, Weiberg D, Sohns JM. Multitracer Molecular Imaging of Paget Disease Targeting Bone Remodeling, Fatty Acid Metabolism, and PSMA Expression on PET/CT Clin Nucl Med 2016;41(12):991-992

Koestner W, Dämmrich M, Derlin T. Inzidenteller tenosynovialer Riesenzelltumor des Musculus flexor hallucis longus: seltene Differenzialdiagnose stoffwechselaktiver Läsonen in der F-18-FDG PET/CT Rofo 2016;188(3):300-301

## **Editorials**

Bengel FM. The Role of Attractiveness: Imaging the Interaction Between Cardiovascular and Immune System. J Nucl Med 2016;57(7):1004-1005

Thackeray JT, Bengel FM. Specificity vs versatility: A fine balance for novel targeted molecular imaging radiotracers. J Nucl Cardiol 2017;24(2):571-573

## **Buchbeiträge, Monografien**

Ross TL, Rösch F. Life sciences: Nuclear medicine diagnosis (Chapter 12). In: Rösch F [Hrsg.]: Nuclear- and radiochemistry. Berlin Boston: De Gruyter, 2016. (De Gruyter graduate). S. 429-504

## **Promotionen**

Schneefeld, Sophie Martine (Dr. rer. nat.): Entwicklung von bakteriellen Infektions-Markern und deren Markierung mit Ga-68 für die PET-Anwendung  
MHH-Signatur: D 80699

# **Zentrum Neurologische Medizin**

## **Klinik für Neurochirurgie – 7240**

### **Originalpublikationen**

Al Mahdi MM, Krauss JK, Nakamura M, Brandis A, Hong B. Early ectopic recurrence of craniopharyngioma in the cerebellopontine angle. Turk Neurosurg 2016;DOI: 10.5137/1019-5149.JTN.17215-16.1

Al-Afif S, Nakamura M, Lenarz T, Krauss JK. Transclival injury after routine transnasal rhinological surgery. Clin Neurol Neurosurg 2016;145:1-5

Angelov SD, Koenen S, Jakobi J, Heissler HE, Alam M, Schwabe K, Barcikowski S, Krauss JK. Electrophoretic deposition of ligand-free platinum nanoparticles on neural electrodes affects their impedance in vitro and in vivo with no negative effect on reactive gliosis. J Nanobiotechnology 2016;14:3

Blahak C, Sauer T, Baezner H, Wolf ME, Saryyeva A, Schrader C, Capelle HH, Hennerici MG, Krauss JK. Long-term follow-up of chronic spinal cord stimulation for medically intractable orthostatic tremor. J Neurol 2016;263(11):2224-2228

Cinibulak Z, Aschoff A, Apedjinou A, Kaminsky J, Trost HA, Krauss JK. Current practice of external ventricular drainage: a survey among neurosurgical departments in Germany. *Acta Neurochir (Wien)* 2016;158(5):847-853

Fan Z, Bittermann-Rummel P, Yakubov E, Chen D, Broggini T, Sehm T, Hatipoglu Majernik G, Hock SW, Schwarz M, Engelhorn T, Doerfler A, Buchfelder M, Eyupoglu IY, Savaskan NE. PRG3 induces Ras-dependent oncogenic cooperation in gliomas. *Oncotarget* 2016;7(18):26692-26708

Flor H, Rasche D, Islamian AP, Rolko C, Yilmaz P, Ruppolt M, Capelle HH, Tronnier V, Krauss JK. Subtle Sensory Abnormalities Detected by Quantitative Sensory Testing in Patients with Trigeminal Neuralgia. *Pain Physician* 2016;19(7):507-518

Ghoochani A, Hatipoglu Majernik G, Sehm T, Wach S, Buchfelder M, Taubert H, Eyupoglu IY, Savaskan N. Cabazitaxel operates anti-metastatic and cytotoxic via apoptosis induction and stalls brain tumor angiogenesis. *Oncotarget* 2016;7(25):38306-38318

Haense C, Müller-Vahl KR, Wilke F, Schrader C, Capelle HH, Geworski L, Bengel FM, Krauss JK, Berding G. Effect of Deep Brain Stimulation on Regional Cerebral Blood Flow in Patients with Medically Refractory Tourette Syndrome. *Front Psychiatry* 2016;7:118

Hamani C, Aziz T, Bloem BR, Brown P, Chabardes S, Coyne T, Foote K, Garcia-Rill E, Hirsch EC, Lozano AM, Mazzone PA, Okun MS, Hutchison W, Silburn P, Zrinzo L, Alam M, Goetz L, Pereira E, Rughani A, Thevathasan W, Moro E, Krauss JK. Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Anatomy and Terminology. *Stereotact Funct Neurosurg* 2016;94(5):298-306

Hamani C, Lozano AM, Mazzone PA, Moro E, Hutchison W, Silburn PA, Zrinzo L, Alam M, Goetz L, Pereira E, Rughani A, Thevathasan W, Aziz T, Bloem BR, Brown P, Chabardes S, Coyne T, Foote K, Garcia-Rill E, Hirsch EC, Okun MS, Krauss JK. Pedunculopontine Nucleus Region Deep Brain Stimulation in Parkinson Disease: Surgical Techniques, Side Effects, and Postoperative Imaging. *Stereotact Funct Neurosurg* 2016;94(5):307-319

Jin X, Schwabe K, Krauss JK, Alam M. The anterior and posterior pedunculopontine tegmental nucleus are involved in behavior and neuronal activity of the cuneiform and entopeduncular nuclei. *Neuroscience* 2016;322:39-53

Koy A, Weinsheimer M, Pauls KA, Kühn AA, Krause P, Huebl J, Schneider GH, Deuschl G, Erasmi R, Falk D, Krauss JK, Lütjens G, Schnitzler A, Wojtecki L, Vesper J, Korinthenberg R, Coenen VA, Visser-Vandewalle V, Hellmich M, Timmermann L, GEPESTIM Consortium. German registry of paediatric deep brain stimulation in patients with childhood-onset dystonia (GEPESTIM). *Eur J Paediatr Neurol* 2017;21(1):136-146

Neyazi B, Schwabe K, Alam M, Krauss JK, Nakamura M. Neuronal expression of c-Fos after epicortical and intracortical electric stimulation of the primary visual cortex. *J Chem Neuroanat* 2016;77:121-128

Petrakakis I, Pirayesh A, Krauss JK, Raab P, Hartmann C, Nakamura M. The sellar and suprasellar region: A "hideaway" of rare lesions. Clinical aspects, imaging findings, surgical outcome and comparative analysis. *Clin Neurol Neurosurg* 2016;149:154-165

Pirayesh A, Petrakakis I, Raab P, Polemikos M, Krauss JK, Nakamura M. Petroclival meningiomas: Magnetic resonance imaging factors predict tumor resectability and clinical outcome. *Clin Neurol Neurosurg* 2016;147:90-97

Valadas A, Contarino MF, Albanese A, Bhatia KP, Falup-Pecurariu C, Forsgren L, Friedman A, Giladi N, Hutchinson M, Kostic VS, Krauss JK, Lokkegaard A, Marti MJ, Milanov I, Pirtosek Z, Relja M, Skorvanek M, Stamelou M, Stepens A, Tamas G, Taravari A, Tzoulis C, Vandenberghe W, Vidailhet M, Ferreira JJ, Tijsen MA. Management of dystonia in Europe: a survey of the European network for the study of the dystonia syndromes. *Eur J Neurol* 2016;23(4):772-779

Weigel R, Polemikos M, Uksul N, Krauss JK. Tarlov cysts: long-term follow-up after microsurgical inverted plication and sacroplasty. *Eur Spine J* 2016;25(11):3403-3410

Wolf ME, Capelle HH, Bätzner H, Hennerici MG, Krauss JK, Blahak C. Hypokinetic gait changes induced by bilateral pallidal deep brain stimulation for segmental dystonia. *Gait Posture* 2016;49:358-363

### Case reports

Sivas F, Yurdakul FG, Durak M, Hatipoğlu G, Önal ED, Bodur H. Hypophosphatemic osteomalacia: a case simulating ankylosing spondylitis treated with anti-TNF therapy. *Osteoporos Int* 2016;27(12):3651-3654

### Comments

Nakamura M, Krauss JK. In Reply: De Novo Arteriovenous Malformation Growth Secondary to Implantation of Genetically Modified Allogeneic Mesenchymal Stem Cells in the Brain. *Neurosurgery* 2016;78(4):E602-E603

## Buchbeiträge, Monografien

Krauss JK. Selective peripheral denervation for cervical dystonia. In: Winn HR [Hrsg.]: Youmans and Winn Neurological Surgery. 7th Edition. Amsterdam: Elsevier, 2016

## Promotionen

Ertl, Philipp Karl-Heinz (Dr. med.): Behandlungsergebnisse bei idiopathischem Normaldruckhydrozephalus nach Anlage eines Shuntsystems mit verstellbarem Differenzdruckventil und integrierter Gravitationseinheit  
MHH-Signatur: D 80452

## Klinik für Neurologie – 7210

### Originalpublikationen

Akin M, Skripuletz T, Napp LC, Berliner D, Akin I, Haghikia A, Akin E, Bauersachs J. Proprotein Convertase Subtilisin/Kexin type 9 (PCSK9): Impact of PCSK9 on Major Adverse Cardiac and Cerebrovascular Events. *Cardiovasc Hematol Agents Med Chem* 2017;25(5):1576-1582

Andlauer TF, Buck D, Antony G, Bayas A, Bechmann L, Berthele A, Chan A, Gasperi C, Gold R, Graetz C, Haas J, Hecker M, Infante-Duarte C, Knop M, Kümpfel T, Limmröth V, Linker RA, Loleit V, Luessi F, Meuth SG, Mühlau M, Nischwitz S, Paul F, Pütz M, Ruck T, Salmen A, Stangel M, Stellmann JP, Stürner KH, Tackenberg B, Then Bergh F, Tumani H, Warnke C, Weber F, Wiendl H, Wildemann B, Zettl UK, Ziemann U, Zipp F, Arloth J, Weber P, Radivojkov-Blagojevic M, Scheinhardt MO, Dankowski T, Bettecken T, Lichtner P, Czamara D, Carrillo-Roa T, Binder EB, Berger K, Bertram L, Franke A, Gieger C, Herms S, Homuth G, Ising M, Jöckel KH, Kacprowski T, Kloiber S, Laudes M, Lieb W, Lill CM, Lucae S, Meitinger T, Moebus S, Müller-Nurasyid M, Nöthen MM, Petersmann A, Rawal R, Schminke U, Strauch K, Völzke H, Waldenberger M, Wellmann J, Porcu E, Mulas A, Pitzalis M, Sidore C, Zara I, Cucca F, Zoledziewska M, Ziegler A, Hemmer B, Müller-Myhsok B. Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation *Sci Adv* 2016;2(6):e1501678

Ayzenberg I, Schöllhammer J, Hoepner R, Hellwig K, Ringelstein M, Aktas O, Kümpfel T, Krumbholz M, Trebst C, Paul F, Pache F, Obermann M, Zeltner L, Schwab M, Berthele A, Jarius S, Kleiter I, Neuromyelitis Optica Study Group. Efficacy of glatiramer acetate in neuromyelitis optica spectrum disorder: a multicenter retrospective study *J Neurol* 2016;263(3):575-582

Blahak C, Sauer T, Baezner H, Wolf ME, Saryeva A, Schrader C, Capelle HH, Hennerici MG, Krauss JK. Long-term follow-up of chronic spinal cord stimulation for medically intractable orthostatic tremor. *J Neurol* 2016;263(11):2224-2228

Boos M, Seer C, Lange F, Kopp B. Probabilistic Inference: Task Dependency and Individual Differences of Probability Weighting Revealed by Hierarchical Bayesian Modeling. *Front Psychol* 2016;7:755

Borisow N, Kleiter I, Gahlen A, Fischer K, Wernecke KD, Pache F, Ruprecht K, Havla J, Krumbholz M, Kümpfel T, Aktas O, Ringelstein M, Geis C, Kleinschmitz C, Berthele A, Hemmer B, Angstwurm K, Weissert R, Stellmann JP, Schuster S, Stangel M, Lauda F, Tumani H, Mayer C, Zeltner L, Ziemann U, Linker RA, Schwab M, Marziniak M, Then Bergh F, Hofstadt-van Oy U, Neuhaus O, Winkelmann A, Marouf W, Rückriem L, Faiss J, Wildemann B, Paul F, Jarius S, Trebst C, Hellwig K, NEMOS (Neuromyelitis Optica Study Group). Influence of female sex and fertile age on neuromyelitis optica spectrum disorders *Mult Scler* 2016:DOI: 10.1177/1352458516671203

Brettschneider J, Irwin DJ, Boluda S, Byrne MD, Fang L, Lee EB, Robinson JL, Suh E, Van Deerlin VM, Toledo JB, Grossman M, Hurtig H, Dengler R, Petri S, Lee VM, Trojanowski JQ. Progression of alpha-synuclein pathology in multiple system atrophy of the cerebellar type. *Neuropathol Appl Neurobiol* 2017;43(4):315-329

Capetian P, Azmitia L, Pauly MG, Krajka V, Stengel F, Bernhardi EM, Klett M, Meier B, Seibler P, Stanslowsky N, Moser A, Knopp A, Gillessen-Kaesbach G, Nikkhah G, Wegner F, Dobrossy M, Klein C. Plasmid-Based Generation of Induced Neural Stem Cells from Adult Human Fibroblasts. *Front Cell Neurosci* 2016;10:245

Cardenas-Blanco A, Machts J, Acosta-Cabronero J, Kaufmann J, Abdulla S, Kollewe K, Petri S, Schreiber S, Heinze HJ, Dengler R, Vielhaber S, Nestor PJ. Structural and diffusion imaging versus clinical assessment to monitor amyotrophic lateral sclerosis. *Neuroimage Clin* 2016;11:408-414

Cerina M, Narayanan V, Göbel K, Bittner S, Ruck T, Meuth P, Herrmann AM, Stangel M, Gudi V, Skripuletz T, Daldrup T, Wiendl H, Seidenbecher T, Ehling P, Kleinschmitz C, Pape HC, Budde T, Meuth SG. The quality of cortical network function recovery depends on localization and degree of axonal demyelination *Brain Behav Immun* 2017;59:103-117

Chen LC, Sandmann P, Thorne JD, Bleichner MG, Debener S. Cross-Modal Functional Reorganization of Visual and Auditory Cortex in Adult Cochlear Implant Users Identified with fNIRS. *Neural Plast* 2016;2016:4382656

Cubo E, Ramos-Arroyo MA, Martinez-Horta S, Martínez-Descalls A, Calvo S, Gil-Polo C, European HD Network. Clinical manifestations of intermediate allele carriers in Huntington disease *Neurology* 2016;87(6):571-578

Diem R, Molnar F, Beisse F, Gross N, Drüscher K, Heinrich SP, Joachimsen L, Rauer S, Pielen A, Sühs KW, Linker RA, Huchzermeyer C, Albrecht P, Hassenstein A, Aktas O, Guthoff T, Tonagel F, Kernstock C, Hartmann K, Kümpfel T, Hein K, van Oterendorp C, Grotejohann B, Ihorst G, Maurer J, Müller M, Volkmann M, Wildemann B, Platten M, Wick W, Heesen C, Schiefer U, Wolf S, Lagreze WA. Treatment of optic neuritis with erythropoietin (TONE): a randomised, double-blind, placebo-controlled trial-study protocol. *BMJ Open* 2016;6(3):e010956

Domingo A, Amar D, Grütz K, Lee LV, Rosales R, Brüggemann N, Jamora RD, Cutiongco-Dela Paz E, Rolfs A, Dressler D, Walter U, Krainc D, Lohmann K, Shamir R, Klein C, Westenberger A. Evidence of TAF1 dysfunction in peripheral models of X-linked dystonia-parkinsonism. *Cell Mol Life Sci* 2016;73(16):3205-3215

Dressler D, Adib Saberi F, Bigalke H. Botulinum toxin therapy: reduction of injection site pain by pH normalisation. *J Neural Transm (Vienna)* 2016;123(5):527-531

Dressler D, Bigalke H. Reconstituting botulinum toxin drugs: shaking, stirring or what? *J Neural Transm (Vienna)* 2016;123(5):523-525

Dressler D, Karapantzou C, Rohrbach S, Schneider S, Laskawi R. Frontalis suspension surgery to treat patients with blepharospasm and eyelid opening apraxia: long-term results. *J Neural Transm (Vienna)* 2017;124(2):253-257

Dressler D, Saberi FA. Safety of botulinum toxin short interval therapy using incobotulinumtoxin A. *J Neural Transm (Vienna)* 2017;124(4):437-440

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wähner A, Beh-Pajoh A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. *Sci Rep* 2016;6:38198

Fathi D, Mohammadi B, Dengler R, Bösel S, Petri S, Kollewe K. Lower motor neuron involvement in ALS assessed by motor unit number index (MUNIX): Long-term changes and reproducibility *Clin Neurophysiol* 2016;127(4):1984-1988

Finke C, Prüss H, Heine J, Reuter S, Kopp UA, Wegner F, Then Bergh F, Koch S, Jansen O, Münte T, Deuschl G, Ruprecht K, Stöcker W, Wandinger KP, Paul F, Bartsch T. Evaluation of Cognitive Deficits and Structural Hippocampal Damage in Encephalitis With Leucine-Rich, Glioma-Inactivated 1 Antibodies *JAMA Neurol* 2017;74(1):50-59

Finke M, Büchner A, Ruigendijk E, Meyer M, Sandmann P. On the relationship between auditory cognition and speech intelligibility in cochlear implant users: An ERP study *Neuropsychologia* 2016;87:169-181

Finke M, Sandmann P, Bönitz H, Kral A, Büchner A. Consequences of Stimulus Type on Higher-Order Processing in Single-Sided Deaf Cochlear Implant Users *Audiol Neurotol* 2016;21(5):305-315

Giovannoni G, Cohen JA, Coles AJ, Hartung HP, Havrdova E, Selmaj KW, Margolin DH, Lake SL, Kaup SM, Panzara MA, Compston DA, CARE-MS II Investigators. Alemtuzumab improves preexisting disability in active relapsing-remitting MS patients. *Neurology* 2016;87(19):1985-1992

Grigull L, Lechner W, Petri S, Kollewe K, Dengler R, Mehmecke S, Schumacher U, Lücke T, Schneider-Gold C, Köhler C, Gütsches AK, Kortum X, Klawonn F. Diagnostic support for selected neuromuscular diseases using answer-pattern recognition and data mining techniques: a proof of concept multicenter prospective trial *BMC Med Inform Decis Mak* 2016;16:31

Grosse GM, Schulz-Schaeffer WJ, Teebken OE, Schuppner R, Dirks M, Worthmann H, Lichinghagen R, Maye G, Limbourg FP, Weissenborn K. Monocyte Subsets and Related Chemokines in Carotid Artery Stenosis and Ischemic Stroke. *Int J Mol Sci* 2016;17(4):E433

Haense C, Müller-Vahl KR, Wilke F, Schrader C, Capelle HH, Geworski L, Bengel FM, Krauss JK, Berding G. Effect of Deep Brain Stimulation on Regional Cerebral Blood Flow in Patients with Medically Refractory Tourette Syndrome. *Front Psychiatry* 2016;7:118

Hagger MS, Chatzisarantis NL. A Multilab Preregistered Replication of the Ego-Depletion Effect *Perspect Psychol Sci* 2016;11(4):546-573

Hentschel F, Dressler D, Abele M, Paus S. Impaired heart rate variability in cervical dystonia is associated to depression. *J Neural Transm (Vienna)* 2017;124(2):245-251

Hoyos HC, Marder M, Ulrich R, Gudi V, Stangel M, Rabinovich GA, Pasquini LA, Pasquini JM. The Role of Galectin-3: From Oligodendroglial Differentiation and Myelination to Demyelination and Remyelination Processes in a Cuprizone-Induced Demyelination Model. *Adv Exp Med Biol* 2016;949:311-332

Huss AM, Halbgabeauer S, Öckl P, Trebst C, Spreer A, Borisow N, Harrer A, Brecht I, Balint B, Stich O, Schlegel S, Retzlaff N, Winkelmann A, Roesler R, Lauda F, Yıldız Ö, Voss E, Muche R, Rauer S, Bergh FT, Otto M, Paul F, Wildemann B, Kraus J, Ruprecht K, Stangel M, Buttman M, Zettl UK, Tumani H. Importance of cerebrospinal fluid analysis in the era of McDonald 2010 criteria: a German-Austrian retrospective multicenter study in patients with a clinically isolated syndrome *J Neurol* 2016;263(12):2499-2504

Jarius S, Kleiter I, Ruprecht K, Asgari N, Pitarokoili K, Borisow N, Hümmer MW, Trebst C, Pache F, Winkelmann A, Beume LA, Ringelstein M, Stich O, Aktas O, Korporal-Kuhnke M, Schwarz A, Lukas C, Haas J, Fechner K, Buttman M, Bellmann-Strobl J, Zimmermann H, Brandt AU, Franciotta D, Schanda K, Paul F, Reindl M, Wildemann B, in cooperation with the Neuromyelitis Optica Study Group (NEMOS). MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 3: Brainstem involvement - frequency, presentation and outcome. *J Neuroinflammation* 2016;13(1):281

Jarius S, Ruprecht K, Kleiter I, Borisow N, Asgari N, Pitarokoili K, Pache F, Stich O, Beume LA, Hümmer MW, Trebst C, Ringelstein M, Aktas O, Winkelmann A, Buttman M, Schwarz A, Zimmermann H, Brandt AU, Franciotta D, Capobianco M, Kuchling J, Haas J, Korporal-Kuhnke M, Lillevang ST, Fechner K, Schanda K, Paul F, Wildemann B, Reindl M, in cooperation with the Neuromyelitis Optica Study Group (NEMOS). MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 1: Frequency, syndrome specificity, influence of disease activity, long-term course, association with AQP4-IgG, and origin *J Neuroinflammation* 2016;13(1):279

Jarius S, Ruprecht K, Kleiter I, Borisow N, Asgari N, Pitarokoili K, Pache F, Stich O, Beume LA, Hümmer MW, Ringelstein M, Trebst C, Winkelmann A, Schwarz A, Buttman M, Zimmermann H, Kuchling J, Franciotta D, Capobianco M, Siebert E, Lukas C, Korporal-Kuhnke M, Haas J, Fechner K, Brandt AU, Schanda K, Aktas O, Paul F, Reindl M, Wildemann B, in cooperation with the Neuromyelitis Optica Study Group (NEMOS). MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 2: Epidemiology, clinical presentation, radiological and laboratory features, treatment responses, and long-term outcome. *J Neuroinflammation* 2016;13(1):280

Jepsen P, Christensen J, Weissenborn K, Watson H, Vilstrup H. Epilepsy as a risk factor for hepatic encephalopathy in patients with cirrhosis: a cohort study *BMC Gastroenterol* 2016;16(1):77

Kleiter I, Gahlen A, Borisow N, Fischer K, Wernecke KD, Wegner B, Hellwig K, Pache F, Ruprecht K, Havla J, Krumbholz M, Kümpfel T, Aktas O, Hartung HP, Ringelstein M, Geis C, Kleinschmitz C, Berthele A, Hemmer B, Angstwurm K, Stellmann JP, Schuster S, Stangel M, Lauda F, Tumani H, Mayer C, Zeltner L, Ziemann U, Linker R, Schwab M, Marziniak M, Then Bergh F, Hofstadt-van Oy U, Neuhaus O, Winkelmann A, Marouf W, Faiss J, Wildemann B, Paul F, Jarius S, Trebst C, Neuromyelitis Optica Study Group. Neuromyelitis optica: Evaluation of 871 attacks and 1,153 treatment courses *Ann Neurol* 2016;79(2):206-216

Kollewe K, Escher CM, Wulff DU, Fathi D, Paracka L, Mohammadi B, Karst M, Dressler D. Long-term treatment of chronic migraine with OnabotulinumtoxinA: efficacy, quality of life and tolerability in a real-life setting *J Neural Transm (Vienna)* 2016;123(5):533-540

Kolossa A, Kopp B. Mind the Noise When Identifying Computational Models of Cognition from Brain Activity. *Front Neurosci* 2016;10:573

Kopitzki K, Oldag A, Sweeney-Reed CM, Machts J, Veit M, Kaufmann J, Hinrichs H, Heinze HJ, Kollewe K, Petri S, Mohammadi B, Dengler R, Kupsch AR, Vielhaber S. Interhemispheric connectivity in amyotrophic lateral sclerosis: A near-infrared spectroscopy and diffusion tensor imaging study *Neuroimage Clin* 2016;12:666-672

Kopp B, Seer C, Lange F, Kluytmans A, Kolossa A, Fingscheidt T, Hoijtink H. P300 amplitude variations, prior probabilities, and likelihoods: A Bayesian ERP study. *Cogn Affect Behav Neurosci* 2016;16(5):911-928

Körner S, Bösel S, Wichmann K, Thau-Habermann N, Zapf A, Knippenberg S, Dengler R, Petri S. The Axon Guidance Protein Semaphorin 3A Is Increased in the Motor Cortex of Patients With Amyotrophic Lateral Sclerosis. *J Neuropathol Exp Neurol* 2016;DOI: 10.1093/jnen/nlw003

Lange F, Haiduk M, Boos M, Tinschert P, Schwarze A, Eggert F. Road crossing behavior under traffic light conflict: Modulating effects of green light duration and signal congruency. *Accid Anal Prev* 2016;95(Pt A):292-298

Lange F, Kröger B, Steinke A, Seer C, Dengler R, Kopp B. Decomposing card-sorting performance: Effects of working memory load and age-related changes *Neuropsychology* 2016;30(5):579-590

Lange F, Lange C, Joop M, Seer C, Dengler R, Kopp B, Petri S. Neural correlates of cognitive set shifting in amyotrophic lateral sclerosis. *Clin Neurophysiol* 2016;127(12):3537-3545

Lange F, Seer C, Dengler R, Dressler D, Kopp B. Cognitive Flexibility in Primary Dystonia J Int Neuropsychol Soc 2016;22(6):662-670

Lange F, Seer C, Loens S, Wegner F, Schrader C, Dressler D, Dengler R, Kopp B. Neural mechanisms underlying cognitive inflexibility in Parkinson's disease. Neuropsychologia 2016;93(Pt A):142-150

Lange F, Seer C, Salchow C, Dengler R, Dressler D, Kopp B. Meta-analytical and electrophysiological evidence for executive dysfunction in primary dystonia. Cortex 2016;82:133-146

Lange F, Vogts MB, Seer C, Fürkötter S, Abdulla S, Dengler R, Kopp B, Petri S. Impaired set-shifting in amyotrophic lateral sclerosis: An event-related potential study of executive function Neuropsychology 2016;30(1):120-134

Loose M, Burkhardt C, Aho-Özhan H, Keller J, Abdulla S, Böhm S, Kollewe K, Uttner I, Abrahams S, Petri S, Weber M, Ludolph AC, Lulé D. Age and education-matched cut-off scores for the revised German/Swiss-German version of ECAS Amyotroph Lateral Scler Frontotemporal Degener 2016;17(5-6):374-376

Lublin F, Miller DH, Freedman MS, Cree BA, Wolinsky JS, Weiner H, Lubetzki C, Hartung HP, Montalban X, Uitdehaag BM, Merschhennke M, Li B, Putzki N, Liu FC, Haring DA, Kappos L, INFORMS study investigators. Oral fingolimod in primary progressive multiple sclerosis (INFORMS): a phase 3, randomised, double-blind, placebo-controlled trial. Lancet 2016;387(10023):1075-1084

Mancheva K, Rollnik JD, Wolf W, Dengler R, Kossev A. Vibration-Induced Kinesthetic Illusions and Corticospinal Excitability Changes J Mot Behav 2017;49(3):299-305

Moon J, Schwarz SC, Lee HS, Kang JM, Lee YE, Kim B, Sung MY, Höglinder G, Wegner F, Kim JS, Chung HM, Chang SW, Cha KY, Kim KS, Schwarz J. Preclinical Analysis of Fetal Human Mesencephalic Neural Progenitor Cell Lines: Characterization and Safety In Vitro and In Vivo. Stem Cells Transl Med 2016;DOI: 10.5966/sctm.2015-0228

Naujock M, Stanslawsky N, Bufler S, Naumann M, Reinhardt P, Sterneckert J, Kefalakes E, Kassebaum C, Bursch F, Lojewski X, Storch A, Frickenhaus M, Boeckers TM, Putz S, Demestre M, Liebau S, Klingenstein M, Ludolph AC, Dengler R, Kim KS, Hermann A, Wegner F, Petri S. 4-Aminopyridine Induced Activity Rescues Hypoexcitable Motor Neurons from Amyotrophic Lateral Sclerosis Patient-Derived Induced Pluripotent Stem Cells Stem Cells 2016;34(6):1563-1575

O'Connor P, Comi G, Freedman MS, Miller AE, Kappos L, Bouchard JP, Lebrun-Frenay C, Mares J, Benamor M, Thangavelu K, Liang J, Truffinet P, Lawson VJ, Wolinsky JS, Teriflumide Multiple Sclerosis Oral (TEMSO) Trial Group and the MRI-AC in Houston, Texas. Long-term safety and efficacy of teriflumide: Nine-year follow-up of the randomized TEMSO study. Neurology 2016;86(10):920-930

Pars K, Pul R, Schwenkenbecher P, Sühs KW, Wurster U, Witte T, Bronzlik P, Stangel M, Skripuletz T. Cerebrospinal Fluid Findings in Neurological Diseases Associated with Sjogren's Syndrome Eur Neurol 2016;77(1-2):91-102

Pul R, Osmanovic A, Schmalstieg H, Pielen A, Pars K, Schwenkenbecher P, Sühs KW, Yıldız Ö, Frank B, Stangel M, Skripuletz T. Fingolimod Associated Bilateral Cystoid Macular Edema-Wait and See? Int J Mol Sci 2016;17(12):E2106

Pul R, Saadat M, Morbiducci F, Skripuletz T, Pul Ü, Brockmann D, Sühs KW, Schwenkenbecher P, Kahl KG, Pars K, Stangel M, Trebst C. Longitudinal time-domain optic coherence study of retinal nerve fiber layer in IFNb1a-treated and untreated multiple sclerosis patients. Exp Ther Med 2016;12(1):190-200

Rychlik R, Kreimendahl F, Schnur N, Lambert-Baumann J, Dressler D. Erratum to: 'Quality of life and costs of spasticity treatment in German stroke patients'. Health Econ Rev 2016;6(1):41

Rychlik R, Kreimendahl F, Schnur N, Lambert-Baumann J, Dressler D. Quality of life and costs of spasticity treatment in German stroke patients. Health Econ Rev 2016;6(1):27

Sandmann P. Kortikale Plastizität nach Hörverlust und Cochlea-Implantation. Klin Neurophysiol 2017;48(1):23-33

Schreiber S, Dannhardt-Stieger V, Henkel D, Debska-Vielhaber G, Machts J, Abdulla S, Kropf S, Kollewe K, Petri S, Heinze HJ, Dengler R, Nestor PJ, Vielhaber S. Quantifying disease progression in amyotrophic lateral sclerosis using peripheral nerve sonography. Muscle Nerve 2016;54(3):391-397

Schuppner R, Maehlmann J, Dirks M, Worthmann H, Tryc AB, Sandorski K, Bahlmann E, Kielstein JT, Giesemann AM, Lanfermann H, Weissenborn K. Neurological Sequelae in Adults After *E. coli* O104: H4 Infection-Induced Hemolytic-Uremic Syndrome. Medicine (Baltimore) 2016;95(6):e2337

Schwenkenbecher P, Chacko LP, Wurster U, Pars K, Pul R, Sühs KW, Stangel M, Skripuletz T. Intrathecal synthesis of anti-Hu antibodies distinguishes patients with paraneoplastic peripheral neuropathy and encephalitis. *BMC Neurol* 2016;16(1):136

Schwenkenbecher P, Sarikidi A, Wurster U, Bronzlik P, Suhs KW, Raab P, Stangel M, Pul R, Skripuletz T. McDonald Criteria 2010 and 2005 Compared: Persistence of High Oligoclonal Band Prevalence Despite Almost Doubled Diagnostic Sensitivity. *Int J Mol Sci* 2016;17(9):E1592

Seele J, Nau R, Prajeeth CK, Stangel M, Valentin-Weigand P, Seitz M. Astrocytes Enhance Streptococcus suis-Glia Cell Interaction in Primary Astrocyte-Microglial Cell Co-Cultures. *Pathogens* 2016;5(2):DOI: 10.3390/pathogens5020043

Seer C, Lange F, Boos M, Dengler R, Kopp B. Prior probabilities modulate cortical surprise responses: A study of event-related potentials. *Brain Cogn* 2016;106:78-89

Skuljec J, Cabanski M, Surdzic E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. *Eur J Immunol* 2016;46(7):1656-1668

Stangel M, Gold R, Pittrow D, Baumann U, Borte M, Fasshauer M, Hensel M, Huscher D, Reiser M, Sommer C. Treatment of patients with multifocal motor neuropathy with immunoglobulins in clinical practice: the SIGNS registry. *Ther Adv Neurol Disord* 2016;9(3):165-179

Stanslowsky N, Jahn K, Venneri A, Naujock M, Haase A, Martin U, Frieling H, Wegner F. Functional effects of cannabinoids during dopaminergic specification of human neural precursors derived from induced pluripotent stem cells. *Addict Biol* 2016;DOI: 10.1111/adb.12394

Stanslowsky N, Reinhardt P, Glass H, Kalmbach N, Naujock M, Hensel N, Lübben V, Pal A, Venneri A, Lupo F, De Franceschi L, Claus P, Sterneckert J, Storch A, Hermann A, Wegner F. Neuronal Dysfunction in iPSC-Derived Medium Spiny Neurons from Chorea-Acanthocytosis Patients Is Reversed by Src Kinase Inhibition and F-Actin Stabilization. *J Neurosci* 2016;36(47):12027-12043

Steinacker P, Huss A, Mayer B, Grehl T, Grosskreutz J, Borck G, Kuhle J, Lule D, Meyer T, Oeckl P, Petri S, Weishaupt J, Ludolph AC, Otto M. Diagnostic and prognostic significance of neurofilament light chain NF-L, but not progranulin and S100B, in the course of amyotrophic lateral sclerosis: Data from the German MND-net. *Amyotroph Lateral Scler Frontotemporal Degener* 2017;18(1-2):112-119

Stoetzer C, Doll T, Stueber T, Herzog C, Echtermeyer F, Greulich F, Rudat C, Kispert A, Wegner F, Leffler A. Tetrodotoxin-sensitive alpha-subunits of voltage-gated sodium channels are relevant for inhibition of cardiac sodium currents by local anesthetics. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(6):625-636

Stoetzer C, Papenberg B, Doll T, Völker M, Heineke J, Stoetzer M, Wegner F, Leffler A. Differential inhibition of cardiac and neuronal Na(+) channels by the selective serotonin-norepinephrine reuptake inhibitors duloxetine and venlafaxine. *Eur J Pharmacol* 2016;783:1-10

Stoetzer C, Voelker M, Doll T, Heineke J, Wegner F, Leffler A. Cardiotoxic Antiemetics Metoclopramide and Domperidone Block Cardiac Voltage-Gated Na<sup>+</sup> Channels. *Anesth Analg* 2017;124(1):52-60

Suhs KW, Gudi V, Eckermann N, Fairless R, Pul R, Skripuletz T, Stangel M. Cytokine regulation by modulation of the NMDA receptor on astrocytes. *Neurosci Lett* 2016;629:227-233

Sühs KW, Papanagiotou P, Hein K, Pul R, Scholz K, Heesen C, Diem R. Disease Activity and Conversion into Multiple Sclerosis after Optic Neuritis Is Treated with Erythropoietin. *Int J Mol Sci* 2016;17(10):E1666

Sunderkötter C, Nast A, Worm M, Dengler R, Dörner T, Ganter H, Hohlfeld R, Melms A, Melzer N, Rosler K, Schmidt J, Sinnreich M, Walter MC, Wanschitz J, Wiendl H. Guidelines on dermatomyositis--excerpt from the interdisciplinary S2k guidelines on myositis syndromes by the German Society of Neurology. *J Dtsch Dermatol Ges* 2016;14(3):321-338

Trenkwalder C, Chaudhuri KR, Martinez-Martin P, Rascol O, Ehret R, Valis M, Satori M, Krygowska-Wajs A, Marti MJ, Reimer K, Oksche A, Lomax M, DeCesare J, Hopp M, PANDA study group. Prolonged-release oxycodone-naloxone for treatment of severe pain in patients with Parkinson's disease (PANDA): a double-blind, randomised, placebo-controlled trial. *Lancet Neurol* 2015;14(12):1161-1170

Van't Klooster MP, Foadi N, Hage A, Stoetzer C, Wegner F, Eberhardt M, Leffler A. Local-anesthetic like inhibition of the cardiac sodium channel Nav1.5 alpha-subunit by 5-HT3 receptor antagonists. *Eur J Pharmacol* 2016;789:119-126

Vellage AK, Veit M, Kobeleva X, Petri S, Vielhaber S, Müller NG. Working Memory Network Changes in ALS: An fMRI Study. *Front Neurosci* 2016;10:158

Vercruyse P, Sinniger J, El Oussini H, Scekic-Zahirovic J, Dieterlé S, Dengler R, Meyer T, Zierz S, Kassubek J, Fischer W, Dreyhaupt J, Grehl T, Hermann A, Grosskreutz J, Witting A, Van Den Bosch L, Spreux-Varoquaux O, GERP ALS Study Group, Ludolph AC, Dupuis L. Alterations in the hypothalamic melanocortin pathway in amyotrophic lateral sclerosis Brain 2016;139(Pt 4):1106-1122

Wais V, Rosenbohm A, Petri S, Kollewe K, Hermann A, Storch A, Hanisch F, Zierz S, Nagel G, Kassubek J, Weydt P, Brettschneider J, Weishaupt JH, Ludolph AC, Dorst J. The concept and diagnostic criteria of primary lateral sclerosis. Acta Neurol Scand 2016;DOI: 10.1111/ane.12713

Wostradowski T, Prajeeth CK, Gudi V, Kronenberg J, Witte S, Brieskorn M, Stangel M. In vitro evaluation of physiologically relevant concentrations of teriflunomide on activation and proliferation of primary rodent microglia. J Neuroinflammation 2016;13(1):250

Zeuner KE, Acewicz A, Knutzen A, Dressler D, Lohmann K, Witt K. Dopamine DRD2 polymorphism (DRD2/ANNK1-Taq1A) is not a significant risk factor in writer's cramp. J Neurogenet 2016;30(3-4):276-279

### Übersichtsarbeiten

Dressler D, Bhidayasiri R, Bohlega S, Chahidi A, Chung TM, Ebke M, Jacinto LJ, Kaji R, Kocer S, Kanovsky P, Micheli F, Orlova O, Paus S, Pirtosek Z, Relja M, Rosales RL, Sagastegui-Rodriguez JA, Schoenle PW, Shahidi GA, Timerbaeva S, Walter U, Saberi FA. Botulinum toxin therapy for treatment of spasticity in multiple sclerosis: review and recommendations of the IAB-Interdisciplinary Working Group for Movement Disorders task force. J Neurol 2017;264(1):112-120

Dressler D, Bigalke H. Immunological aspects of botulinum toxin therapy Expert Rev Neurother 2016;1-8

Dressler D, Vogt S, Saberi FA. Der Off-Label Use am Beispiel der Botulinumtoxin-Therapie. Klin Neurophysiol 2016;47(02):87-91

Escher CM, Paracka L, Dressler D, Kollewe K. Botulinum toxin in the management of chronic migraine: clinical evidence and experience. Ther Adv Neurol Dis 2016;1756285616677005

Georgiev D, Lange F, Seer C, Kopp B, Jahanshahi M. Movement-related potentials in Parkinson's disease. Clin Neurophysiol 2016;127(6):2509-2519

Klotz L, Berthele A, Brück W, Chan A, Flachenecker P, Gold R, Haghikia A, Hellwig K, Hemmer B, Hohlfeld R, Korn T, Kümpfel T, Lang M, Limmroth V, Linker RA, Meier U, Meuth SG, Paul F, Salmen A, Stangel M, Tackenberg B, Tumani H, Warnke C, Weber MS, Ziemssen T, Zipp F, Wiendl H. Monitoring von Blutparametern unter verlaufsmodifizierender MS-Therapie : Substanzspezifische Relevanz und aktuelle Handlungsempfehlungen Nervenarzt 2016;87(6):645-659

Lingor P, Csoti I, Koschel J, Schrader C, Winkler C, Wolz M, Reichmann H. Der geriatrische Parkinson-Patient - eine neurologische Herausforderung. Fortschr Neurol Psychiatr 2016;84(Suppl 1):S41-S47

Salinas Tejedor L, Skripuletz T, Stangel M, Gudi V. Mesenchymal stem cells require the peripheral immune system for immunomodulating effects in animal models of multiple sclerosis Neural Regen Res 2016;11(1):90-91

Seer C, Lange F, Georgiev D, Jahanshahi M, Kopp B. Event-related potentials and cognition in Parkinson's disease: An integrative review. Neurosci Biobehav Rev 2016;71:691-714

Stangel M. Therapie der zerebralen Vaskulitis - ein Update. Neuro aktuell 2016(7):23-27

Südmeyer M, Ebersbach G, Holtmann M, Jost W, Odin P, Schrader C, Winkler C. Praktische Anwendung der Levodopa-Pumpe. Fortschr Neurol Psychiatr 2016;84(7):404-410

Warnke C, Wattjes MP, Adams O, Hartung HP, Martin R, Weber T, Stangel M. Progressive multifokale Leukenzephalopathie Nervenarzt 2016;87(12):1300-1304

Weber T, Trebst C, Stangel M. Virale Enzephalitiden: Infektionen des Gehirns. NeuroTransmitter 2016;27(9)

Ziemssen T, Gass A, Wuerfel J, Bayas A, Tackenberg B, Limmroth V, Linker R, Mäurer M, Haas J, Stangel M, Meergans M, Harlin O, Hartung HP. Design of TRUST, a non-interventional, multicenter, 3-year prospective study investigating an integrated patient management approach in patients with relapsing-remitting multiple sclerosis treated with natalizumab BMC Neurol 2016;16:98

### Letter

Pars K, Garde N, Conzen J, Pul R, Dengler R, Stangel M, Skripuletz T, Trebst C. Intraspinal cavernous bleeding during early pregnancy. J Neurol 2016;263(10):2127-2129

van Rheenen W, Shatunov A, Dekker AM, McLaughlin RL, Diekstra FP, Pulit SL, van der Spek RA, Vosa U, de Jong S, Robinson MR, Yang J, Fogh I, van Doormaal PT, Tazelaar GH, Koppers M, Blokhuis AM, Sproviero W, Jones AR, Kenna KP, van Eijk KR, Harschnitz O, Schellevis RD, Brands WJ, Medic J, Menelaou A, Vajda A, Ticozzi N, Lin K, Rogelj B, Vrabec K, Ravnik-Glavac M, Koritnik B, Zidar J, Leonardi L, Groselj LD, Millecamps S, Salachas F, Meiningher V, de Carvalho M, Pinto S, Mora JS, Rojas-Garcia R, Polak M, Chandran S, Colville S, Swingler R, Morrison KE, Shaw PJ, Hardy J, Orrell RW, Pittman A, Sidle K, Fratta P, Malaspina A, Topp S, Petri S, Abdulla S, Drepper C, Sendtner M, Meyer T, Ophoff RA, Staats KA, Wiedau-Pazos M, Lomen-Hoerth C, Van Deerlin VM, Trojanowski JQ, Elman L, McCluskey L, Basak AN, Tunca C, Hamzeiy H, Parman Y, Meitinger T, Lichtner P, Radivojkovic-Blagojevic M, Andres CR, Maurel C, Bensimon G, Landwehrmeyer B, Brice A, Payan CA, Saker-Delye S, Durr A, Wood NW, Tittmann L, Lieb W, Franke A, Rietschel M, Cichon S, Nothen MM, Amouyel P, Tzourio C, Dartigues JF, Uitterlinden AG, Rivadeneira F, Estrada K, Hofman A, Curtis C, Blauw HM, van der Kooi AJ, de Visser M, Goris A, Weber M, Shaw CE, Smith BN, Pansarasa O, Cereda C, Del Bo R, Comi GP, D'Alfonso S, Bertolin C, Soraru G, Mazzini L, Pensato V, Gellera C, Tiloca C, Ratti A, Calvo A, Moglia C, Brunetti M, Arcuti S, Capozzo R, Zecca C, Lunetta C, Penco S, Riva N, Padovani A, Filosto M, Muller B, Stuit RJ, PARALS Registry, SLALOM Group, SLAP Registry, FALS Sequencing Consortium, SLAGEN Consortium, NNIPPS Study Group, Blair I, Zhang K, McCann EP, Fifita JA, Nicholson GA, Rowe DB, Pamphlett R, Kiernan MC, Grosskreutz J, Witte OW, Ringer T, Prell T, Stubendorff B, Kurth I, Hubner CA, Leigh PN, Casale F, Chio A, Beghi E, Pupillo E, Tortelli R, Logroscino G, Powell J, Ludolph AC, Weishaupt JH, Robberecht W, Van Damme P, Franke L, Pers TH, Brown RH, Glass JD, Landers JE, Hardiman O, Andersen PM, Corcia P, Vourc'h P, Silani V, Wray NR, Visscher PM, de Bakker PI, van Es MA, Pasterkamp RJ, Lewis CM, Breen G, Al-Chalabi A, van den Berg LH, Veldink JH. Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. *Nat Genet* 2016;48(9):1043-1048

### Comments

Weissenborn K, Tillmann HL. HCV encephalopathy - an artefact due to medical care? *J Viral Hepat* 2016;23(8):580-583

### Buchbeiträge, Monografien

Frevert J., Dressler D. Clinical Relevance of Immunoresistance to Botulinum. In: Rosales RL, Dressler D [Hrsg.]: Botulinum Toxin Therapy Manual for Dystonia and Spasticity: InTech, 2016. S. DOI: 10.5772/64566

Rosales RL, Dressler D. Botulinum Toxin Type A Therapy in Dystonia and Spasticity - What are Current Practical Applications?. In: Rosales RL, Dressler D [Hrsg.]: Botulinum Toxin Therapy Manual for Dystonia and Spasticity. Rijeka: InTech, 2016

### Herausgeberschaften

Rosales RL, Dressler D [Hrsg.]: Botulinum Toxin Therapy Manual for Dystonia and Spasticity. Rijeka: InTech, 2016

### Abstract

Stangel M. Neue Therapieansätze bei der MS: von der Immunmodulation zur Regeneration. 89. Kongress der Deutschen Gesellschaft für Neurologie (DGN) mit Fortbildungsakademie

Volltext: [https://www.thieme.de/statics/dokumente/thieme/final/de/dokumente/zw\\_current-congress/CC\\_Neurologie\\_2016\\_Online.pdf](https://www.thieme.de/statics/dokumente/thieme/final/de/dokumente/zw_current-congress/CC_Neurologie_2016_Online.pdf)

### Habilitationen

Worthmann, Hans (PD Dr. med.): Untersuchungen zu Markern und Mediatoren der Inflammation und des oxidativen Stresses nach ischämischen Schlaganfall Assoziation mit Outcome und Infektion  
MHH-Signatur: D 80530

### Promotionen

Ahlbrecht, Jonas (Dr. med.): Deregulierung von microRNA-181c im Liquor von Patienten mit klinisch isoliertem Syndrom ist mit einer frühen Konversion zur schubförmig-remittierenden multiplen Sklerose assoziiert  
MHH-Signatur: D 80637

Große, Gerrit Maximilian (Dr. med.): Identifikation vulnerabler Stenosen der Arteria carotis interna Bedeutung der Monozyten-Subpopulationen und assoziierter Chemokine in der Carotis-Atherosklerose und im ischämischen Schlaganfall  
MHH-Signatur: D 80425

Kucman, Valeria (Dr. med.): Die Rolle von astrozytären Faktoren bei der Remyelinisierung im zentralen Nervensystem eine Studie im Cuprizonemodell  
MHH-Signatur: D 80664

Lange, Florian (Dr. rer. nat.): Cognitive flexibility and its alterations in neurodegenerative diseases

Marten, Melanie (Dr. med.): Retrospektive Analyse der Ergebnisse der intravenösen und intraarteriellen Thrombolysetherapie bei ischämischen Schlaganfall an einem Patientenkollektiv der Neurologischen Klinik der Medizinischen Hochschule Hannover  
MHH-Signatur: D 80360

Schäfer, Nora (Dr. med.): Regenerative Eigenschaften von CDP-Cholin im Tiermodell für Multiple Sklerose  
MHH-Signatur: D 80426

Seer, Caroline (Dr. rer. nat.): Neural correlates of executive functions in neurodegenerative diseases evidence from event-related potentials

Wichmann, Klaudia Agnieszka (Dr. med.): Die Expression von Axon-guidance-Proteinen (Semaphorinen und ihren Rezeptoren) in huminem Rückenmark- und Motorkortexgewebe von ALS-Patienten und Kontrollen  
MHH-Signatur: D 80487

Wostradowski, Tanja: Deciphering the mode of action of drugs used in the treatment of multiple sclerosis

## Zentrum für Seelische Gesundheit

### Klinik für Psychiatrie, Sozialpsychiatrie und Psychotherapie – 7110

#### Originalpublikationen

Bloch MH, Panza KE, Yaffa A, Alvarenga PG, Jakubovski E, Mulqueen JM, Landeros-Weisenberger A, Leckman JF. N-Acetylcysteine in the Treatment of Pediatric Tourette Syndrome: Randomized, Double-Blind, Placebo-Controlled Add-On Trial J Child Adolesc Psychopharmacol 2016;26(4):327-334

Burda K, Degner D, Grohmann R, Bavendiek S, Toto S. Myocarditis unter Clozapin. Psychopharmakotherapie 2016;23(6):254-257

Cordes J, Bechdolf A, Engelke C, Kahl KG, Balijepalli C, Lösch C, Klosterkötter J, Wagner M, Maier W, Heinz A, de Millas W, Gaebel W, Winterer G, Janssen B, Schmidt-Kraepelin C, Schneider F, Lambert M, Juckel G, Wobrock T, Riedel M, Moebus S. Prevalence of metabolic syndrome in female and male patients at risk of psychosis. Schizophr Res 2017;181:38-42

Coughlin CG, Jakubovski E, Bloch MH. Time Course and Predictors of Suicidal Ideation During Citalopram Treatment in the STAR\*D Trial J Clin Psychiatry 2016;77(10):e1262-e1269

Debus S, Ahrens U. Das „Hilfs-Ich“ jenseits der „Weißen Wand“: Eine psychodramatische Kasuistik zur Simulation und Reduktion von Zwangsmaßnahmen in der Psychiatrie. Z Psychodrama Soziometr 2016;15(Suppl. 1):101-118

Ding XQ, Maudsley AA, Sabati M, Sheriff S, Schmitz B, Schütze M, Bronzlik P, Kahl KG, Lanfermann H. Physiological neuronal decline in healthy aging human brain - An in vivo study with MRI and short echo-time whole-brain (1)H MR spectroscopic imaging. Neuroimage 2016;137:45-51

Donath C, Baier D, Graessel E, Hillemacher T. Substance consumption in adolescents with and without an immigration background: a representative study-What part of an immigration background is protective against binge drinking? BMC Public Health 2016;16(1):1157

Forde NJ, Kanaan AS, Widomska J, Padmanabhani SS, Nespoli E, Alexander J, Rodriguez Arranz JI, Fan S, Houssari R, Nawaz MS, Rizzo F, Pagliaroli L, Zilhão NR, Aranyi T, Barta C, Boeckers TM, Boomsma DI, Buisman WR, Buitelaar JK, Cath D, Dietrich A, Driessen N, Drineas P, Dunlap M, Gerasch S, Glennon J, Hengerer B, van den Heuvel OA, Jespersgaard C, Möller HE, Müller-Vahl KR, Openneer TJ, Poelmans G, Pouwels PJ, Scharf JM, Stefansson H, Tümer Z, Veltman DJ, van der Werf YD, Hoekstra PJ, Ludolph A, Paschou P. TS-EUROTRAIN: A European-Wide Investigation and Training Network on the Etiology and Pathophysiology of Gilles de la Tourette Syndrome Front Neurosci 2016;10:384

Galling B, Roldan A, Nielsen RE, Nielsen J, Gerhard T, Carbon M, Stubbs B, Vancampfort D, De Hert M, Olfson M, Kahl KG, Martin A, Guo JJ, Lane HY, Sung FC, Liao CH, Arango C, Correll CU. Type 2 Diabetes Mellitus in Youth Exposed to Antipsychotics: A Systematic Review and Meta-analysis. JAMA Psychiatry 2016;73(3):247-259

Ganos C, Edwards MJ, Müller-Vahl K. "I swear it is Tourette's!": On functional coprolalia and other tic-like vocalizations Psychiatry Res 2016;246:821-826

Gerasch S, Kanaan AS, Jakubovski E, Müller-Vahl KR. Aripiprazole Improves Associated Comorbid Conditions in Addition to Tics in Adult Patients with Gilles de la Tourette Syndrome Front Neurosci 2016;10:416

Gombert S, Rhein M, Eberhardt M, Münster T, Bleich S, Leffler A, Frieling H. Epigenetic divergence in the TRPA1 promoter correlates with pressure pain thresholds in healthy individuals. Pain 2017;158(4):698-704

Groh A, Janke E, Schuster R, Lichtenhagen R, Frieling H, Bleich S, Hillemacher T, Heberlein A. GDNF serum levels are decreased in opioid-maintained patients. *Heroin Addict Relat Clin Probl* 2017;19(N.N1):13-18

Groh A, Rehme MK, Schuster R, Michael K, MacFarland D. Low Galanin Serum Levels are Associated with Anxiety in Opioid-Maintained Patients. *J Addiction Prevention* 2016;4(1):7

Grotenhermen F, Müller-Vahl K. Cannabis und Cannabinoide in der Medizin: Fakten und Ausblick. *Suchttherapie* 2016;17(2):71-76

Haas I, Schumacher B, Rüther E, Grohmann R, Toto S, Degner D. Synkope unter Prothipendyl. *Psychopharmakotherapie* 2016;23(4):165-169

Haense C, Müller-Vahl KR, Wilke F, Schrader C, Capelle HH, Geworski L, Bengel FM, Krauss JK, Berding G. Effect of Deep Brain Stimulation on Regional Cerebral Blood Flow in Patients with Medically Refractory Tourette Syndrome. *Front Psychiatry* 2016;7:118

Heberlein A, Lenz B, Opfermann B, Gröschl M, Janke E, Stange K, Groh A, Kornhuber J, Frieling H, Bleich S, Hillemacher T. Association of testosterone and BDNF serum levels with craving during alcohol withdrawal. *Alcohol* 2016;54:67-72

Hillemacher T, Frieling H, Buchholz V, Hussein R, Bleich S, Meyer C, John U, Bischof A, Rumpf HJ. Dopamine-receptor 2 gene-methylation and gambling behavior in relation to impulsivity. *Psychiatry Res* 2016;239:154-155

Hillemacher T, Jäckel E, Frieling H. Transplantation in alcohol-induced liver diseases-a kind of gene therapy for addictive behaviour? *Addiction* 2016;111(11):2065-2066

Issaria Y, Jakubovski E, Bartley CA, Pittenger C, Bloch MH. Early onset of response with selective serotonin reuptake inhibitors in obsessive-compulsive disorder: a meta-analysis. *J Clin Psychiatry* 2016;77(5):e605-11

Jakubovski E, Reichert C, Karch A, Buddensiek N, Breuer D, Müller-Vahl K. The ONLINE-TICS Study Protocol: A Randomized Observer-Blind Clinical Trial to Demonstrate the Efficacy and Safety of Internet-Delivered Behavioral Treatment for Adults with Chronic Tic Disorders. *Front Psychiatry* 2016;7:119

Jakubovski E, Varigonda AL, Freemantle N, Taylor MJ, Bloch MH. Systematic Review and Meta-Analysis: Dose-Response Relationship of Selective Serotonin Reuptake Inhibitors in Major Depressive Disorder. *Am J Psychiatry* 2016;173(2):174-183

John N, Theilmann W, Frieling H, Krauss JK, Alam M, Schwabe K, Brandt C. Cortical electroconvulsive stimulation alleviates breeding-induced prepulse inhibition deficit in rats. *Exp Neurol* 2016;275 Pt 1:99-103

Jung S, Proske M, Kahl KG, Krüger TH, Wollmer MA. The New Hamburg-Hannover Agitation Scale in Clinical Samples: Manifestation and Differences of Agitation in Depression, Anxiety, and Borderline Personality Disorder. *Psychopathology* 2016;49(6):420-428

Kahl KG, Georgi K, Bleich S, Muschler M, Hillemacher T, Hilfiker-Kleinert D, Schweiger U, Ding X, Kotsiari A, Frieling H. Altered DNA methylation of glucose transporter 1 and glucose transporter 4 in patients with major depressive disorder. *J Psychiatr Res* 2016;76:66-73

Kahl KG, Herrmann J, Stubbs B, Krüger TH, Cordes J, Deuschle M, Schweiger U, Hüper K, Helm S, Birkenstock A, Hartung D. Pericardial adipose tissue and the metabolic syndrome is increased in patients with chronic major depressive disorder compared to acute depression and controls. *Prog Neuropsychopharmacol Biol Psychiatry* 2017;72:30-35

Kahl KG, Hillemacher T. The metabolic syndrome in patients with alcohol dependency: Current research and clinical implications. *Prog Neuropsychopharmacol Biol Psychiatry* 2016;70:49-56

Kahl KG, Westhoff-Bleck M. Quality of life in adults with congenital heart disease: what matters? *J Thorac Dis* 2016;8(10):E1379-E1380

Kanaan AS, Gerasch S, Garcia-Garcia I, Lampe L, Pampel A, Anwander A, Near J, Moller HE, Muller-Vahl K. Pathological glutamatergic neurotransmission in Gilles de la Tourette syndrome. *Brain* 2017;140(Pt.1):218-234

Kelmendi B, Adams T,Jr, Jakubovski E, Hawkins KA, Coric V, Pittenger C. Probing Implicit Learning in Obsessive-Compulsive Disorder: Moderating Role of Medication on the Weather Prediction Task. *J Obsessive Compuls Relat Disord* 2016;9:90-95

Kerling A, von Bohlen A, Kück M, Tegtbur U, Grams L, Haufe S, Gützlaff E, Kahl KG. Exercise therapy improves aerobic capacity of inpatients with major depressive disorder. *Brain Behav* 2016;6(6):e00469

Krüger THC, Wollmer MA, Negt P, Frieling H, Jung S, Kahl KG. Inhalatives Loxapin zur Notfallbehandlung bei agitierten Patienten mit Borderline-Persönlichkeitsstörung : Eine Fallserie. Nervenarzt 2016;87(11):1222-1226

Macerollo A, Martino D, Cavanna AE, Gulisano M, Hartmann A, Hoekstra PJ, Hedderly T, Debes NM, Muller-Vahl K, Neuner I, Porta M, Rickards H, Rizzo R, Cardona F, Roessner V. Refractoriness to pharmacological treatment for tics: A multicentre European audit. J Neurol Sci 2016;366:136-138

Müller-Vahl KR, Loeber G, Kotsiari A, Müller-Engling L, Frieling H. Gilles de la Tourette syndrome is associated with hypermethylation of the dopamine D2 receptor gene J Psychiatr Res 2016;86:1-8

Negt P, Brakemeier EL, Michalak J, Winter L, Bleich S, Kahl KG. The treatment of chronic depression with cognitive behavioral analysis system of psychotherapy: a systematic review and meta-analysis of randomized-controlled clinical trials. Brain Behav 2016;6(8):e00486

Pul R, Saadat M, Morbiducci F, Skripuletz T, Pul Ü, Brockmann D, Sühs KW, Schwenkenbecher P, Kahl KG, Pars K, Stangel M, Trebst C. Longitudinal time-domain optic coherence study of retinal nerve fiber layer in IFNbeta-treated and untreated multiple sclerosis patients. Exp Ther Med 2016;12(1):190-200

Roy M, Bleich S, Hillemacher T. Diamorphingestützte Substitution. Fortschr Neurol Psychiatr 2016;84(3):164-76; quiz 177-178

Roy M, Dillo W, Osterhagen L. In the eye of the beholder - rating of facial attractiveness in adult asperger syndrome. Journal of Autism and Developmental Disorders 2016;3:Article 2

Roy M, Dillo W. Course of Fascination: Special interests in Asperger Autism. Austin J Psychiatry Behav Sci 2015;2(3):1046

Sambrani T, Jakubovski E, Müller-Vahl KR. New Insights into Clinical Characteristics of Gilles de la Tourette Syndrome: Findings in 1032 Patients from a Single German Center Front Neurosci 2016;10:415

Schuster R, Kleimann A, Rehme MK, Taschner L, Glahn A, Groh A, Frieling H, Lichtenhagen R, Hillemacher T, Bleich S, Heberlein A. Elevated methylation and decreased serum concentrations of BDNF in patients in levomethadone compared to diamorphine maintenance treatment. Eur Arch Psychiatry Clin Neurosci 2017;267(1):33-40

Schweiger JU, Schweiger U, Hüppe M, Kahl KG, Greggersen W, Fassbinder E. Bone density and depressive disorder: a meta-analysis. Brain Behav 2016;6(8):e00489

Seidler KP. Männer und Frauen in der körperorientierten Psychotherapie. Eine Sichtung der empirischen Befunde am Beispiel der Konzentrativen Bewegungstherapie. KTB 2016;4(4):182-192

Simner J, Rehme MK, Carmichael DA, Bastin ME, Sprooten E, McIntosh AM, Lawrie SM, Zedler M. Social responsiveness to inanimate entities: Altered white matter in a 'social synesthesia'. Neuropsychologia 2016;91:282-289

Stanslawsky N, Jahn K, Venneri A, Naujock M, Haase A, Martin U, Frieling H, Wegner F. Functional effects of cannabinoids during dopaminergic specification of human neural precursors derived from induced pluripotent stem cells Addict Biol 2016;DOI: 10.1111/adb.12394

Szycik GR, Mohammadi B, Hake M, Kneer J, Samii A, Münte TF, Te Wildt BT. Excessive users of violent video games do not show emotional desensitization: an fMRI study. Brain Imaging Behav 2016;DOI: 10.1007/s11682-016-9549-y

Theilmann W, Kleimann A, Rhein M, Bleich S, Frieling H, Löscher W, Brandt C. Behavioral differences of male Wistar rats from different vendors in vulnerability and resilience to chronic mild stress are reflected in epigenetic regulation and expression of p11. Brain Res 2016;1642:505-515

Varigonda AL, Jakubovski E, Taylor MJ, Freemantle N, Coughlin C, Bloch MH. Systematic Review and Meta-Analysis: Early Treatment Responses of Selective Serotonin Reuptake Inhibitors in Pediatric Major Depressive Disorder J Am Acad Child Adolesc Psychiatry 2015;54(7):557-564

Westhoff-Bleck M, Briest J, Fraccarollo D, Hilfiker-Kleiner D, Winter L, Maske U, Busch MA, Bleich S, Bauersachs J, Kahl KG. Mental disorders in adults with congenital heart disease: Unmet needs and impact on quality of life. J Affect Disord 2016;204:180-186

### Buchbeiträge, Monografien

Frieling H, Bleich S, Hinney A. Genetische Aspekte von Essstörungen. In: Herpertz S, de Zwaan M, Zipfel S [Hrsg.]: Handbuch Essstörungen und Adipositas mit 31 Tabellen. 2. Aufl. Berlin: Springer, 2015. S. 113-117

Frieling H, Buchholz V. Epigenetic and Eating Disorders. In: Yasui D, Peedicayil J, Grayson DR [Hrsg.]: Neuropsychiatric Disorders and Epigenetics. Saint Louis: Elsevier Science, 2016. S. 299-307

Szycik GR, Wedegärtner F. Psychotherapie von Abhängigkeitserkrankungen am Arbeitsplatz: Alkoholabhängigkeit und pathologisches Spielen. In: Kahl KG, Winter L [Hrsg.]: Arbeitsplatzbezogene Psychotherapie : Intervention, Prävention und Rehabilitation. Mit einem Therapiemanual. Stuttgart: Kohlhammer, 2017. S. 120-126

### **Herausgeberschaften**

Harendarski U, Reichold A, Debus S, Posner R. Kommunikation, Inferentialismus und Semiotik : Robert B. Brandoms "Expressive Ver-nunft". Tübingen: Stauffenburg Verlag, 2016. 202 S. (Zeitschrift für Semiotik ; Band 36, 2014, Heft 3-4)

### **Promotionen**

Behnia, Behnoush (Dr. med.): Differentielle Effekte von intranasalem Oxytocin auf sexuelles Erleben und Partnerinteraktion in Paaren  
MHH-Signatur: D 80438

Detlef, Anne-Mieke (Dr. med.): Perikardiales, intra-abdominelles und subkutanes Fettgewebe bei Patienten mit einer Major Depression  
MHH-Signatur: D 80399

Groh, Adrian (Dr. med.): Low galanin serum levels are associated with anxiety in opioid-maintained patients  
MHH-Signatur: D 80673

Hoffer, Niklas (Dr. med.): Aktiv aus dem Stimmungstief - Sport in der Behandlung von Depressionen unter dem Gesichtspunkt der Selbst-wirksamkeitserwartung  
MHH-Signatur: D 80371

Kleimann, Alexandra Nina (Dr. med.): BDNF serum levels and promoter methylation of BDNF exon I, IV and VI in depressed patients receiv-ing electroconvulsive therapy = BDNF Serumlevel und Promotermethylierung von BDNF Exon I, IV und VI bei depressiven Patienten unter elektrokonvulsiver Therapie  
MHH-Signatur: D 80468

Salinas-Manrique, Juan (Dr. med.): Telomere shortening of CD4+ and CD8+ lymphocytes in middle-aged women with depression  
MHH-Signatur: D 80622

Schmidt, Sebastian (Dr. med.): Psychophysiologische Schichtentheorien eine Literaturübersicht unter besonderer Berücksichtigung psychiatrischer Erkrankungen und veränderter Bewusstseinszustände  
MHH-Signatur: D 80617

Thielen, Lukas (Dr. med.): Epigenetische Regulation von Schizophrenie-Kandidatengenen im Methylazoxymethanol-Acetat-Rattenmodell  
MHH-Signatur: D 80625

## **Arbeitsbereich Klinische Psychologie in der Klinik für Psychiatrie, Sozialpsychiatrie und Psychotherapie – 7180**

### **Originalpublikationen**

Jung S, Proske M, Kahl KG, Krüger TH, Wollmer MA. The New Hamburg-Hannover Agitation Scale in Clinical Samples: Manifestation and Differences of Agitation in Depression, Anxiety, and Borderline Personality Disorder. Psychopathology 2016;49(6):420-428

Kahl KG, Herrmann J, Stubbs B, Krüger TH, Cordes J, Deuschle M, Schweiger U, Hüper K, Helm S, Birkenstock A, Hartung D. Pericardial adipose tissue and the metabolic syndrome is increased in patients with chronic major depressive disorder compared to acute depression and controls. Prog Neuropsychopharmacol Biol Psychiatry 2017;72:30-35

Kargel C, Massau C, Weiss S, Walter M, Borchardt V, Krueger TH, Tenbergen G, Kneer J, Wittfoth M, Pohl A, Gerwinn H, Ponseti J, Ame-lung T, Beier KM, Mohnke S, Walter H, Schiffer B. Evidence for superior neurobiological and behavioral inhibitory control abilities in non-offending as compared to offending pedophiles. Hum Brain Mapp 2017;38(2):1092-1104

Kruger TH, Grob C, de Boer C, Peschel T, Hartmann U, Tenbergen G, Schedlowski M. Placebo and Nocebo Effects in Sexual Medicine: An Experimental Approach. J Sex Marital Ther 2016;42(8):721-739

Schmidt K, Forkmann K, Sinke C, Gratz M, Bitz A, Bingel U. The differential effect of trigeminal vs. peripheral pain stimulation on visual processing and memory encoding is influenced by pain-related fear. NeuroImage 2016;134:386-395

Sinke C, Forkmann K, Schmidt K, Wiech K, Bingel U. Expectations impact short-term memory through changes in connectivity between attention- and task-related brain regions. Cortex 2016;78:1-14

Sinke C, Schmidt K, Forkmann K, Bingel U. Expectation influences the interruptive function of pain: Behavioural and neural findings. Eur J Pain 2017;21(2):343-356

Szycik GR, Mohammadi B, Hake M, Kneer J, Samii A, Münte TF, Te Wildt BT. Excessive users of violent video games do not show emotional desensitization: an fMRI study. Brain Imaging Behav 2016;DOI: 10.1007/s11682-016-9549-y

### **Übersichtsarbeiten**

Krüger THC, Jung S, Wollmer MA. Botulinumtoxin - ein neuer Wirkstoff in der Psychopharmakotherapie? Psychopharmakotherapie 2016;23(1):2

### **Letter**

Kruger TH, Magid M, Wollmer MA. Can Botulinum Toxin Help Patients With Borderline Personality Disorder? Am J Psychiatry 2016;173(9):940-941

Reichenberg JS, Hauptman AJ, Robertson HT, Finzi E, Kruger TH, Wollmer MA, Magid M. Botulinum toxin for depression: Does patient appearance matter? J Am Acad Dermatol 2016;74(1):171-173.e1

### **Buchbeiträge, Monografien**

Ehrig R, Dierkes T, Schäfer S, Röblitz S, Tronci E, Mancinini T, Salvo I, Alimghuzin V, Mari F, Melatti I, Massini A, Kruger THC, Egli M, Illes F, Leenens B. An integrative approach for model driven computation of treatments in reproductive medicine. In: Mondaini RP [Hrsg.]: Biomat 2015 : proceedings of the International Symposium on Mathematical and Computational Biology. Singapore: World Scientific Publishing Co. Pte. Ltd, 2016. S. 67-88

Kneer J, Walter H, Beier KM, Schiffer B, Ponsetti J, Walter M, Krüger T. Tatenlos tätig - das Gehirn im Ruhezustand. In: Müller JL, Briken P, Rösler M, Fromberger P, Jordan K [Hrsg.]: EFPPP Jahrbuch 2016 : Empirische Forschung in der forensischen Psychiatrie, Psychologie und Psychotherapie. 1. Auflage, neue Ausgabe. Berlin: MWV Medizinisch Wissenschaftliche Verlagsgesellschaft, 2016. (EFPPP Jahrbuch). S. 9-17

Ristow I, Walter H, Beier KM, Krüger T, Schiffer B, Ponsetti J, Walter M. Pädophilie und sexueller Kindesmissbrauch - Neurobiologische Korrelate einer außergewöhnlichen Neigung. In: Müller JL, Briken P, Rösler M, Fromberger P, Jordan K [Hrsg.]: EFPPP Jahrbuch 2016 : Empirische Forschung in der forensischen Psychiatrie, Psychologie und Psychotherapie. 1. Auflage, neue Ausgabe. Berlin: MWV Medizinisch Wissenschaftliche Verlagsgesellschaft, 2016. (EFPPP Jahrbuch). S. 1-8

### **Promotionen**

Jung, Stefanie (Dr. rer. biol. hum.): Anwendung von Botulinumtoxin A in der Behandlung von affektiven Störungen - Entwurf und Validierung eines Messinstruments zur Erfassung von Agitation als störungsübergreifendes Symptom und als Prädiktionsinstrument  
MHH-Signatur: D 80404

von Johnn-Adler, Janina (Dr. rer. biol. hum.): Eine Pilotstudie zur Untersuchung einer manualisierten Paarsexualtherapie zur Behandlung sexueller Appetenzstörungen der Frau  
MHH-Signatur: D 80418

### **Bachelorarbeiten**

Kessler, Andrea Melanie (B.Sc.): Wenn Lust belastet: Zusammenhänge zwischen Sexsucht, Depression und sexueller Gewalt

### **Diplomarbeiten**

Engel, Jannis: Prevention Projects Dunkelfeld Hannover and Regensburg: Reduction of risk factors for pedophilic sexual offending

## Klinik für Psychosomatik und Psychotherapie – 7160

### Originalpublikationen

Archonti C, de Zwaan M. Schematherapie bei Essstörungen - Ein integrativer Ansatz zur Verbesserung des Therapieoutcomes. *Psychother Psychosom Med Psychol* 2016;66(7):275-279

Bartsch M, Langenberg S, Gruner-Labitzke K, Schulze M, Köhler H, Crosby RD, Marschollek M, de Zwaan M, Müller A. Physical Activity, Decision-Making Abilities, and Eating Disturbances in Pre- and Postbariatric Surgery Patients. *Obes Surg* 2016;26(12):2913-2922

Berg L, Meyer S, Ipakchi R, Vogt PM, Muller A, de Zwaan M. Psychosoziale Belastungen zu verschiedenen Zeitpunkten nach Brandverletzung. *Psychother Psychosom Med Psychol* 2016;DOI: 10.1055/s-0042-111006

Claes L, Müller A, Luyckx K. Compulsive buying and hoarding as identity substitutes: The role of materialistic value endorsement and depression. *Compr Psychiatry* 2016;68:65-71

Egger N, Wild B, Zipfel S, Junne F, Konnopka A, Schmidt U, de Zwaan M, Herpertz S, Zeeck A, Lowe B, von Wietersheim J, Tagay S, Burgmer M, Dinkel A, Herzog W, König HH. Cost-effectiveness of focal psychodynamic therapy and enhanced cognitive-behavioural therapy in out-patients with anorexia nervosa. *Psychol Med* 2016;46(16):3291-3301

Föcker M, Stalder T, Kirschbaum C, Albrecht M, Adams F, de Zwaan M, Hebebrand J, Peters T, Albayrak Ö. Hair Cortisol Concentrations in Adolescent Girls with Anorexia Nervosa are Lower Compared to Healthy and Psychiatric Controls *Eur Eat Disord Rev* 2016;24(6):531-535

Hartmann A, Zeeck A, Herzog W, Wild B, de Zwaan M, Herpertz S, Burgmer M, von Wietersheim J, Tagay S, Dinkel A, Löwe B, Resmark G, Orlinsky D, Zipfel S. The Intersession Process in Psychotherapy for Anorexia Nervosa: Characteristics and Relation to Outcome. *J Clin Psychol* 2016;72(9):861-879

Herrmann-Lingen C, Beutel ME, Bosbach A, Deter HC, Fritzsche K, Hellmich M, Jordan J, Jünger J, Ladwig KH, Michal M, Petrowski K, Pieske B, Ronel J, Söllner W, Stöhr A, Weber C, de Zwaan M, Albus C, SPIRR-CAD Study Group. A Stepwise Psychotherapy Intervention for Reducing Risk in Coronary Artery Disease (SPIRR-CAD): Results of an Observer-Blinded, Multicenter, Randomized Trial in Depressed Patients With Coronary Artery Disease. *Psychosom Med* 2016;78(6):704-715

Hinney A, Kesselmeier M, Jall S, Volckmar AL, Focker M, Antel J, GCAN, WTCCC3, Heid IM, Winkler TW, GIANT, Grant SF, EGG, Guo Y, Bergen AW, Kaye W, Berrettini W, Hakanson H, Price Foundation Collaborative Group, Children's Hospital of Philadelphia/Price Foundation, Herpertz-Dahlmann B, de Zwaan M, Herzog W, Ehrlich S, Zipfel S, Egberts KM, Adan R, Brandys M, van Elburg A, Boraska Perica V, Franklin CS, Tschoop MH, Zeggini E, Bulik CM, Collier D, Scherag A, Muller TD, Hebebrand J. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Mol Psychiatry* 2017;22(2):192-201

Hübner C, Baldofski S, Crosby RD, Müller A, de Zwaan M, Hilbert A. Weight-related teasing and non-normative eating behaviors as predictors of weight loss maintenance. A longitudinal mediation analysis. *Appetite* 2016;102:25-31

Hübner C, Schmidt R, Selle J, Köhler H, Müller A, de Zwaan M, Hilbert A. Comparing Self-Report Measures of Internalized Weight Stigma: The Weight Self-Stigma Questionnaire versus the Weight Bias Internalization Scale *PLoS One* 2016;11(10):e0165566

Junne F, Zipfel S, Wild B, Martus P, Giel K, Resmark G, Friederich HC, Teufel M, de Zwaan M, Dinkel A, Herpertz S, Burgmer M, Tagay S, Rothermund E, Zeeck A, Ziser K, Herzog W, Löwe B. The relationship of body image with symptoms of depression and anxiety in patients with anorexia nervosa during outpatient psychotherapy: Results of the ANTOP study. *Psychotherapy (Chic)* 2016;53(2):141-151

Kesselmeier M, Pütter C, Volckmar AL, Baurecht H, Grallert H, Illig T, Ismail K, Ollikainen M, Silen Y, Keski-Rahkonen A, Bulik CM, Collier DA, Zeggini E, Hebebrand J, Scherag A, Hinney A, GCAN and WTCCC3. High-throughput DNA methylation analysis in anorexia nervosa confirms TNXB hypermethylation. *World J Biol Psychiatry* 2016;1-13

Meule A, de Zwaan M, Müller A. Attentional and motor impulsivity interactively predict 'food addiction' in obese individuals *Compr Psychiatry* 2017;72:83-87

Meule A, Muller A, Gearhardt AN, Blechert J. German version of the Yale Food Addiction Scale 2.0: Prevalence and correlates of 'food addiction' in students and obese individuals. *Appetite* 2016;DOI: 10.1016/j.appet.2016.10.003

Mooney MA, McWeney SK, Faraone SV, Hinney A, Hebebrand J, IMAGE2 Consortium, German ADHD GWAS Group, Nigg JT, Wilmot B. Pathway analysis in attention deficit hyperactivity disorder: An ensemble approach. *Am J Med Genet B Neuropsychiatr Genet* 2016;171(6):815-826

Müller A, Claes L, Smits D, Brähler E, de Zwaan M. Prevalence and Correlates of Self-Harm in the German General Population. PLoS One 2016;11(6):e0157928

Müller A, de Zwaan M, Mitchell JE, Zimmermann T. Pathological buying and partnership status. Psychiatry Res 2016;239:122-123

Müller A, Smits D, Claes L, Jasper S, Berg L, Ipakchi R, Vogt PM, de Zwaan M. Validation of the German version of the Perceived Stigmatization Questionnaire/Social Comfort Questionnaire in adult burn survivors. Burns 2016;42(4):790-796

Nagl M, Hilbert A, de Zwaan M, Braehler E, Kersting A. The German Version of the Dutch Eating Behavior Questionnaire: Psychometric Properties, Measurement Invariance, and Population-Based Norms. PLoS One 2016;11(9):e0162510

Rudolph A, Hellbardt M, Baldfoski S, de Zwaan M, Hilbert A. Evaluation des einjährigen multimodalen Therapieprogramms DOC WEIGHT(R) 1.0 zur Gewichtsreduktion bei Patienten mit Adipositas Grad II und III. Psychother Psychosom Med Psychol 2016;66(8):316-323

Wild B, Friederich HC, Zipfel S, Resmark G, Giel K, Teufel M, Schellberg D, Löwe B, de Zwaan M, Zeeck A, Herpertz S, Burgmer M, von Wietersheim J, Tagay S, Dinkel A, Herzog W. Predictors of outcomes in outpatients with anorexia nervosa - Results from the ANTOP study. Psychiatry Res 2016;244:45-50

Zander H, Claes L, Voth EM, de Zwaan M, Müller A. Impulsive Behaviors in Patients With Pathological Buying. J Behav Addict 2016;5(3):457-464

Zeeck A, Hartmann A, Wild B, De Zwaan M, Herpertz S, Burgmer M, Von Wietersheim J, Resmark G, Friederich HC, Tagay S, Dinkel A, Loewe B, Teufel M, Orlinsky D, Herzog W, Zipfel S, Antop Study Group. How do patients with anorexia nervosa "process" psychotherapy between sessions? A comparison of cognitive-behavioral and psychodynamic interventions Psychother Res 2016;1-14

Zientek F, Winter K, Müller A, Rullmann M, Luthardt J, Becker GA, Bresch A, Patt M, Sabri O, Hilbert A, Hesse S. Effortful control as a dimension of temperament is negatively associated with prefrontal serotonin transporter availability in obese and non-obese individuals. Eur J Neurosci 2016;44(7):2460-2466

Zimmermann T, Pabst S, Bertram A, Schiffer M, de Zwaan M. Differences in emotional responses in living and deceased donor kidney transplant patients. Clin Kidney J 2016;9(3):503-509

### **Übersichtsarbeiten**

Albayrak Ö, de Zwaan M. Alimentär bedingte Adipositas: eine Suchtkrankheit? Dtsch Med Wochenschr 2016;141(25):1835-1839

Brei C, Amann-Gassner U, De Zwaan M. Milch und Milchfrischprodukte. Teil 3: Konsum von Milchfrischprodukten und Diabetes mellitus. Ernaehr Umsch 2016;63(9):M536-M541

de Zwaan M. Das Night-Eating-Syndrom. PSYCH up2date 2016;10(6):479-490

Holthausen-Markou S, Schippert C. Unerfüllter Kinderwunsch aus gynäkologisch-psychosomatischer Perspektive. Frauenheilkunde up2date 2016;10(3):223-238

Kleemann C, Wagner L, Stephan M, von Hörsten S. Cut to the chase: a review of CD26/dipeptidyl peptidase-4's (DPP4) entanglement in the immune system. Clin Exp Immunol 2016;185(1):1-21

Stephan M. EMDR in der Psychotherapie: Einsatzmöglichkeiten, Wirksamkeit und Begrenzungen. PSYCH up2date 2016;10(4):327-334

Zimmermann T. Kommunikation in der Familie : Beratungskonzepte für die Pädiatrie. Monatsschr Kinderheilkd 2016;164(7):565-573

### **Letter**

Bertram A, Pabst S, Zimmermann T, Schiffer M, de Zwaan M. How can you be adherent if you don't know how? Transpl Int 2016;29(7):830-832

Breuer K, Göldner FM, Jäger B, Werfel T, Schmid-Ott G. Relationship between chronic stress and CRP levels in women with psoriasis. J Dtsch Dermatol Ges 2016;14(5):528-530

### **Editorials**

De Zwaan M. Die Anzahl der Essstörungsdiagnosen nimmt zu. PSYCH up2date 2016;10(6):431

de Zwaan M, Müller A. Wo verstecken sich die Impulskontrollstörungen im DSM-5? Psychother Psychosom Med Psychol 2016;66(6):219-220

#### **Buchbeiträge, Monografien**

Albayrak Ö. Essen und Psyche: Erfahrungen aus der Arbeit mit Jugendlichen. In: Dr. Rainer Wild-Stiftung [Hrsg.]: Jugend und Ernährung zwischen Fremd- und Selbstbestimmung. 1. Auflage. Heidelberg: Dr. Rainer Wild-Stiftung, 2016. S. 53-67

De Zwaan M, Herpertz-Dahlmann B. Essstörungen (ICD-10 F50). In: Voderholzer U, Hohagen F [Hrsg.]: Therapie psychischer Erkrankungen : State of the Art 2016. 11. Auflage. München: Urban & Fischer, Elsevier, 2016. S. 325-338

De Zwaan M, Zeeck A. Essstörungen und Adipositas. In: Herpertz S, Caspar F, Lieb K [Hrsg.]: Psychotherapie : Funktions- und störungsorientiertes Vorgehen. 1. Auflage. München: Elsevier, 2017. S. 455-470

De Zwaan M. Essstörungen: Diagnose und Psychopathologie. In: Archonti C, Roediger E, De Zwaan M [Hrsg.]: Schematherapie bei Essstörungen. 1. Auflage. Weinheim Basel: Beltz Verlag, 2016. S. 22-42

Müller A, de Zwaan M. Deutsche Fassung der Compulsive Buying Scale. In: Geue K, Strauß B, Brähler E [Hrsg.]: Diagnostische Verfahren in der Psychotherapie. 3., überarbeitete und erweiterte Auflage. Göttingen: Hogrefe, 2016. (Diagnostik für Klinik und Praxis). S. 99-101

Müller A, de Zwaan M. Deutsche Fassung der Material Values Scale. In: Geue K, Strauß B, Brähler E [Hrsg.]: Diagnostische Verfahren in der Psychotherapie. 3., überarbeitete und erweiterte Auflage. Göttingen: Hogrefe, 2016. (Diagnostik für Klinik und Praxis). S. 326-328

Müller A, de Zwaan M. Fragebogen zum zwanghaften Horten. In: Geue K, Strauß B, Brähler E [Hrsg.]: Diagnostische Verfahren in der Psychotherapie. 3., überarbeitete und erweiterte Auflage. Göttingen: Hogrefe, 2016. (Diagnostik für Klinik und Praxis). S. 188-191

#### **Herausgeberschaften**

Archonti C, Roediger E, De Zwaan M [Hrsg.]: Schematherapie bei Essstörungen. 1. Auflage. Weinheim Basel: Beltz Verlag, 2016. 208 S.

#### **sonstiges**

Bartsch M, Langenberg S, Gruner-Labitzke K, Schulze M, Köhler H, Crosby RD, Marschollek M, de Zwaan M, Müller A. Erratum to: Physical Activity, Decision-Making Abilities, and Eating Disturbances in Pre- and Postbariatric Surgery Patients. Obes Surg 2016;26(12):2923

Rumpf HJ, Arnaud N, Batra A, Bischof A, Bischof G, Brand M, Gohlke A, Kaess M, Kiefer F, Leménager T, Mann K, Mößle T, Müller A, Müller K, Rehbein F, Thomasius R, Wartberg L, Wildt Bt, Wölfing K, Wurst FM. Memorandum Internetbezogene Störungen der Deutschen Gesellschaft für Suchtforschung und Suchttherapie (DG-Sucht). Sucht 2016;62(3):167-172

Zimmermann T. Interventionsforschung – von der Praxis in die Forschung et vice versa. Forum 2016;31(6):507-508

#### **Promotionen**

Berger, Nikolas Alexander Arne (Dr. med.): Association of symptoms of attention-deficityhyperactivity disorder with symptoms of excessive exercising in an adult general population sample

MHH-Signatur: D 80362

Icken, Dina (Dr. med.): Caffeine intake is related to successful weight loss maintenance

MHH-Signatur: D 80645

Langenberg, Svenja (Dr. med.): Körperliche Aktivität und neurokognitive Performanz bei präbariatrischen Patienten sind nicht assoziiert

MHH-Signatur: D 80608

Pabst, Christian (Dr. med.): Lebensqualität und psychosoziale Belastungen bei Patientinnen und Patienten mit pulmonaler arterieller Hypertonie

MHH-Signatur: D 80429

Söchtig, Johanna (Dr. med.): Zusammenhang zwischen exzessivem Sportverhalten und anderen pathologischen Verhaltensweisen

MHH-Signatur: D 80643

# Zentrum Augenheilkunde, Hals-Nasen-Ohren-Heilkunde, Phoniatrie und Pädaudiologie

## Klinik für Augenheilkunde – 6120

### Originalpublikationen

Abri Aghdam K, Reznicek L, Soltan Sanjari M, Framme C, Bajor A, Klingenstein A, Kernt M, Seidensticker F. Peripheral retinal non-perfusion and treatment response in branch retinal vein occlusion. *Int J Ophthalmol* 2016;9(6):858-862

Abri Aghdam K, Seidensticker F, Pielen A, Framme C, Junker B. The short-term effects of aflibercept on the size of choroidal neovascularization lesion in treatment-resistant neovascular age-related macular degeneration as determined by spectral-domain optical coherence tomography. *Lasers Surg Med* 2016;48(7):668-677

Aghdam KA, Pielen A, Framme C, Junker B. Visual and anatomic outcomes after conversion to aflibercept in neovascular age-related macular degeneration: 12-month results. *Eur J Ophthalmol* 2016;26(5):473-478

Bajor A, Luhr A, Brockmann D, Suerbaum S, Framme C, Sedlacek L. Listeria monocytogenes endophthalmitis - case report and review of risk factors and treatment outcomes. *BMC Infect Dis* 2016;16:332

Danzmann LM, Pielen A, Bajor A. Anti-VEGF Therapy for Retinal Vein Occlusion. *Int J Ophthalmic Res* 2016;2(1):110-116

Diem R, Molnar F, Beisse F, Gross N, Drüscher K, Heinrich SP, Joachimsen L, Rauer S, Pielen A, Sühs KW, Linker RA, Huchzermeyer C, Albrecht P, Hassenstein A, Aktas O, Guthoff T, Tonagel F, Kernstock C, Hartmann K, Kümpfel T, Hein K, van Oterendorp C, Grotejohann B, Ihorst G, Maurer J, Müller M, Volkmann M, Wildemann B, Platten M, Wick W, Heesen C, Schiefer U, Wolf S, Lagreze WA. Treatment of optic neuritis with erythropoietin (TONE): a randomised, double-blind, placebo-controlled trial-study protocol. *BMJ Open* 2016;6(3):e010956

Greb O, Abou Moulig W, Hufendiek K, Junker B, Framme C. Elektronische Visualisierung des ambulanten Patientenflows in einer Universitäts-Augenklinik. *Ophthalmologe* 2017;114(3):237-246

Hattenbach LO, Framme C, Junker B, Pielen A, Agostini H, Maier M. Intraoperative Echtzeit-OCT in der Makulachirurgie. *Ophthalmologe* 2016;113(8):656-662

Hoerauf H, Feltgen N, Weiss C, Paulus EM, Schmitz-Valckenberg S, Pielen A, Puri P, Berk H, Eter N, Wiedemann P, Lang GE, Rehak M, Wolf A, Bertelmann T, Hattenbach LO, COMRADE-C Study Group. Clinical Efficacy and Safety of Ranibizumab versus Dexamethasone for Central Retinal Vein Occlusion (COMRADE C): A European Label Study. *Am J Ophthalmol* 2016;169(258):267

Hufendiek K, Pielen A, Framme C. Injektionsstrategien bei der Anwendung intravitrealer VEGF-Inhibitoren: "Pro Re Nata versus Treat and Extend". *Klin Monbl Augenheilkd* 2017;DOI: 10.1055/s-0042-122340

Januschowski K, Feltgen N, Pielen A, Spitzer B, Rehak M, Spital G, Dimopoulos S, Bevacizumab Study Group Venous Occlusion, Meyer CH, Szurman GB. Predictive factors for functional improvement following intravitreal bevacizumab injections after central retinal vein occlusion. *Graefes Arch Clin Exp Ophthalmol* 2017;255(3):457-462

Junker B, Maier M, Agostini H, Hattenbach LO, Pielen A, Framme C. Intraoperative optische Kohärenztomographie bei Ablatio retinae. *Ophthalmologe* 2016;113(8):663-667

Matthias B, Zabic M, Brockmann D, Krüger A, Ripken T. Adaptive optics assisted and optical coherence tomography guided fs-laser system for ophthalmic surgery in the posterior eye. *J Biomed Opt* 2016;21(12):121512

Pul R, Osmanovic A, Schmalstieg H, Pielen A, Pars K, Schwenkenbecher P, Sühs KW, Yildiz Ö, Frank B, Stangel M, Skripuletz T. Fingolimod Associated Bilateral Cystoid Macular Edema-Wait and See? *Int J Mol Sci* 2016;17(12):E2106

Pul R, Saadat M, Morbiducci F, Skripuletz T, Pul Ü, Brockmann D, Sühs KW, Schwenkenbecher P, Kahl KG, Pars K, Stangel M, Trebst C. Longitudinal time-domain optic coherence study of retinal nerve fiber layer in IFN $\beta$ -treated and untreated multiple sclerosis patients. *Exp Ther Med* 2016;12(1):190-200

Szurman GB, Januschowski K, Szurman P, Feltgen N, Spitzer B, Pielen A, Rehak M, Spital G, Dimopoulos S, Bevacizumab Study Group Venous Occlusion, Meyer CH. Injection scheme for intravitreal bevacizumab therapy for macular oedema due to central retinal vein occlusion: results of a multicentre study. *Acta Ophthalmol* 2017;85(3):e245-e246

Todt M, Awe M, Roesler B, Germerott T, Debertin AS, Fieguth A. Häusliche Gewalt. *Rechtsmedizin* 2016;26(6):499-506

Walter P, Hellmich M, Baumgarten S, Schiller P, Limburg E, Agostini H, Pielen A, Helbig H, Lommatsch A, Rossler G, Mazinani B, VIPER Study Group. Vitrectomy with and without encircling band for pseudophakic retinal detachment: VIPER Study Report No 2-main results. *Br J Ophthalmol* 2016;DOI: 10.1136/bjophthalmol-2016-309240

Walz JM, Bemme S, Pielen A, Aisenbrey S, Breuss H, Alex AF, Wagenfeld L, Schiedel S, Krohne TU, Stahl A, Retina.net ROP Registry. The German ROP Registry: data from 90 infants treated for retinopathy of prematurity. *Acta Ophthalmol* 2016;94(8):e744-e752

#### Case reports

Bajor A, Lang CP, Bültmann E, Framme C, Hufendiek K. Orbitale Komplikation einer akuten Sinusitis : Orbitaphlegmone bei einem 10-jährigen Kind. *Ophthalmologe* 2017;114(4):365-369

#### Comments

Hoerauf H, Feltgen N, Weiss C, Paulus EM, Schmitz-Valckenberg S, Pielen A, Puri P, Berk H, Eter N, Wiedemann P, Lang GE, Rehak M, Wolf A, Bertelmann T, Hattenbach LO, COMRADE-C Study Group. Reply. Clinical Efficacy and Safety of Ranibizumab Versus Dexamethasone for Central Retinal Vein Occlusion (COMRADE C): A European Label Study. *Am J Ophthalmol* 2016;169:292-293

#### Editorials

Cursiefen C, Framme C. Intraoperative OCT-Technologie : Schöne Bilder oder mehr? *Ophthalmologe* 2016;113(8):644-645

#### Buchbeiträge, Monografien

Framme C. Myope Makuladegeneration und myope CNV. In: Maier M [Hrsg.]: Diagnose und Therapie der pathologischen Myopie. 2., neubearbeitete Auflage. Bremen: UNI-MED, 2016. S. 37-42

Pielen A, Junker B, Feltgen N. Retinal Vein Occlusion. In: Stahl A [Hrsg.]: Anti-Angiogenic Therapy in Ophthalmology. Berlin: Springer, 2016. (Essentials in Ophthalmology). S. 131-138

## Klinik für Hals-, Nasen-, Ohrenheilkunde – 6500

#### Originalpublikationen

Aliuos P, Schulze J, Schomaker M, Reuter G, Stolle SR, Werner D, Ripken T, Lenarz T, Warnecke A. Magnetic Beads Enhance Adhesion of NIH 3T3 Fibroblasts: A Proof-of-Principle In Vitro Study for Implant-Mediated Long-Term Drug Delivery to the Inner Ear *PLoS One* 2016;11(2):e0150057

Alzhrani F, Lenarz T, Teschner M. Facial palsy following cochlear implantation. *Eur Arch Otorhinolaryngol* 2016;273(12):4199-4207

Bauernfeind Günther, Sabine H, Thomas L. fNIRS for future use in auditory diagnostics. *Current Directions in Biomedical Engineering* 2016;2(1):229

Burblies N, Schulze J, Schwarz HC, Kranz K, Motz D, Vogt C, Lenarz T, Warnecke A, Behrens P. Coatings of Different Carbon Nanotubes on Platinum Electrodes for Neuronal Devices: Preparation, Cytocompatibility and Interaction with Spiral Ganglion Cells. *PLoS One* 2016;11(7):e0158571

Burke WF, Warnecke A, Schöner-Heinisch A, Lesinski-Schiedat A, Maier H, Lenarz T. Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. *Hear Res* 2016;333:77-86

Busch S, Lenarz T, Maier H. Comparison of Alternative Coupling Methods of the Vibrant Soundbridge Floating Mass Transducer. *Audiol Neurotol* 2017;21(6):347-355

Duda F, Lipokatic-Takacs E, Loos A, Lüdtke N, Wilhelm M, Kampmann A, Voigt H, Schubert C, Elff M, Lenarz T, Haverich A. Institutional and sociopolitical factors in supporting clinical translation: the case of biomedical implant research in Hannover, Germany. *BioNanoMat* 2016;17(1-2):89-92

Dyballa KH, Hehrmann P, Hamacher V, Lenarz T, Buechner A. Transient Noise Reduction in Cochlear Implant Users: a Multi-Band Approach. *Audiol Res* 2016;6(2):154

Eifler R, Seitz JM, Weber CM, Grundke S, Reifenrath J, Kietzmann M, Lenarz TH, Maier HJ, Klose C, Durisin M. MgNd<sub>2</sub> alloy in contact with nasal mucosa: an in vivo and in vitro approach. *J Mater Sci Mater Med* 2016;27(2):25

Finke M, Billinger M, Büchner A. Toward Automated Cochlear Implant Fitting Procedures Based on Event-Related Potentials. *Ear Hear* 2017;38(2):e118-e127

Finke M, Büchner A, Ruigendijk E, Meyer M, Sandmann P. On the relationship between auditory cognition and speech intelligibility in cochlear implant users: An ERP study. *Neuropsychologia* 2016;87:169-181

Finke M, Sandmann P, Bönitz H, Kral A, Büchner A. Consequences of Stimulus Type on Higher-Order Processing in Single-Sided Deaf Cochlear Implant Users. *Audiol Neurotol* 2016;21(5):305-315

Gärtner L, Lesinski-Schiedat A, Büchner A, Lenarz T. Kopfschmerzen und Abnahme des Sprachverständnisses bei einem Patienten mit einseitigem Cochlea-Implantat. *Laryngorhinootologie* 2016;95(8):559-560

Genzel S, Sen Richter A, Reich U, Menzel H, Reuter G, Lenarz T, Paasche G. Fibroblast growth on patterned polymeric coatings. *Phys Status Solidi A Appl Mater Sci* 2016;213(6):1456-1462

Gerdes T, Salcher RB, Schwab B, Lenarz T, Maier H. Comparison of Audiological Results Between a Transcutaneous and a Percutaneous Bone Conduction Instrument in Conductive Hearing Loss. *Otol Neurotol* 2016;37(6):685-691

Ghoncheh M, Lilli G, Lenarz T, Maier H. Outer ear canal sound pressure and bone vibration measurement in SSD and CHL patients using a transcutaneous bone conduction instrument. *Hear Res* 2016;340:161-168

Grossöhmichen M, Salcher R, Lenarz T, Maier H. The Effect of Simulated Mastoid Obliteration on the Mechanical Output of Electromagnetic Transducers. *Otol Neurotol* 2016;37(7):919-925

Grossöhmichen M, Salcher R, Püschel K, Lenarz T, Maier H. Differential Intracochlear Sound Pressure Measurements in Human Temporal Bones with an Off-the-Shelf Sensor. *Biomed Res Int* 2016;2016:6059479

Hadler C, Aliuos P, Brandes G, Warnecke A, Bohlmann J, Dempwolf W, Menzel H, Lenarz T, Reuter G, Wissel K. Polymer Coatings of Cochlear Implant Electrode Surface - An Option for Improving Electrode-Nerve-Interface by Blocking Fibroblast Overgrowth. *PLoS One* 2016;11(7):e0157710

Haumann S, Bauernfeind G, Bleichner MG, Teschner MJ, Debener SD, Lenarz T. Epidural Recordings of Auditory Evoked Potentials in Cochlear Implant Users: First Experiences. *Journal of Otology & Rhinology* 2016;5(5):DOI: 10.4172/2324-8785.1000292

Hügl S, Eckardt F, Lexow GJ, Majdani O, Lenarz T, Rau TS. Increasing the resolution of morphological 3D image data sets through image stitching: application to the temporal bone. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization* 2016;1:8

Hügl S, Griebel S, Zentner L, Lenarz T, Majdani O, Rau T. Analysis of Fluid-Actuated Cochlear Implant Electrode-Carrier. *caMe* 2016;7(1):23-26

Illg A, Haack M, Esser-Leyding B, Büchner A. Langzeitergebnisse, schulische und berufliche Perspektiven bei Cochlea-Implantat-Trägern. *Hörgeschädigtenpädagogik* 2016;70(5):187-192

Kludt E, Büchner A, Schwab B, Lenarz T, Maier H. Indication of direct acoustical cochlea stimulation in comparison to cochlear implants. *Hear Res* 2016;340:185-190

Koch T, Lenarz T, Stolle S. Nasennebenhöhlenoperation mit gleichzeitiger Rhinoplastik - Indikation, Risiken und Chancen. *Laryngorhinootologie* 2016;95(6):399-403

Kuru I, Maier H, Müller M, Lenarz T, Lueth TC. A 3D-printed functioning anatomical human middle ear model Hear Res 2016;340:204-213

Lamm H, Müller-Kortkamp C, Warnecke A, Pohl F, Paasche G, Lenarz T, Stolle SR. Concurrent hyperbaric oxygen therapy and intratympanic steroid application as salvage therapy after severe sudden sensorineural hearing loss Clin Case Rep 2016;4(3):287-293

Lenarz T. Technologie. Hightech-Zentrum Krankenhaus. Trendsout. f & w 2015;32(12):1103

Lexow GJ, Schurzig D, Gellrich NC, Lenarz T, Majdani O, Rau TS. Visualization, measurement and modelling of the cochlea using rotating midmodiolar slice planes Int J Comput Assist Radiol Surg 2016;11(10):1855-1869

Lyutenski S, Schwab B, Lenarz T, Salcher R, Majdani O. Impact of the surgical wound closure technique on the revision surgery rate after subtotal petrosectomy Eur Arch Otorhinolaryngol 2016;273(11):3641-3646

Nogueira W, Litvak L, Landsberger DM, Büchner A. Loudness and Pitch Perception using Dynamically Compensated Virtual Channels Hear Res 2017;344:223-234

Nogueira W, Rode T, Büchner A. Optimization of a Spectral Contrast Enhancement Algorithm for Cochlear Implants Based on a Vowel Identification Model Adv Exp Med Biol 2016;894:93-104

Nogueira W, Rode T, Büchner A. Spectral contrast enhancement improves speech intelligibility in noise for cochlear implants J Acoust Soc Am 2016;139(2):728-739

Nogueira W, Schurzig D, Büchner A, Penninger RT, Würfel W. Validation of a Cochlear Implant Patient-Specific Model of the Voltage Distribution in a Clinical Setting Front Bioeng Biotechnol 2016;4:84

Pohl F, Paasche G, Lenarz T, Schuon R. Tympanometric measurements in conscious sheep - a diagnostic tool for pre-clinical middle ear implant studies Int J Audiol 2017;56(1):53-61

Pons J, Janer J, Rode T, Nogueira W. Remixing music using source separation algorithms to improve the musical experience of cochlear implant users. J Acoust Soc Am 2016;140(6):4338-4349

Raths S, Lenarz T, Lesinski-Schiedat A, Flessa S. Kostenanalyse der unilateralen Cochlea-Implantatversorgung bei Erwachsenen Laryngorhinootologie 2016;95(4):251-257

Rau TS, Harbach L, Pawsey N, Kluge M, Erfurt P, Lenarz T, Majdani O. Insertion trauma of a cochlear implant electrode array with Nitinol inlay Eur Arch Otorhinolaryngol 2016;273(11):3573-3585

Roemer A, Köhl U, Majdani O, Klöß S, Falk C, Haumann S, Lenarz T, Kral A, Warnecke A. Biohybrid cochlear implants in human neurosensory restoration. Stem Cell Res Ther 2016;7(1):148

Roger Y, Schäck LM, Koroleva A, Noack S, Kurselis K, Krettek C, Chichkov B, Lenarz T, Warnecke A, Hoffmann A. Grid-like surface structures in thermoplastic polyurethane induce anti-inflammatory and anti-fibrotic processes in bone marrow-derived mesenchymal stem cells Colloids Surf B Biointerfaces 2016;148:104-115

Schäck L, Budde S, Lenarz T, Krettek C, Gross G, Windhagen H, Hoffmann A, Warnecke A. Induction of neuronal-like phenotype in human mesenchymal stem cells by overexpression of Neurogenin1 and treatment with neurotrophins Tissue Cell 2016;48(5):524-532

Scheper V, Leifholz M, von der Leyen H, Keller M, Denkena U, Koch A, Karch A, Miller J, Lenarz T. ACEMg-mediated hearing preservation in cochlear implant patients receiving different electrode lengths (PROHEARING): study protocol for a randomized controlled trial. Trials 2016;17:394

Schurzig D, Lexow GJ, Majdani O, Lenarz T, Rau TS. Three-dimensional modeling of the cochlea by use of an arc fitting approach. Comput Methods Biomed Engin 2016;19(16):1785-1799

Schurzig D, Rau TS, Wallaschek J, Lenarz T, Majdani O. Determination of optimal excitation patterns for local mechanical inner ear stimulation using a physiologically-based model Biomed Microdevices 2016;18(2):36

Schwieger J, Esser KH, Lenarz T, Scheper V. Establishment of a long-term spiral ganglion neuron culture with reduced glial cell number: Effects of AraC on cell composition and neurons J Neurosci Methods 2016;268:106-116

Sennaroğlu L, Colletti V, Lenarz T, Manrique M, Laszig R, Rask-Andersen H, Göksu N, Offeciers E, Saeed S, Behr R, Bayazit Y, Casselman J, Freeman S, Kileny P, Lee DJ, Shannon RV, Kameswaran M, Hagr A, Zarowski A, Schwartz MS, Bilginer B, Kishore A, Sennaroğlu G, Yücel E, Saraç S, Ataş A, Colletti L, O'Driscoll M, Moon IS, Gärtner L, Huarte A, Nyberg G, Mocan BÖ, Atay G, Bajin MD, Çınar BÇ, Batuk MÖ, Yarali M, Aydinli FE, Aslan F, Kirazlı MC, Özkan HB, Hans JM, Kosaner J, Polak M. Consensus statement: Long-term results of ABI in children with complex inner ear malformations and decision making between CI and ABI Cochlear Implants Int 2016;17(4):163-171

Stieghorst J, Doll T. Dispersed Hydrogel Actuator for Modiolar Hugging Cochlear Implant Electrode Arrays IEEE Trans Biomed Eng 2016;63(11):2294-2300

Stieghorst J, Majaura D, Wevering H, Doll T. Toward 3D Printing of Medical Implants: Reduced Lateral Droplet Spreading of Silicone Rubber under Intense IR Curing ACS Appl Mater Interfaces 2016;8(12):8239-8246

Suhling MC, Majdani O, Salcher R, Leifholz M, Büchner A, Lesinski-Schiedat A, Lenarz T. The Impact of Electrode Array Length on Hearing Preservation in Cochlear Implantation. Otol Neurotol 2016;37(8):1006-1015

Teschner M, Lenarz T. Marketing von Gesundheitsleistungen in Hals-, Nasen-, Ohrenkliniken Laryngorhinootologie 2016;95(7):470-476

Teschner M. Evidenz und Evidenzlücken zur Behandlung der gestörten Mittelohrbelüftung sowie der Otitis media. Laryngorhinootologie 2016;95 Suppl 1:S136-54

Teschner MJ, Seybold BA, Malone BJ, Hüning J, Schreiner CE. Effects of Signal-to-Noise Ratio on Auditory Cortical Frequency Processing. J Neurosci 2016;36(9):2743-2756

Thiel CM, Özourt J, Nogueira W, Puschmann S. Effects of Age on Long Term Memory for Degraded Speech Front Hum Neurosci 2016;10:473

van Drunen WJ, Schurzig D, Kiewning M, Schwartendahl S, Wallaschek J, Rau TS, Lenarz T, Majdani O. Feasibility Analysis of a piezoelectric cochlear implant. caMe 2016;7(1):27-33

Wilk M, Hessler R, Mugridge K, Jolly C, Fehr M, Lenarz T, Scheper V. Impedance Changes and Fibrous Tissue Growth after Cochlear Implantation Are Correlated and Can Be Reduced Using a Dexamethasone Eluting Electrode. PLoS One 2016;11(2):e0147552

Zentner L, Hügl S, Wystup C, Griebel S, Issa M, Rau TS, Majdani O. Compliant electrode carrier for cochlear implant with fluidic actuation. Forsch Ingenieurwes 2016;80(1):57-69

## Promotionen

Burke, William Francis (Dr. med.): Prevalence and audiological profiles of patients with mutations of the GJB2 gene  
MHH-Signatur: D 80456

Hüning, Jana Lea (Dr. med. dent.): Überprüfung der Nonmonotonitätshypothese des primären auditorischen Cortex AI mit Hilfe des HSM- und Freiburger-Satztests  
MHH-Signatur: D 80633

Janssen, Heike Christine Anne (Dr. med. vet.): Elektrophysiologische Untersuchung des Effektes neurotropher Behandlungen bei gehörlosen Katzen

Pohl, Friederike (PhD): Stenting of the Tuba auditiva Eustachii as a valid treatment concept in chronic otitis media, chroinic auditory tube dysfunction and its sequelae implementation of a large animal model

Sandmann, Tobias (Dr. med. dent.): Morphometrische Betrachtung der Anatomie sowie der intracochleären Elektrodenlage bei Cochlea-Implantat-Trägern anhand der digitalen Volumentomografie im Vergleich zum Resthörvermögen  
MHH-Signatur: D 80659

Wieselmann, Boris (Dr. med. dent.): Untersuchungen zum Einfluss des Cochleaimplantat-Elektrodentyps auf das Auftreten postoperativen Schwindels eine prospektive Studie  
MHH-Signatur: D 80474

Wuttke, Katharina (Dr. med. dent.): Untersuchungen zur Korrelation von Impedanzwerten nach Cochlea-Implantation mit den T- und C-Leveln  
MHH-Signatur: D 80472

## Abteilung Experimentelle Otologie – 8891

### Originalpublikationen

Avcı E, Nauwelaers T, Hamacher V, Kral A. Three-Dimensional Force Profile During Cochlear Implantation Depends on Individual Geometry and Insertion Trauma. *Ear Hear* 2017;38(3):e168-e179

Blödow A, Begandt D, Bader A, Becker A, Burghard A, Kühne D, Kral A, Ngezahayo A. ATP-sensitive K(+) channels (Kir6.1/SUR1) regulate gap junctional coupling in cochlear-supporting cells. *Pflugers Arch* 2016;468(7):1215-1222

Butler BE, Chabot N, Kral A, Lomber SG. Origins of thalamic and cortical projections to the posterior auditory field in congenitally deaf cats. *Hear Res* 2017;343:118-127

Eggermont JJ, Kral A. Somatic memory and gain increase as preconditions for tinnitus: Insights from congenital deafness. *Hear Res* 2016;333:37-48

Finke M, Sandmann P, Bönitz H, Kral A, Büchner A. Consequences of Stimulus Type on Higher-Order Processing in Single-Sided Deaf Cochlear Implant Users. *Audiol Neurotol* 2016;21(5):305-315

Kallweit N, Baumhoff P, Krueger A, Tinne N, Kral A, Ripken T, Maier H. Optoacoustic effect is responsible for laser-induced cochlear responses. *Sci Rep* 2016;6:28141

Knerding WS, Zimmermann E, Bleich E, Hedrich HJ, Scheumann M. Female cats, but not males, adjust responsiveness to arousal in the voice of kittens. *BMC Evol Biol* 2016;16(1):157

Kral A, Kronenberger WG, Pisoni DB, O'Donoghue GM. Neurocognitive factors in sensory restoration of early deafness: a connectome model. *Lancet Neurol* 2016;15(6):610-621

Kral A, Yusuf PA, Land R. Higher-order auditory areas in congenital deafness: Top-down interactions and corticocortical decoupling. *Hear Res* 2017;343:50-63

Kral A. Pathophysiologie des Hörverlusts : Klassifikation und Therapieoptionen. *HNO* 2017;65(4):290-297

Land R, Baumhoff P, Tillein J, Lomber SG, Hubka P, Kral A. Cross-Modal Plasticity in Higher-Order Auditory Cortex of Congenitally Deaf Cats Does Not Limit Auditory Responsiveness to Cochlear Implants. *J Neurosci* 2016;36(23):6175-6185

Land R, Burghard A, Kral A. The contribution of inferior colliculus activity to the auditory brainstem response (ABR) in mice. *Hear Res* 2016;341:109-118

Roemer A, Köhl U, Majdani O, Klöß S, Falk C, Haumann S, Lenarz T, Kral A, Warnecke A. Biohybrid cochlear implants in human neurosensory restoration. *Stem Cell Res Ther* 2016;7(1):148

Tillein J, Hubka P, Kral A. Monaural Congenital Deafness Affects Aural Dominance and Degrades Binaural Processing. *Cereb Cortex* 2016;26(4):1762-1777

## Klinik für Phoniatrie und Pädaudiologie – 6510

### Originalpublikationen

Jungheim M, Busche A, Miller S, Schilling N, Schmidt-Thieme L, Ptak M. Calculation of upper esophageal sphincter restitution time from high resolution manometry data using machine learning. *Physiol Behav* 2016;165:413-424

Jungheim M, Donner S, Bleeker S, Ripken T, Krueger A, Ptak M. Effect of saline inhalation on vocal fold epithelial morphology evaluated by optical coherence tomography. *Laryngoscope* 2016;126(10):E332-6

Kühn D, Miller S, Ptak M. Phonetisch-phonologische Störungen: Diagnostik und Therapie aus phoniatischer Sicht. *Forum HNO* 2016(6):309

Ptok M, Kuhn D, Miller S, Jungheim M, Schroeter S. Larynxreflexe und larynxassoziierte Reflexe. HNO 2016;64(6):435-444

Ptok M, Kühn D, Miller S, Koch T, Jungheim M. Diagnostik auditiver Verarbeitungs- und Wahrnehmungsstörungen. Sprachförderung und Sprachtherapie in Schule und Praxis 2016(3):114-119

Ptok M, Schroeter S. Charakterisierung des laryngealen Adduktionsreflexes durch Stimulation mit Mikrotröpfchen-Impulsen (microdroplet impulse testing). Laryngorhinootologie 2016;95(7):482-489

Ptok M, Schroeter S. Gezielte Auslösung des laryngealen Adduktionsreflexes per Mikrotröpfchenabgabe: Entwicklung einer Vorrichtung. HNO 2016;64(3):149-155

### **Übersichtsarbeiten**

Ptok M, Miller S, Kühn D. Diagnostik auditiver Verarbeitungs- und Wahrnehmungsstörungen bei Kindern HNO 2016;64(4):271-83; quiz 284-5

### **Promotionen**

Clemens, Eva Helene Melanie (Dr. med. dent.): Untersuchungen zur kortikalen pharyngo-ösophagealen Projektion  
MHH-Signatur: D 80394

Schroeter, Sarah (Dr. med. dent.): Hochgeschwindigkeits- und elektroglottographische Analyse des laryngealen Adduktionsreflexes  
MHH-Signatur: D 80650

## **Zentrum Zahn-, Mund- und Kieferheilkunde**

### **Klinik für Kieferorthopädie – 7730**

#### **Originalpublikationen**

Bock NC, Ruf S, Wiechmann D, Jilek T. Herbst plus Lingual versus Herbst plus Labial: a comparison of occlusal outcome and gingival health. Eur J Orthod 2016;38(5):478-484

Daratsianos N, Bourauel C, Fimmers R, Jäger A, Schwestka-Polly R. In vitro biomechanical analysis of torque capabilities of various 0.018" lingual bracket-wire systems: total torque play and slot size. Eur J Orthod 2016;38(5):459-469

Melsen B. The role of orthodontics in the regeneration of the degenerated dentition. J Oral Rehabil 2016;43(3):226-237

Pauls A, Nienkemper M, Schwestka-Polly R, Wiechmann D. Behandlungsgenauigkeit der vollständig individuellen lingualen Apparatur WIN : Eine retrospektive Kohortenstudie J Orofac Orthop 2017;78(1):52-61

### **Promotionen**

Metzner, Rebecca Frederike (Dr. med. dent.): Vergleichende Untersuchung zur Verankerungsqualität von Mikroschrauben und der Herbst-Apparatur in Kombination mit Lingualtechnik bei der Mesialisierung von Unterkiefermolaren ohne Ausgleichsextraktionen im Gegenkiefer  
MHH-Signatur: D 80459

Reuschl, Ralph Philip (Dr. med. dent.): Die digitale Modellanalyse von 3D Laser-gescannten Kiefermodellen im Vergleich mit der analogen Auswertung von Gipsmodellen  
MHH-Signatur: D 80385

### **Masterarbeiten**

Hahn, Marion (M.Sc. Lingual Orthodontics): Orthodontic treatment of adolescents with a completely customized lingual appliance : practicability in daily routine  
MHH-Signatur: D 80534

Jacobs, Collin (M.Sc. Lingual Orthodontics): Single tooth torque correction in the lower frontal area by a completely customized lingual appliance  
MHH-Signatur: D 80535

Jacobs, Viviana (M.Sc. Lingual Orthodontics): Root resorptions after therapy with a completely customized lingual appliance with and without extratorque  
MHH-Signatur: D 80536

Kavanagh, Conal (M.Sc. Lingual Orthodontics): Seating forces produced by six different ligation modules for second order control with a completely customized lingual appliance  
MHH-Signatur: D 80537

Minch, Liwia (M.Sc. Lingual Orthodontics): The effect of the forces and moments on maxillary anterior and posterior teeth and on occlusion with a completely customized lingual appliance - a FEM study  
MHH-Signatur: D 80538

## Klinik für Mund-, Kiefer- und Gesichtschirurgie – 7720

### Originalpublikationen

Bormann KH, Weber K, Kloppenburg H, Koch A, Meiser P, Gellrich NC. Perioperative Bromelain Therapy after Wisdom Teeth Extraction - A Randomized, Placebo-Controlled, Double-Blinded, Three-Armed, Cross-Over Dose-Finding Study. *Phytother Res* 2016;30(12):2012-2019

Duda F, Lipokatic-Takacs E, Loos A, Lüdtke N, Wilhelm M, Kampmann A, Voigt H, Schubert C, Elff M, Lenarz T, Haverich A. Institutional and sociopolitical factors in supporting clinical translation: the case of biomedical implant research in Hannover, Germany. *BioNanoMat* 2016;17(1-2):89-92

Lemound J, Schenk M, Keller G, Stucki-Koch A, Witting S, Kreipe H, Hussein K. Cytogenetic and immunohistochemical biomarker profiling of therapy-relevant factors in salivary gland carcinomas *J Oral Pathol Med* 2016;45(9):655-663

Lexow GJ, Schurzig D, Gellrich NC, Lenarz T, Majdani O, Rau TS. Visualization, measurement and modelling of the cochlea using rotating midmodiolar slice planes *Int J Comput Assist Radiol Surg* 2016;11(10):1855-1869

Lichtenstein JT, Zeller AN, Lemound J, Lichtenstein TE, Rana M, Gellrich NC, Wagner ME. 3D-Printed Simulation Device for Orbital Surgery. *J Surg Educ* 2017;74(1):2-8

Rahlf B, Ulmer F, Stiesch M, Gellrich NC, Pott PC. „Triple-Win“ in der Implantatprothetik durch koordinierte Kommunikation zwischen Patient, Zahntechniker und Chirurg. *ZWR* 2016;125(4):144-149

Rana M, Czens F, Wingartz F, Gellrich NC, Rana M. Doctors' tacit knowledge on coping processes of oral cancer patients: A qualitative study. *J Craniomaxillofac Surg* 2016;44(12):1977-1983

Spalthoff S, Zimmerer R, Dittmann O, Tavassol F, Dittmann J, Gellrich NC, Jehn P. Piezoelectric surgery and navigation: a safe approach for complex cases of Eagle syndrome. *Int J Oral Maxillofac Surg* 2016;45(10):1261-1267

Spalthoff S, Zimmerer R, Jehn P, Gellrich NC, Handschel J, Krüskenper G. Neck Dissection's Burden on the Patient: Functional and Psychosocial Aspects in 1,652 Patients With Oral Squamous Cell Carcinomas. *J Oral Maxillofac Surg* 2017;75(4):839-849

Stier R, Otte D, Müller C, Petri M, Gaulke R, Krettek C, Brand S. Effectiveness of Bicycle Safety Helmets in Preventing Facial Injuries in Road Accidents. *Arch Trauma Res* 2016;5(3):e30011

Stoetzer C, Papenberg B, Doll T, Völker M, Heineke J, Stoetzer M, Wegner F, Leffler A. Differential inhibition of cardiac and neuronal Na(+) channels by the selective serotonin-norepinephrine reuptake inhibitors duloxetine and venlafaxine *Eur J Pharmacol* 2016;783:1-10

Zimmerer RM, Ellis E, Aniceto GS, Schramm A, Wagner ME, Grant MP, Cornelius CP, Strong EB, Rana M, Chye LT, Calle AR, Wilde F, Perez D, Tavassol F, Bittermann G, Mahoney NR, Alamillos MR, Basic J, Dittmann J, Rasse M, Gellrich NC. A prospective multicenter study to compare the precision of posttraumatic internal orbital reconstruction with standard preformed and individualized orbital implants. *J Craniomaxillofac Surg* 2016;44(9):1485-1497

Zimmerer RM, Jehn P, Kokemüller H, Abedian R, Lalk M, Tavassol F, Gellrich NC, Spalthoff S. In vivo tissue engineered bone versus autologous bone: stability and structure. *Int J Oral Maxillofac Surg* 2017;46(3):385-393

## **Abstract**

Gellrich NC, Rahlf B, Steigenberger C, Pott PC, Eisenburger M, Stiesch M, Rana M. Die Revolution der Medizin-Technik geht weiter! Innovative Herstellung Patienten-spezifischer multivektor-knochenverankerter dentaler 3D-Rekonstrukte - eine neue Methode der komplexen Rekonstruktion im Kiefer-Gesichtsbereich. 66. Kongress der DGMKG, Juni 2016, Hamburg

Pott PC, Ulmer F, Rahlf B, Gellrich NC, Stiesch M. Triple-Win for patient, dentist and surgeon : navigation-splints in implantology. 40th Annual Conference of the European Prosthodontic Association (EPA) and 65th Annual Conference of the German Society for Prosthetic Dentistry and Biomaterials (DGPro), September 2016, Halle/Saale

## **Promotionen**

Bokelmann, Barbara (Dr. med. dent.): In vivo Analyse der Mikrohämodynamik, der Inflammationsreaktion sowie der Defektheilung des Periostes und die Auswirkung von Ibandronat mit Hilfe der intravitalen Fluoreszenzmikroskopie  
MHH-Signatur: D 80460

Hänschen, Madeleine (Dr. med. dent.): Die Effektivität von Reciproc® bei der Revision von Wurzelfüllungen in geraden Kanälen im Vergleich mit zwei etablierten Methoden eine In-vitro-Studie  
MHH-Signatur: D 80366

Khoschdell, Maizam (Dr. med. dent.): Die Rolle von Lebensqualität und psychischer Belastung in der Krankheitsverarbeitung von Patienten mit einem oralen Plattenepithelkarzinom  
MHH-Signatur: D 80660

Ludwig, Nils (Dr. med.): Tumorangiogenese durch CD24+ Tumorstammzellen in Karzinomen der Kopf-Hals-Region in der Rückenhautkammer der NODSCID-Maus  
MHH-Signatur: D 80661

Madry, Anna-Friederike (Dr. med. dent.): Fluoreszenz- unterstützte Diagnostik von Tumorerkrankungen der Mundhöhle mit dem VELscope - eine prospektive, klinische Studie  
MHH-Signatur: D 80354

Reinke, Christiane (Dr. med. dent.): Einfluss des Umgebungsdrucks auf die Retentionskraft und Dichtigkeit verschiedener Wurzelkanalstifte  
MHH-Signatur: D 80411

Terwollen, Kristina Maria Friederike (Dr. med. dent.): Klinische Nachuntersuchung von einfachen bis komplexen Orbita-Jochbeinfrakturen  
MHH-Signatur: D 80720

Zimmerer, Rüdiger Martin (Dr. med. dent.): Mikrostruktur und biomechanische Evaluation vaskularisierter, präfabrizierter, bioartifizieller Konstrukte  
MHH-Signatur: D 80398

## **Klinik für Zahnärztliche Prothetik und Biomedizinische Werkstoffkunde – 7710**

### **Originalpublikationen**

Andric N, Ehmke T, Stumpf NS, Ripken T, Heisterkamp A, Stiesch M. Nonlinear laser scanning microscopy of oral multispecies-biofilms: fixative induced fluorescence as a fast and economical in vitro screening method. BioNanoMaterials 2016;17(1-2):73-77

Calliess T, Bartsch I, Haupt M, Reebmann M, Schwarze M, Stiesch M, Pfaffenroth C, Slusznik M, Dempwolf W, Menzel H, Witte F, Willbold E. In vivo comparative study of tissue reaction to bare and antimicrobial polymer coated transcutaneous implants. Mater Sci Eng C Mater Biol Appl 2016;61:712-719

Cogan NG, Rath H, Kommerein N, Stumpf SN, Stiesch M. Theoretical and experimental evidence for eliminating persister bacteria by manipulating killing timing FEMS Microbiol Lett 2016;363(23):DOI: 10.1093/femsle/fnw264

Doll K, Fadeeva E, Stumpf NS, Grade S, Chichkov BN, Stiesch M. Reduced bacterial adhesion on titanium surfaces micro-structured by ultra-short pulsed laser ablation. BioNanoMaterials 2016;17(1-2):53-57

Doll K, Jongsthaphongpun KL, Stumpp NS, Winkel A, Stiesch M. Quantifying implant-associated biofilms: Comparison of microscopic, microbiologic and biochemical methods J Microbiol Methods 2016;130:61-68

Eberhard J, Stumpp N, Winkel A, Schrimpf C, Bisdas T, Orzak P, Teebken OE, Haverich A, Stiesch M. Streptococcus mitis and Gemella haemolysans were simultaneously found in atherosclerotic and oral plaques of elderly without periodontitis-a pilot study Clin Oral Investig 2017;21(1):447-452

Fullriede H, Abendroth P, Ehlert N, Doll K, Schäcke J, Winkel A, Stumpp SN, Stiesch M, Behrens P. pH-responsive release of chlorhexidine from modified nanoporous silica nanoparticles for dental applications. BioNanoMaterials 2016;17(1-2):59-72

Grischke J, Eberhard J, Stiesch M. Antimicrobial dental implant functionalization strategies -A systematic review Dent Mater J 2016;35(4):545-558

Ismail F, Eisenburger M, Grade S, Stiesch M. In situ Biofilm Formation on Titanium, Gold Alloy and Zirconia Abutment Materials. Dentistry 2016(6):400

Jörn D, Kohorst P, Besdo S, Borchers L, Stiesch M. Three-Dimensional Nonlinear Finite Element Analysis and Microcomputed Tomography Evaluation of Microgap Formation in a Dental Implant Under Oblique Loading Int J Oral Maxillofac Implants 2016;31(3):e32-42

Mundt T, Passia N, Att W, Heydecke G, Freitag-Wolf S, Luthardt RG, Kappel S, Konstantinidis IK, Stiesch M, Wolfart S, Kern M. Pain and discomfort following immediate and delayed loading by overdentures in the single mandibular implant study (SMIS) Clin Oral Investig 2017;21(2):635-642

Omar M, Klawonn F, Brand S, Stiesch M, Krettek C, Eberhard J. Transcriptome-Wide High-Density Microarray Analysis Reveals Differential Gene Transcription in Periprosthetic Tissue From Hips With Chronic Periprosthetic Joint Infection vs Aseptic Loosening. J Arthroplasty 2017;32(1):234-240

Omar M, Suero EM, Lioudakis E, Reichling M, Guenther D, Decker S, Stiesch M, Krettek C, Eberhard J. Diagnostic performance of swab PCR as an alternative to tissue culture methods for diagnosing infections associated with fracture fixation devices. Injury 2016;47(7):1421-1426

Passia N, Att W, Freitag-Wolf S, Heydecke G, von Königsmark V, Freifrau von Maltzahn N, Mundt T, Rädel M, Schwindling FS, Wolfart S, Kern M. Single mandibular implant study - denture satisfaction in the elderly J Oral Rehabil 2017;44(3):213-219

Pott P, Rzasa A, Stiesch M, Eisenburger M. Marginal fit of indirect composite inlays using a new system for manual fabrication Eur J Paediatr Dent 2016;17(3):223-226

Pott PC, Harbig S, Schwabe L, Tschnitschek H. Technischer und finanzieller Nachsorgeaufwand für Patienten mit implantatgetragenem festzusetzendem Zahnersatz. ZWR 2016;125(4):132-137

Pott PC, Stiesch M, Eisenburger M. Influence of artificial aging on the shear bond strength of zirconia-composite interfaces after pretreatment with new 10-MDP adhesive systems. JDENT 2016;5(1):1-10

Rahlf B, Ulmer F, Stiesch M, Gellrich NC, Pott PC. „Triple-Win“ in der Implantatprothetik durch koordinierte Kommunikation zwischen Patient, Zahnarzt und Chirurg. ZWR 2016;125(4):144-149

Rand A, Kohorst P, Greuling A, Borchers L, Stiesch M. Stress Distribution in All-Ceramic Posterior 4-Unit Fixed Dental Prostheses Supported in Different Ways: Finite Element Analysis Implant Dent 2016;25(4):485-491

Soleimani M, Wriggers P, Rath H, Stiesch M. Numerical simulation and experimental validation of biofilm in a multi-physics framework using an SPH based method. Comput Mech 2016;58(4):619-633

Stiesch M. Biofabrication of medical implants. BioNanoMaterials 2016;17(1-2):1-2

Ulmer F, Tschnitschek H, Pott PC. Diagnostik der psoriatischen Arthritis im Kiefergelenk - Literaturübersicht mit Falldarstellung. DZZ 2016;77(1):59-69

von Maltzahn N, Stiesch M. Periimplantäre Entzündungen und Implantatprophylaxe. ZWR 2016;125(4):158-161

Waßmann M, Winkel A, Haak K, Dempwolf W, Stiesch M, Menzel H. Influence of quaternization of ammonium on antibacterial activity and cytocompatibility of thin copolymer layers on titanium J Biomater Sci Polym Ed 2016;27(15):1507-1519

Wloch A, Hong B, Abdallat M, Winkel A, Saryeva A, Lütjens G, Stiesch M, Krauss JK. Bacterial biofilm formation on neurostimulation systems. Movement Disorders 2016;31(S2):S703

Wuttke S, Zimpel A, Bein T, Braig S, Stoiber K, Vollmar A, Müller D, Haastert-Talini K, Schaeske J, Stiesch M, Zahn G, Mohmeyer A, Behrens P, Eickelberg O, Bölkbas DA, Meiners S. Validating Metal-Organic Framework Nanoparticles for Their Nanosafety in Diverse Biomedical Applications. Adv Healthc Mater 2017;6(2):1600818

### **Editorials**

Pott PC. „Young Dentists“ .... ZWR 2016;125(4):127-127

### **Buchbeiträge, Monografien**

Visser H, Tschenitschek H, Kramer FJ. Fachkunde Strahlenschutz : Skript zum Aktualisierungskurs der Zahnärztekammer Niedersachsen. Hannover: ZKN, 2017. 28 Seiten

### **Abstract**

Att W, Freitag-Wolf S, Heydecke G, von Königsmark V, von Maltzahn N, Mundt D, Raedel M, Schwindling S, Wolfart S, Kern M. 1751 - Single Dental Implant in the Edentulous Mandible - Patients Denture Satisfaction. Christian Albrechts Universität, 2016, Kiel  
Volltext: <http://dx.doi.org/10.1515/bnm-2016-1001>:

Feng D, Rath H, Neuweiler I, Nackenhorst U, Stumpp SN, Stiesch M. Numerical modeling of bacterial biofilm growth based on a experimental study. European Congress on Computational Methods in Applied Sciences and Engineering, 05.-10.06.2016, Crete, Greece

Gellrich NC, Rahlf B, Steigenberger C, Pott PC, Eisenburger M, Stiesch M, Rana M. Die Revolution der Medizin-Technik geht weiter! Innovative Herstellung Patienten-spezifischer multivektor-knochenverankerter dentaler 3D-Rekonstrukte - eine neue Methode der komplexen Rekonstruktion im Kiefer-Gesichtsbereich. 66. Kongress der DGMKG, Juni 2016, Hamburg

Pott PC, Ulmer F, Rahlf B, Gellrich NC, Stiesch M. Triple-Win for patient, dentist and surgeon : navigation-splints in implantology. 40th Annual Conference of the European Prosthodontic Association (EPA) and 65th Annual Conference of the German Society for Prosthetic Dentistry and Biomaterials (DGPro), September 2016, Halle/Saale

Robens N, Borchers L, Stiesch M. Wear behavior of different grinders during processing of zirconia abutments. AADR, 16.-19.3.2016, Los Angeles

Schmitz-Wätjen H, Stiesch M, Eisenburger M, Pott PC. Pulp-temperature during auto-polymerization of composites for temporary crowns. 40th Annual Conference of the European Prosthodontic Association (EPA) and 65th Annual Conference of the German Society for Prosthetic Dentistry and Biomaterials (DGPro), September 2016, Halle/Saale

Stelljes S, Waßmann M, Winkel A, Stiesch M, Menzel H. Antimikrobielle Copolymere zur Beschichtung von Zahnimplantaten. DGBM 2016, Aachen  
Volltext: <http://dx.doi.org/10.1515/bnm-2016-1001>

Szafranski SP, Grischke J, Tiede C, Stiesch M. Profiling of the Dental Implant Microbiome for Biomarker Discovery and Peri-Implantitis Diagnosis. 11th CeBiTec Symposium. Microbial Genomics and Metagenomics in Human Health and Disease, 2016, Bielefeld

### **Promotionen**

Hoffmann, Johannes-Philipp (Dr. med. dent.): Experimentelle In-vitro Untersuchung zur Polierbarkeit unterschiedlicher Werkstoffe mit diamantdurchsetzten Silikonpolierkörpern  
MHH-Signatur: D 80479

Nolte, Steffen (Dr. med. dent.): Der Einfluss der Brandführung und der Oberflächenbearbeitung auf die Niedrigtemperaturdegradation von Zirkoniumdioxidkeramik  
MHH-Signatur: D 80383

## Klinik für Zahnerhaltung, Parodontologie und Präventive Zahnheilkunde – 7740

### Originalpublikationen

Bakopoulou A, Papachristou E, Bousnaki M, Hadjichristou C, Kontonasaki E, Theocharidou A, Papadopoulou L, Kantiranis N, Zachariadis G, Leyhausen G, Geurtsen W, Koidis P. Human treated dentin matrices combined with Zn-doped, Mg-based bioceramic scaffolds and human dental pulp stem cells towards targeted dentin regeneration Dent Mater 2016;32(8):e159-75

Jacker-Guhr S, Ibarra G, Oppermann LS, Lührs AK, Rahman A, Geurtsen W. Evaluation of microleakage in class V composite restorations using dye penetration and micro-CT Clin Oral Investig 2016;20(7):1709-1718

Meyer K, Günay H. Zahnärztliche Gesundheitsförderung - Ein Konzept der Medizinischen Hochschule Hannover. Plaque n care 2016;10(2):86-90

Müller WE, Nefurth M, Tolba E, Wang S, Geurtsen W, Feng Q, Schröder HC, Wang X. A biomimetic approach to ameliorate dental hypersensitivity by amorphous polyphosphate microparticles Dent Mater 2016;32(6):775-783

### Promotionen

Oppermann, Lisa Sophie (Dr. med. dent.): Die Untersuchung des Microleakage in Klasse-V-Kavitäten unter Verwendung des Farbstoff-penetrationstests und der Mikrocomputertomographie  
MHH-Signatur: D 80431

Reinken, Ina Maria (Dr. med. dent.): Interdisziplinäre Gesundheitsförderung Ergebnisse eines zahnärztlichen Frühpräventionskonzeptes bei Kindern ab dem dritten Lebensjahr  
MHH-Signatur: D 80689

Rimkus, Julia (Dr. med. dent.): Wie biokompatibel sind Komponenten zahnärztlicher Füllungswerkstoffe? Die gentoxische Wirkung des Photoinitiators Campherchinon und des Coinitiators N,N-Dimethyl-p-toluidin auf humane intestinale Zellen  
MHH-Signatur: D 80655

## Kliniken/Institute der Sektion III ohne Zentrumszuordnung

### Klinik für Anästhesiologie und Intensivmedizin – 8050

#### Originalpublikationen

Bobylev D, Warnecke G, Dennhardt N, Horke A. Giant pleuropulmonary blastoma. Eur J Cardiothorac Surg 2016;50(6):1215-1216

Boehne M, Baustert M, Paetzel V, Boethig D, Köditz H, Dennhardt N, Beerbaum P, Bertram H. Feasibility and Accuracy of Cardiac Right-to-Left-Shunt Detection in Children by New Transpulmonary Ultrasound Dilution Method. Pediatr Cardiol 2017;38(1):135-148

de la Roche J, Walther I, Leonow W, Hage A, Eberhardt M, Fischer M, Reeh PW, Sauer S, Leffler A. Lactate is a potent inhibitor of the capsaicin receptor TRPV1. Sci Rep 2016;6:36740

Dennhardt N, Beck C, Huber D, Sander B, Boehne M, Boethig D, Leffler A, Sümpelmann R. Optimized preoperative fasting times decrease ketone body concentration and stabilize mean arterial blood pressure during induction of anesthesia in children younger than 36 months: a prospective observational cohort study. Paediatr Anaesth 2016;26(8):838-843

Eberhardt MJ, Leffler A. Schmerz und Schmerzlosigkeit : Mutationen spannungsabhängiger Natriumkanäle. Schmerz 2017;31(1):14-22

Flentje M, Mübel T, Henzel B, Jantzen JP. Simulating a patient's fall as a means to improve routine communication: Joint training for nursing and fifth-year medical students. GMS J Med Educ 2016;33(2):Doc19

Flentje M, Seebode R, Flemming A. Ergänzungsprüfung Notfallsanitäter für Rettungsassistenten. Notfall Rettungsmed 2017;20(1):24-31

Goede H, Gillmann HJ, Fuge I, Sahlmann B, Theilmeier G, Meinders A. Incidence of errors in realizing anaesthetist's orders for the management of permanent medication. *Anästh Intensivmed* 2016;57:640-650

Gombert S, Rhein M, Eberhardt M, Münster T, Bleich S, Leffler A, Frieling H. Epigenetic divergence in the TRPA1 promoter correlates with pressure pain thresholds in healthy individuals. *Pain* 2017;158(4):698-704

Greulich F, Trowe MO, Leffler A, Stoetzer C, Farin HF, Kispert A. Misexpression of Tbx18 in cardiac chambers of fetal mice interferes with chamber-specific developmental programs but does not induce a pacemaker-like gene signature. *J Mol Cell Cardiol* 2016;97:140-149

Günther F, Frank P, Nakamura M, Hermann EJ, Palmaers T. Venous air embolism in the sitting position in cranial neurosurgery: incidence and severity according to the used monitoring. *Acta Neurochir (Wien)* 2017;159(2):339-346

Habener A, Chowdhury A, Echtermeyer F, Lichtenhagen R, Theilmeier G, Herzog C. MitoNEET Protects HL-1 Cardiomyocytes from Oxidative Stress Mediated Apoptosis in an In Vitro Model of Hypoxia and Reoxygenation. *PLoS One* 2016;11(5):e0156054

Heiderich S, Jürgens J, Rudolf D, Dennhardt N, Echtermeyer F, Leffler A, Sümpelmann R, Lichtenhagen R, Witt L. Compatibility of common drugs with acetate-containing balanced electrolyte solutions in pediatric anesthesia. *Paediatr Anaesth* 2016;26(6):590-598

Karsten J, Stueber T, Voigt N, Teschner E, Heinze H. Influence of different electrode belt positions on electrical impedance tomography imaging of regional ventilation: a prospective observational study. *Crit Care* 2016;20:3

Kollewe K, Escher CM, Wulff DU, Fathi D, Paracka L, Mohammadi B, Karst M, Dressler D. Long-term treatment of chronic migraine with OnabotulinumtoxinA: efficacy, quality of life and tolerability in a real-life setting. *J Neural Transm (Vienna)* 2016;123(5):533-540

Lanckohr C, Ellger B, Lange M, Bach F, Fischer L, Suchodolski K, Schürholz T, Bracht H, Wunder C, Brinkmann A, Deja M. Infektionsmanagement in Kliniken für Anästhesiologie und Intensivmedizin in Deutschland - Status quo, Probleme und Aufgaben der Fachgesellschaft. *Anästh Intensivmed* 2016;57(Juni):360-366

Mauermann E, Filitz J, Dolder P, Rentsch KM, Bandschapp O, Ruppen W. Does Fentanyl Lead to Opioid-induced Hyperalgesia in Healthy Volunteers?: A Double-blind, Randomized, Crossover Trial. *Anesthesiology* 2016;124(2):453-463

Mommert S, Kleiner S, Gehring M, Eiz-Vesper B, Stark H, Gutzmer R, Werfel T, Raap U. Human basophil chemotaxis and activation are regulated via the histamine H4 receptor. *Allergy* 2016;71(9):1264-1273

Moparthi L, Kichko TI, Eberhardt M, Högestätt ED, Kjellbom P, Johanson U, Reeh PW, Leffler A, Filipovic MR, Zygmunt PM. Human TRPA1 is a heat sensor displaying intrinsic U-shaped thermosensitivity. *Sci Rep* 2016;6:28763

Peñuelas O, Muriel A, Frutos-Vivar F, Fan E, Raymondos K, Rios F, Nin N, Thille AW, González M, Villagomez AJ, Davies AR, Du B, Maggiore SM, Matamis D, Abroug F, Moreno RP, Kuiper MA, Anzueto A, Ferguson ND, Esteban A. Prediction and Outcome of Intensive Care Unit-Acquired Paresis. *J Intensive Care Med* 2016;DOI: 10.1177/0885066616643529

Rojas SV, Meier M, Zweigerdt R, Eckardt D, Rathert C, Schecker N, Schmitto JD, Rojas-Hernandez S, Martin U, Kutschka I, Haverich A, Martens A. Multimodal Imaging for In Vivo Evaluation of Induced Pluripotent Stem Cells in a Murine Model of Heart Failure. *Artif Organs* 2016;DOI: 10.1111/aor.12728

Schiller J, Korallus C, Bethge M, Karst M, Schmalhofer ML, Gutenbrunner C, Fink MG. Effects of acupuncture on quality of life and pain in patients with osteoporosis-a pilot randomized controlled trial. *Arch Osteoporos* 2016;11(1):34

Schillers F, Eberhardt E, Leffler A, Eberhardt M. Propacetamol-Induced Injection Pain Is Associated with Activation of Transient Receptor Potential Vanilloid 1 Channels. *J Pharmacol Exp Ther* 2016;359(1):18-25

Schlüter F, Leffler A. Oxidation differentially modulates the recombinant voltage-gated Na(+) channel alpha-subunits Nav1.7 and Nav1.8. *Brain Res* 2016;1648(Pt A):127-135

Stoetzer C, Doll T, Stueber T, Herzog C, Echtermeyer F, Greulich F, Rudat C, Kispert A, Wegner F, Leffler A. Tetrodotoxin-sensitive alpha-subunits of voltage-gated sodium channels are relevant for inhibition of cardiac sodium currents by local anesthetics. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(6):625-636

Stoetzer C, Nickel K, Weissig A, Grossheim M, Scheinichen D, Doll T, Jüttner B. Olive Oil-Based Lipid Emulsions Do Not Influence Platelet Receptor Expression in Comparison to Medium and Long Chain Triglycerides In vitro. *Lipids* 2016;51(11):1241-1248

Stoetzer C, Papenberg B, Doll T, Völker M, Heineke J, Stoetzer M, Wegner F, Leffler A. Differential inhibition of cardiac and neuronal Na(+) channels by the selective serotonin-norepinephrine reuptake inhibitors duloxetine and venlafaxine Eur J Pharmacol 2016;783:1-10

Stoetzer C, Voelker M, Doll T, Heineke J, Wegner F, Leffler A. Cardiotoxic Antiemetics Metoclopramide and Domperidone Block Cardiac Voltage-Gated Na<sup>+</sup> Channels Anesth Analg 2017;124(1):52-60

Sümpelmann R, Becke K, Brenner S, Breschan C, Eich C, Höhne C, Jöhr M, Kretz FJ, Marx G, Pape L, Schreiber M, Strauss J, Weiss M. Perioperative intravenous fluid therapy in children: guidelines from the Association of the Scientific Medical Societies in Germany. Paediatr Anaesth 2017;27(1):10-18

Sümpelmann R, Becke K, Brenner S, Breschan C, Eich C, Höhne C, Jöhr M, Kretz F-, Marx G, Pape L, Schreiber M, Strauss J, Weiss M. Perioperative Infusionstherapie bei Kindern. Anasthesiol Intensivmed 2016;57(6):368-376

Sümpelmann R, Fieler M, Eich C, Becke K, Badelt G, Leimkühler K, Dennhardt N. Metamizole for Postoperative Pain Therapy in Infants Younger than 1 Year. Eur J Pediatr Surg 2016;DOI: 10.1055/s-0036-1587332

Tejerina E, Pelosi P, Muriel A, Peñuelas O, Sutherasan Y, Frutos-Vivar F, Nin N, Davies AR, Rios F, Violi DA, Raymondos K, Hurtado J, González M, Du B, Amin P, Maggiore SM, Thille AW, Soares MA, Jibaja M, Villagomez AJ, Kuiper MA, Koh Y, Moreno RP, Zeggwagh AA, Matamis D, Anzueto A, Ferguson ND, Esteban A, for VENTILA group. Association between ventilatory settings and development of acute respiratory distress syndrome in mechanically ventilated patients due to brain injury J Crit Care 2017;38:341-345

Van't Klooster MP, Foadi N, Hage A, Stoetzer C, Wegner F, Eberhardt M, Leffler A. Local-anesthetic like inhibition of the cardiac sodium channel Nav1.5 alpha-subunit by 5-HT3 receptor antagonists Eur J Pharmacol 2016;789:119-126

von Dincklage F, Lichtner G, Suchodolski K, Ragaller M, Friesdorf W, Podtschaske B. Design and validation of a questionnaire to evaluate the usability of computerized critical care information systems J Clin Monit Comput 2016;DOI: 10.1007/s10877-016-9892-y

Winkelmann M, Friedrich L, Schröter C, Flemming A, Eismann H, Sieg L, Mommsen P, Krettek C, Zeckey C. Simulator-Based Air Medical Training Program Christoph Life: From Concept to Course Air Med J 2016;35(4):242-246

## Übersichtsarbeiten

Jüttner B, Wölfel C, Liedtke H, Meyne K, Werr H, Bräuer T, Kemmerer M, Schmeißer G, Piepho T, Müller O, Schöppentau H. Leitlinie Tauchunfall 2014-2017. Arbeitsmed Sozialmed Umweltmed 2016;51(11):800-808

## Letter

Jüttner B, Grossheim M, Theiss K. Tissue oxygenation using different oxygen delivery devices and flow rates. Diving Hyperb Med 2016;46(1):58

Jüttner B. Kohlenmonoxidvergiftung: Hyperbare Sauerstoffbehandlung (HBOT) empfehlenswert. Anaesthesist 2016;65(4):299-300

Sümpelmann R, Becke K, Eich C. Reply to: metamizole for postoperative pain therapy. Eur J Anaesthesiol 2016;33(10):786

## Case reports

Vondran FW, Schumacher C, Johanning K, Hartleben B, Knitsch W, Wiesner O, Jaeckel E, Manns MP, Klempnauer J, Bektas H, Lehner F. Application of the Liver Maximum Function Capacity Test in Acute Liver Failure: A Helpful Tool for Decision-Making in Liver Transplantation? Case Rep Transplant 2016;2016:7074636

## Editorials

Jüttner B. Leitlinienbasierte Versorgung von seltenen Notfällen – S2k-Leitlinie Tauchunfall. Notf med up2date 2016;11(4):319-320

## Buchbeiträge, Monografien

Rüffert H, Heiderich S, Klingler W. Maligne Hyperthermie - assoziierte Erkrankungen. In: Klingler W [Hrsg.]: Maligne Hyperthermie in Anästhesiologie und assoziierte Erkrankungen in Anästhesie und Intensivmedizin. Stuttgart: Thieme, 2016. S. 27-33

Seefelder C, Sümpelmann R. Anesthesia and analgesia for thoracic surgery. In: Petersen C, Ure B [Hrsg.]: Thoracic surgery in children and adolescents. Berlin, Boston: de Gruyter, 2016. S. 1-30

Sümpelmann R, Dennhardt N. Pediatrics. In: Hahn RG [Hrsg.]: Clinical Fluid Therapy in the Perioperative Setting. 2. Aufl. Cambridge: Cambridge University Press, 2016. S. 177-183

Tzanova I, Heiderich S. Fallbericht - Maligne Hyperthermie nach unauffälligen Vornarkosen. In: Klingler W [Hrsg.]: Maligne Hyperthermie in Anästhesiologie und assoziierte Erkrankungen in Anästhesie und Intensivmedizin. Stuttgart: Thieme, 2016. S. 25-27

### Herausgeberschaften

Adams HA, Flemming A, Friedrich L, Ruschulte H, Hoppe R. Taschenatlas Notfallmedizin. 3., überarbeitete Auflage. Stuttgart New York: Georg Thieme Verlag, 2016. 236 S.

### Abstract

de la Roche,J.; Walther,I., Leonow W, Hage A, Eberhardt M, Fischer M, Reeh PW, Sauer S, Leffler A. Lactate is a potent inhibitor of the capsaicin receptor TRPV1. 5.Symposium der Jungen Physiologen, 22.-23.September 2016, Jülich

Saalfeld B, Schulze M, Bauer J, Becker M, Bente P, Dasenbrock L, Dölle M, Gietzelt M, Holtkamp K, Haux R, Hein A, Kolb G, Künemund H, Lammel-Polchau C, Marschollek M, Meis M, Meyer zu Schwabedissen H, Steen EE, Wolf KH. Zusammenhänge zwischen triaxialen Accelerometerdaten geriatrischer Probanden und Mobilitätsassessments in der Frakturrehabilitation - Beispiele aus der GAL-NATARS-Studie. HEC 2016: Health - Exploring Complexity. Joint Conference of GMDS, DGEpi, IEA-EEF, EFMI. München, 28.08.-02.09.2016  
Volltext: <http://dx.doi.org/10.3205/16gmds159>

### Promotionen

Doll, Thorben (Dr. med.): Ist eine selektive Inhibition einzelner Natriumkanäle ein molekulares Korrelat für die geringere Kardiotoxizität und präferentielle Blockade durch Ropivacain?

MHH-Signatur: D 80423

Voigt, Nicolas Paul (Dr. med.): Observationsstudie zur Ermittlung des optimalen positiven endexspiratorischen Drucks (PEEP) anhand von klinischen Routineparametern und elektrischer Impedanztomographie (EIT)

MHH-Signatur: D 80447

## Stabsstelle für Interdisziplinäre Notfall- und Katastrophenmedizin – 9050

### Promotionen

Dambach, Kathrin (Dr. med.): Medizinische Ereignisse in Offshore-Windparks Stand und Perspektiven  
MHH-Signatur: D 80374

## Klinik für Rehabilitationsmedizin – 8300

### Originalpublikationen

Blumenthal M, Geng V, Egen C, Gutenbrunner C. Querschnittslähmung in Deutschland – Forschungsdaten zur Gesundheit, Versorgungs- und Lebenssituation Betroffener. Phys Med Rehab Kuror 2016;26(6):303-308

Briest J, Bethge M. Der Einfluss von Katastrophisieren auf den Effekt von Depressivität auf Schmerz und körperliche Funktion : Eine lang-schnittliche Mediatoranalyse Schmerz 2017;31(2):159-166

Briest J, Bethge M. Intensivierte medizinisch-beruflich orientierte Rehabilitationsnachsorge: Langfristige Ergebnisse der randomisiert-kontrollierten Multicenter-Studie Rehabilitation (Stuttg) 2016;55(2):108-114

Briest J, Egen C. Fit for Work and Life. Evaluationsergebnisse eines umfassenden Gesundheitskonzeptes für MitarbeiterInnen eines Universitätsklinikums. RP Reha 2016;3:46-51

Geissler N, Andreeva E, Moesch W, Kasprowski D, Schnalke G, Jakobs A, Vinagre N, Niklas A. Inkonsistenz und Selbstlimitierung bei der EFL-Leistungsdiagnostik nach Isernhagen unter Berücksichtigung sozioökonomischer Kontextfaktoren. Phys Med Rehab Kuror 2016;26(1):9-16

Gottschling-Lang A, Egen C, Gutenbrunner C, Sturm C. Der Zugang in die Anschlussrehabilitation (AHB) aus ärztlicher Sicht: Eine Analyse von Informationsstand und Optimierungsbedarf. Phys Med Rehab Kuror 2016;26(4):172-178

Gottschling-Lang A, Franze M, Hoffmann W. Prävalenzen und Risikofaktoren motorischer Entwicklungsgefährdungen bei 3- bis 6-jährigen Kindergartenkindern in Mecklenburg-Vorpommern (M-V) Gesundheitswesen 2016;78(1):28-33

Gutenbrunner C. Comment to letter to the editor Re: ISPRM Discussion Paper: Proposing Dimensions for an International Classification System for Service Organisation in Health-related Rehabilitation (ICSO-R) J Rehabil Med 2016;48(6):563-2113

Gutenbrunner C. Kooperationsplan 2014-2021 - Der Kooperationsplan der Internationalen Gesellschaft für Physikalische und Rehabilitationsmedizin 2014 - 2021 und ihr Beitrag zur Entwicklung nationaler Aktionspläne für Behinderung, Rehabilitation und Gesundheit. Phys Med Rehab Kuror 2016;26(1):48-49

Gutenbrunner C. Physikalische und Rehabilitationsmedizin Orthopade 2016;45(1):94-96

Gutenbrunner C. Physikalische und Rehabilitationsmedizin Unfallchirurg 2016;119(2):82-83

Kiekens C, Meyer T, Gimigliano F, Baffone C, Gutenbrunner CM, UEMS PRM ICF workshop moderators and rapporteurs. European initiative for the application of the International Classification of Service Organization in Health-related Rehabilitation (ICSO-R) Eur J Phys Rehabil Med 2016

Nugraha B, Ghashang SK, Hamdan I, Gutenbrunner C. Effect of Ramadan fasting on fatigue, mood, sleepiness, and health-related quality of life of healthy young men in summer time in Germany: A prospective controlled study Appetite 2016;111:38-45

Radhakrishnan S, Kohler F, Gutenbrunner C, Jayaraman A, Li J, Pieber K, Schiappacasse C. The use of the International Classification of Functioning, Disability and Health to classify the factors influencing mobility reported by persons with an amputation: An international study Prosthet Orthot Int 2016;DOI: 10.1177/0309364616652016

Schiller J, Korallus C, Bethge M, Karst M, Schmalhofer ML, Gutenbrunner C, Fink MG. Effects of acupuncture on quality of life and pain in patients with osteoporosis-a pilot randomized controlled trial Arch Osteoporos 2016;11(1):34

Schwarz B, Herbold D, Streibelt M. Die Bedeutung multiprofessioneller Teamarbeit für die erfolgreiche Umsetzung der medizinisch-beruflich orientierten Rehabilitation: Eine Einzelfallstudie. Praxis klinische Verhaltensmedizin und Rehabilitation 2015;28(96):122-130

Schwarze M, Egen C, Gutenbrunner C, Schriek S. Early Workplace Intervention to Improve the Work Ability of Employees with Musculo-skeletal Disorders in a German University Hospital-Results of a Pilot Study Healthcare (Basel) 2016;4(3):DOI: 10.3390/healthcare4030064

Seijas V, Lugo LH, Cano B, Escobar LM, Quintero C, Nugraha B, Gutenbrunner C. Understanding Community-Based Rehabilitation and the role of physical and rehabilitation medicine: a discussion paper Eur J Phys Rehabil Med 2016

Siddharta A, Pfaender S, Malassa A, Doerrbecker J, Anggakusuma, Engelmann M, Nugraha B, Steinmann J, Todt D, Vondran FW, Mateu-Gelabert P, Goffinet C, Steinmann E. Inactivation of HCV and HIV by microwave: a novel approach for prevention of virus transmission among people who inject drugs Sci Rep 2016;6:36619

Stein S, Andreeva E, Ehlebracht-König I, Gutenbrunner C. Symposium "Vom Wollen zum Tun--Motivation in der Rehabilitation" am 26. November 2015 in Hannover Rehabilitation (Stuttg) 2016;55(2):133-134

Sturm C, Witte T. Muskuloskeletal bedingter Thoraxschmerz Internist (Berl) 2017;58(1):39-46

Westhoff-Bleck M, Briest J, Fraccarollo D, Hilfiker-Kleiner D, Winter L, Maske U, Busch MA, Bleich S, Bauersachs J, Kahl KG. Mental disorders in adults with congenital heart disease: Unmet needs and impact on quality of life. J Affect Disord 2016;204:180-186

### Buchbeiträge, Monografien

Egen C, Höpner K, Briest J. JobFit: eine arbeitsplatzorientierte ärztlich-therapeutische Intensivmaßnahme an der Schnittstelle zwischen Prävention und Rehabilitation. In: Kahl KG, Winter L [Hrsg.]: Arbeitsplatzbezogene Psychotherapie : Intervention, Prävention und Rehabilitation ; mit einem Therapiemanual. Stuttgart: Kohlhammer, 2017. S. 183-190

Fuhr H, Briest J, Egen C, Gottschalk J, Geldmacher J, Born M. Fit for Work and Life: Das betriebliche Präventionsprogramm an der Medizinischen Hochschule Hannover. In: Kahl KG, Winter L [Hrsg.]: Arbeitsplatzbezogene Psychotherapie : Intervention, Prävention und Rehabilitation ; mit einem Therapiemanual. Stuttgart: Kohlhammer, 2017. S. 191-198

Gutenbrunner C, Fialka-Moser V. Das Fachgebiet Physikalische und Rehabilitationsmedizin. In: Crevenna R [Hrsg.]: Kompendium Physikalische Medizin und Rehabilitation. 4th. Berlin, Heidelberg: Springer, 2016. S. 3-21

## Promotionen

Rolle, Jan Hendrik (Dr. med.): Bewertung der Fahreigenschaften handbetriebener Rollstühle durch Rollstuhlnutzer - Validierung eines Prüfprotokolls für die klinische Testung  
MHH-Signatur: D 80416

## Institut für Sportmedizin – 4250

### Originalpublikationen

Grams L, Kuck M, Haufe S, Tegtbur U, Nelius AK, Kerling A. Peak fat oxidation during self-paced activities of daily life - influence of sex and body composition. *J Sports Med Phys Fitness* 2017;57(5):624-632

Hanff E, Lützow M, Kayacelebi AA, Finkel A, Maassen M, Yanchev GR, Haghikia A, Bavendiek U, Buck A, Lücke T, Maassen N, Tsikas D. Simultaneous GC-ECNICI-MS measurement of nitrite, nitrate and creatinine in human urine and plasma in clinical settings *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1047:207-214

Kerling A, von Bohlen A, Kück M, Tegtbur U, Grams L, Haufe S, Gützlaff E, Kahl KG. Exercise therapy improves aerobic capacity of inpatients with major depressive disorder. *Brain Behav* 2016;6(6):e00469

Schrader M, Treff B, Sandholter T, Maassen N, Shushakov V, Kaesebierter J, Maassen M. Carbohydrate supplementation stabilises plasma sodium during training with high intensity. *Eur J Appl Physiol* 2016;116(9):1841-1853

Stein L, Pacht C, Junge S, Kaeding TS, Kück M, Maassen N, Wittke T, Shushakov V. Skeletal Muscle Function in Young Patients With Cystic Fibrosis. *Pediatr Exerc Sci* 2016;28(3):364-373

Tegtbur U. Was ist gesichert in der sportmedizinischen Therapie? *Internist (Berl)* 2016;57(12):1172-1181

## Promotionen

Pohlmeier, Harald Bernhard (Dr. med.): Langzeitergebnisse eines verhaltensmedizinisch orientierten Schulungs- und Behandlungsprogrammes für Menschen mit insulinpflichtigem Diabetes mellitus Typ 2  
MHH-Signatur: D 80635

## Institut für Allgemeinmedizin – 5440

### Originalpublikationen

Afshar K, Hartung M, Junius-Walker U, Schneider N, Krause O. Was tun Hausärzte und Medizinische Fachangestellte, wenn sie selbst erkältet sind? *ZFA* 2016;92(9):339-345

Afshar K, Müller-Mundt G, Schneider N. Wie können Patienten mit chronisch fortschreitenden nicht-onkologischen Erkrankungen erkannt werden, bei denen eine Palliativversorgung sinnvoll ist? *Z Palliativmed* 2016;17(3):133-138

Bleckwenn M, Kleineidam L, Wagner M, Jessen F, Weyerer S, Werle J, Wiese B, Lümann D, Posselt T, König HH, Brettschneider C, Mösch E, Weeg D, Fuchs A, Pentzek M, Luck T, Riedel-Heller SG, Maier W, Scherer M. Impact of coronary heart disease on cognitive decline in Alzheimer's disease: a prospective longitudinal cohort study in primary care *Br J Gen Pract* 2017;67(655):e111-e117

Bleidorn J, Hummers-Pradier E, Schmiemann G, Wiese B, Gágyor I. Recurrent urinary tract infections and complications after symptomatic versus antibiotic treatment: follow-up of a randomised controlled trial. *Ger Med Sci* 2016;14:Doc01

Bock JO, Brettschneider C, Weyerer S, Werle J, Wagner M, Maier W, Scherer M, Kaduszkiewicz H, Wiese B, Moor L, Stein J, Riedel-Heller SG, König HH. Excess health care costs of late-life depression - Results of the AgeMooDe study *J Affect Disord* 2016;199:139-147

Bock JO, Hajek A, Weyerer S, Werle J, Wagner M, Maier W, Stark A, Kaduszkiewicz H, Wiese B, Moor L, Stein J, Riedel-Heller SG, König HH. The Impact of Depressive Symptoms on Healthcare Costs in Late Life: Longitudinal Findings From the AgeMooDe Study. *Am J Geriatr Psychiatry* 2017;25(2):131-141

Goudinoudis K, Hach M, Müller-Mundt G. Qualität braucht miteinander, Mut und Kompetenz. Pflegen : palliativ 2016;30:46-47

Goudinoudis K, Hach M, Müller-Mundt G. Schnittstellen nutzerorientiert managen. Pflegen : palliativ 2016;31:46-47

Goudinoudis K, Hach M, Müller-Mundt G. Vorausschauend planen - Selbstbestimmung ermöglichen. Pflegen : palliativ 2016;32:42-43

Hager K, Krause O. Neuer Begriff - altes Problem. Allgemeinarzt 2016;38(20):48-52

Hajek A, Brettschneider C, Ernst A, Posselt T, Mamone S, Wiese B, Weyerer S, Werle J, Pentzek M, Fuchs A, Stein J, Luck T, Bickel H, Mösch E, Kleineidam L, Heser K, Maier W, Scherer M, Riedel-Heller SG, König HH. Einflussfaktoren auf die Pflegebedürftigkeit im Längsschnitt. Gesundheitswesen 2017;79(2):73-79

Hajek A, Brettschneider C, Lühmann D, Eisele M, Mamone S, Wiese B, Weyerer S, Werle J, Pentzek M, Fuchs A, Riedel-Heller SG, Luck T, Bickel H, Weeg D, Koppara A, Wagner M, Scherer M, Maier W, König HH, Study on Ageing, Cognition and Dementia in Primary Care Patients Group. Effect of Visual Impairment on Physical and Cognitive Function in Old Age: Findings of a Population-Based Prospective Cohort Study in Germany J Am Geriatr Soc 2016;64(11):2311-2316

Hajek A, Brettschneider C, Lühmann D, Eisele M, Mamone S, Wiese B, Weyerer S, Werle J, Pentzek M, Fuchs A, Stein J, Luck T, Bickel H, Weeg D, Heser K, Jessen F, Maier W, Scherer M, Riedel-Heller S, König HH. Does visual impairment affect social ties in late life? Findings of a multicenter prospective cohort study in Germany. J Nutr Health Aging 2016:DOI: 10.1007/s12603-016-0768-0

Heser K, Bleckwenn M, Wiese B, Mamone S, Riedel-Heller SG, Stein J, Lühmann D, Posselt T, Fuchs A, Pentzek M, Weyerer S, Werle J, Weeg D, Bickel H, Brettschneider C, König HH, Maier W, Scherer M, Wagner M, AgeCoDe Study Group. Late-Life Depressive Symptoms and Lifetime History of Major Depression: Cognitive Deficits are Largely Due to Incipient Dementia rather than Depression J Alzheimers Dis 2016;54(1):185-199

Hoell A, Weyerer S, Maier W, Wagner M, Scherer M, Stark A, Kaduszkiewicz H, Wiese B, König HH, Bock JO, Stein J, Riedel-Heller SG. The impact of depressive symptoms on utilization of home care by the elderly: Longitudinal results from the AgeMooDe study. J Affect Disord 2016;204:247-254

Junius-Walker U, Daether-Kracke N, Krause O. It's MAGIC - einfaches geriatrisches Basisassessment für die Hausarztpraxis validiert. ZFA 2016;92(4):169-175

Klindtworth K, Geiger K, Pleschberger S, Bleidorn J, Schneider N, Müller-Mundt G. Leben und Sterben mit Gebrechlichkeit: Qualitative Interviews mit älteren Menschen im häuslichen Umfeld. Z Gerontol Geriatr 2017;50(2):151-158

Krause O, Hager K, Wendt U. 86-jährige Frau mit Orthopnoe. Dtsch Med Wochenschr 2016;141(15):1065

Krause O, Junius-Walker U, Wiese B, Hager K. Werden selbst geriatrische Patienten immer älter und älter? : Veränderung der Altersstruktur geriatrischer stationär behandelter Patienten im Verlauf zweier Dekaden Z Gerontol Geriatr 2016:DOI: 10.1007/s00391-016-1162-6

Luck T, Riedel-Heller SG, Roehr S, Wiese B, van der Leeden C, Heser K, Bickel H, Pentzek M, König HH, Werle J, Mamone S, Mallon T, Wolfsgruber S, Weeg D, Fuchs A, Brettschneider C, Scherer M, Maier W, Weyerer S, AgeCoDe study group. Mortality in Incident Cognitive Impairment: Results of the Prospective AgeCoDe Study. J Am Geriatr Soc 2017;65(4):738-746

Luck-Sikorski C, Stein J, Heilmann K, Maier W, Kaduszkiewicz H, Scherer M, Weyerer S, Werle J, Wiese B, Moor L, Bock JO, König HH, Riedel-Heller SG. Treatment preferences for depression in the elderly. Int Psychogeriatr 2017;29(3):389-398

Marx G, Nasse M, Stanze H, Boakye SO, Nauck F, Schneider N. Meaning of living with severe chronic obstructive lung disease: a qualitative study BMJ Open 2016;6(12):DOI: 10.1136/bmjopen-2016-011555

Muth C, Beyer M, Schubert I, Junius-Walker U. Geeignete Patienten für das Geriatrische Assessment auswählen: ein Praxistest zur Leitlinie. ZFA 2016;92(7/8):308-311

Roehr S, Luck T, Heser K, Fuchs A, Ernst A, Wiese B, Werle J, Bickel H, Brettschneider C, Koppara A, Pentzek M, Lange C, Prokein J, Weyerer S, Mösch E, König HH, Maier W, Scherer M, Jessen F, Riedel-Heller SG, AgeCoDe Study Group. Incident Subjective Cognitive Decline Does Not Predict Mortality in the Elderly--Results from the Longitudinal German Study on Ageing, Cognition, and Dementia (AgeCoDe). PLoS One 2016;11(1):e0147050

Scherer M, Hansen H, Gensichen J, Mergenthal K, Riedel-Heller S, Weyerer S, Maier W, Fuchs A, Bickel H, Schön G, Wiese B, König HH, van den Bussche H, Schäfer I. Association between multimorbidity patterns and chronic pain in elderly primary care patients: a cross-sectional observational study BMC Fam Pract 2016;17:68

Schleef T, Klindtworth K, Jünger S, Schneider N, Krause O. ... das ist da anders als das typische hausärztliche Handeln, dieses abwartende Offenhalten, das haben wir ja nicht. ZFA 2016;92(5):198-202

Schleef T, Schneider N, Tecklenburg A, Junius-Walker U, Krause O. Allgemeinmedizin in einer universitären Notaufnahme - Konzept, Umsetzung und Evaluation. Gesundheitswesen 2016;DOI: 10.1055/s-0042-100730

Schneider N. Bedeutung für die hausärztliche Praxis. Pflegen : palliativ 2016;29:36-37

Stein J, Pabst A, Weyerer S, Werle J, Maier W, Heilmann K, Scherer M, Stark A, Kaduszkiewicz H, Wiese B, Mamone S, König HH, Bock JO, Riedel-Heller SG. The assessment of met and unmet care needs in the oldest old with and without depression using the Camberwell Assessment of Need for the Elderly (CANE): Results of the AgeMooDe study. J Affect Disord 2016;193:309-317

Stein J, Pabst A, Weyerer S, Werle J, Maier W, Miebach L, Scherer M, Stark A, Kaduszkiewicz H, Wiese B, Moor L, Bock JO, König HH, Riedel-Heller SG. Unmet care needs of the oldest old with late-life depression: A comparison of patient, caring relative and general practitioner perceptions - Results of the AgeMooDe study. J Affect Disord 2016;205:182-189

Tetzlaff J, Junius-Walker U, Muschik D, Epping J, Eberhard S, Geyer S. Identifying time trends in multimorbidity—defining multimorbidity in times of changing diagnostic practices. J Public Health 2017;25(2):215-222

Then FS, Luck T, Heser K, Ernst A, Posselt T, Wiese B, Mamone S, Brettschneider C, König HH, Weyerer S, Werle J, Mösch E, Bickel H, Fuchs A, Pentzek M, Maier W, Scherer M, Wagner M, Riedel-Heller SG, AgeCoDe Study Group. Which types of mental work demands may be associated with reduced risk of dementia? Alzheimers Dement 2017;13(4):431-440

Woitha K, Schneider N, Wünsch A, Wiese B, Fimm S, Müller-Mundt G. Die Einbindung und Anwendung der Physiotherapie in der Hospiz- und Palliativversorgung : ein Survey zur Praxis in Deutschland. Schmerz 2017;31(1):62-68

Wolfsgruber S, Kleineidam L, Wagner M, Mösch E, Bickel H, Lühmann D, Ernst A, Wiese B, Steinmann S, König HH, Brettschneider C, Luck T, Stein J, Weyerer S, Werle J, Pentzek M, Fuchs A, Maier W, Scherer M, Riedel-Heller SG, Jessen F, AgeCoDe Study Group. Differential Risk of Incident Alzheimer's Disease Dementia in Stable Versus Unstable Patterns of Subjective Cognitive Decline J Alzheimers Dis 2016;54(3):1135-1146

Zimmermann T, Puschmann E, van den Bussche H, Wiese B, Ernst A, Porzelt S, Daubmann A, Scherer M. Collaborative nurse-led self-management support for primary care patients with anxiety, depressive or somatic symptoms: Cluster-randomised controlled trial (findings of the SMADS study) Int J Nurs Stud 2016;63:101-111

### Übersichtsarbeiten

Afshar K, Geiger K, Müller-Mundt G, Bleidorn J, Schneider N. Hausärztliche Palliativversorgung bei nichthonkologischen Patienten : Eine Übersichtsarbeit. Schmerz 2016;DOI: 10.1007/s00482-016-0135-4

Berliner D, Schneider N, Welte T, Bauersachs J. The differential diagnosis of dyspnoea. Dtsch Arztebl International 2016;834-845

Bokhof B, Junius-Walker U. Reducing Polypharmacy from the Perspectives of General Practitioners and Older Patients: A Synthesis of Qualitative Studies. Drugs Aging 2016;33(4):249-266

Gaertner J, Stamer UM, Remi C, Voltz R, Bausewein C, Sabatowski R, Wirz S, Müller-Mundt G, Simon ST, Pralong A, Nauck F, Follmann M, Radbruch L, Meissner W. Metamizole/dipyrone for the relief of cancer pain: A systematic review and evidence-based recommendations for clinical practice. Palliat Med 2017;31(1):26-34

Gágyor I, Haasenritter J, Bleidorn J, McIsaac W, Schmiemann G, Hummers-Pradier E, Himmel W. Predicting antibiotic prescription after symptomatic treatment for urinary tract infection: development of a model using data from an RCT in general practice. Br J Gen Pract 2016;66(645):e234-e240

Hartung M, Schneider N. Sozialarbeit und hausärztliche Versorgung: eine Literaturübersicht. ZFA 2016;92(9):363-366

Junius-Walker U, Krause O. Geriatricsches Assessment - Welche Tests eignen sich für die Hausarztpraxis? Dtsch Med Wochenschr 2016;141(3):165-169

Kruschinski C, Wiese B, Dierks ML, Hummers-Pradier E, Schneider N, Junius-Walker U. A geriatric assessment in general practice: prevalence, location, impact and doctor-patient perceptions of pain. BMC Fam Pract 2016;17:8

Lingner H, Karsch-Völk M, Piepenschneider D, Schleef T, Kardos P, Criée CP, Worth H, Hummers-Pradier E. General Practitioners' and Trainees' Knowledge of the Asthma Guidelines in Germany: a cross-sectional Survey. Qual Prim Care 2016;24(1):1-7

Palm R, Jünger S, Reuther S, Schwab CG, Dichter MN, Holle B, Halek M. People with dementia in nursing home research: a methodological review of the definition and identification of the study population. BMC Geriatr 2016;16(1):78

#### **Buchbeiträge, Monografien**

Jünger S, Schneider N, Wiese B, Vollmann J, Schildmann J. Palliativversorgung und Sterbehilfe. In: Böcken J, Braun B, Meierjürgen R [Hrsg.]: Gesundheitsmonitor 2016 : Bürgerorientierung im Gesundheitswesen. Gütersloh: Bertelsmann Stiftung, 2016. S. 253-275

#### **Abstract**

Stegemann R, Stiller G, Behrends M, Bleidorn J, Schneider N. Der Hausbesuch beim Ehepaar K. -Lehrfilm bringt die hausärztliche Praxis in die Vorlesung. 50. Kongress für Allgemeinmedizin und Familienmedizin. Frankfurt am Main, 29.09.-01.10.2016

Volltext: <http://dx.doi.org/10.3205/16degam144>

#### **sonstiges**

Bleidorn J. Unkomplizierter Harnwegsinfekt: Alternative zur Antibiose bleibt ausgewählten Fällen vorbehalten. Dtsch Arztebl International 2016;113(13):A-611

Krause O, Hensen O. Hyponatremia Should Be Added. Dtsch Arztebl International 2016;113(4):58-59

Krause O. Diagnose : Minutenlang blind bei der Gartenarbeit. Stern 2016(5):111

Krause O. Randnotiz: Generation Y ganz anders? Dtsch Arztebl 2016;113(38):A1632

#### **Promotionen**

Blase, Lena Frederike (Dr. med.): ManRück: Manualtherapie bei akuten unspezifischen Rückenschmerzen im hausärztlichen Setting prospektive, multizentrische, Prä-Post-Interventionsstudie  
MHH-Signatur: D 80353

Klindtworth, Katharina (Dr. PH): Versorgungssituation und Bedürfnisse am Lebensende Perspektiven von älteren Patienten und Patientinnen mit schwerer Herzinsuffizienz und ihren Angehörigen  
MHH-Signatur: D 80450

Laidig, Friederike (Dr. rer. biol. hum.): Evaluation einer Maßnahme zur Erhöhung der Arzneimitteltherapiesicherheit bei ambulanten Patienten  
MHH-Signatur: D 80478

Pahlow, Helene Franziska (Dr. med.): Palliativversorgung aus Sicht von Hinterbliebenen verstorbener Patienten und Patientinnen eine qualitative Untersuchung  
MHH-Signatur: D 80609

## **Kliniken/Institute der Sektion IV**

### **Zentrum Pathologie, Forensik und Genetik**

#### **Institut für Humangenetik – 6300**

##### **Originalpublikationen**

Adam J, Brandmaier S, Leonhardt J, Scheerer MF, Mohney RP, Xu T, Bi J, Rotter M, Troll M, Chi S, Heier M, Herder C, Rathmann W, Giani G, Adamski J, Illig T, Strauch K, Li Y, Gieger C, Peters A, Suhre K, Ankerst D, Meitinger T, Hrabe de Angelis M, Roden M, Neschen S, Kastenmüller G, Wang-Sattler R. Metformin Effect on Non-Targeted Metabolite Profiles in Patients with Type 2 Diabetes and Multiple Murine Tissues. Diabetes 2016;65(12):3776-3785

Altmaier E, Menni C, Heier M, Meisinger C, Thorand B, Quell J, Kobl M, Römisch-Margl W, Valdes AM, Mangino M, Waldenberger M, Strauch K, Illig T, Adamski J, Spector T, Gieger C, Suhre K, Kastenmüller G. The Pharmacogenetic Footprint of ACE Inhibition: A Population-Based Metabolomics Study. *PLoS One* 2016;11(4):e0153163

Awah CU, Tamm S, Hedtfeld S, Steinemann D, Tümmeler B, Tsivavaliaris G, Stanke F. Mechanism of allele specific assembly and disruption of master regulator transcription factor complexes of NF-KBp50, NF-KBp65 and HIF1a on a non-coding FAS SNP. *Biochim Biophys Acta* 2016;1859(11):1411-1428

Behnert A, Ripperger T, Jack T, Franke D, Horke A, Kratz C. Linksatriale Raumforderung und Lentigines. *Monatsschr Kinderheilkd* 2016;164(12):1064-1067

Buesche G, Teoman H, Giagounidis A, Göhring G, Schlegelberger B, Ganser A, Aul C, Kreipe HH. Impaired formation of erythroblastic islands is associated with erythroid failure and poor prognosis in a significant proportion of patients with myelodysplastic syndromes. *Haematologica* 2016;101(5):e177-81

Burke WF, Warnecke A, Schöner-Heinisch A, Lesinski-Schiedat A, Maier H, Lenarz T. Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. *Hear Res* 2016;333:77-86

Buurman R, Sandbothe M, Schlegelberger B, Skawran B. HDAC inhibition activates the apoptosome via Apaf1 upregulation in hepatocellular carcinoma. *Eur J Med Res* 2016;21(1):26

Chaturvedi A, Araujo Cruz MM, Jyotsana N, Sharma A, Goparaju R, Schwarzer A, Görlich K, Schottmann R, Struys EA, Jansen EE, Rohde C, Müller-Tidow C, Geffers R, Göhring G, Ganser A, Thol F, Heuser M. Enantiomer-specific and paracrine leukemogenicity of mutant IDH metabolite 2-hydroxyglutarate Leukemia 2016;30(8):1708-1715

Christgen M, van Luttkhuizen JL, Raap M, Braubach P, Schmidt L, Jonigk D, Feuerhake F, Lehmann U, Schlegelberger B, Kreipe HH, Steinemann D. Precise ERBB2 copy number assessment in breast cancer by means of molecular inversion probe array analysis. *Oncotarget* 2016;7(50):82733-82740

Couch FJ, Kuchenbaecker KB, Michailidou K, Mendoza-Fandino GA, Nord S, Lilyquist J, Olszwold C, Hallberg E, Agata S, Ahsan H, Aittomäki K, Ambrosone C, Andrusik IL, Anton-Culver H, Arndt V, Arun BK, Arver B, Barile M, Barkardottir RB, Barrowdale D, Beckmann L, Beckmann MW, Benitez J, Blank SV, Blomqvist C, Boganova NV, Bojesen SE, Bolla MK, Bonanni B, Brauch H, Brenner H, Burwinkel B, Buys SS, Caldes T, Caligo MA, Canzian F, Carpenter J, Chang-Claude J, Chanock SJ, Chung WK, Claes KB, Cox A, Cross SS, Cunningham JM, Czene K, Daly MB, Damiola F, Darabi H, de la Hoya M, Devilee P, Diez O, Ding YC, Dolcetti R, Domchek SM, Dorfling CM, Dos-Santos-Silva I, Dumont M, Dunning AM, Eccles DM, Ehrencrona H, Ekici AB, Eliassen H, Ellis S, Fasching PA, Figueroa J, Flesch-Janys D, Försti A, Fostira F, Foulkes WD, Friebel T, Friedman E, Frost D, Gabrielson M, Gammon MD, Ganz PA, Gapstur SM, Garber J, Gaudet MM, Gayther SA, Gerdes AM, Ghousaini M, Giles GG, Glendon G, Godwin AK, Goldberg MS, Goldgar DE, González-Neira A, Greene MH, Gronwald J, Guénél P, Gunter M, Haeberle L, Haiman CA, Hamann U, Hansen TV, Hart S, Healey S, Heikkinen T, Henderson BE, Herzog J, Hogervorst FB, Hollestelle A, Hooning MJ, Hoover RN, Hopper JL, Humphreys K, Hunter DJ, Huzarski T, Imyanitov EN, Isaacs C, Jakubowska A, James P, Janavicius R, Jensen UB, John EM, Jones M, Kabisch M, Kar S, Karlan BY, Khan S, Khaw KT, Kibriya MG, Knight JA, Ko YD, Konstantopoulos I, Kosma VM, Kristensen V, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Lee E, Le Marchand L, Lester J, Lindblom A, Lindor N, Lindstrom S, Liu J, Long J, Lubinski J, Mai PL, Makalic E, Malone KE, Mannermaa A, Manoukian S, Margolin S, Marime F, Martens JW, McGuffog L, Meindl A, Miller A, Milne RL, Miron P, Montagna M, Mazoyer S, Mulligan AM, Muranen TA, Nathanson KL, Neuhausen SL, Nevanlinna H, Nordestgaard BG, Nussbaum RL, Offit K, Olah E, Olopade OI, Olson JE, Osorio A, Park SK, Peeters PH, Peissel B, Peterlongo P, Peto J, Phelan CM, Pilarski R, Poppe B, Pylkäs K, Radice P, Rahman N, Rantala J, Rappaport C, Rennert G, Richardson A, Robson M, Romieu I, Rudolph A, Rutgers EJ, Sanchez MJ, Santella RM, Sawyer EJ, Schmidt DF, Schmidt MK, Schmutzler RK, Schumacher F, Scott R, Senter L, Sharma P, Simard J, Singer CF, Sinilnikova OM, Soucy P, Southey M, Steinemann D, Stenmark-Askmalm M, Stoppa-Lyonnet D, Swerdlow A, Szabo CI, Tamimi R, Tapper W, Teixeira MR, Teo SH, Terry MB, Thomassen M, Thompson D, Tihomirova L, Toland AE, Tollenaar RA, Tomlinson I, Truong T, Tsimiklis H, Teulé A, Tumino R, Tung N, Turnbull C, Ursin G, van Deurzen CH, van Rensburg EJ, Varon-Mateeva R, Wang Z, Wang-Gohrke S, Weiderpass E, Weitzel JN, Whittemore A, Wildiers H, Wingqvist R, Yang XR, Yannoukakos D, Yao S, Zamora MP, Zheng W, Hall P, Kraft P, Vachon C, Slager S, Chenevix-Trench G, Pharoah PD, Monteiro AA, García-Closas M, Easton DF, Antoniou AC. Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer. *Nat Commun* 2016;7:11375

de la Hoya M, Soukarieh O, López-Perolio I, Vega A, Walker LC, van Ierland Y, Baralle D, Santamaría M, Lattimore V, Wijnen J, Whiley P, Blanco A, Raponi M, Hauke J, Wappenschmidt B, Becker A, Hansen TV, Behar R, Investigators K, Niederacher D, Arnold N, Dworniczk B, Steinemann D, Faust U, Rubinstein W, Hulick PJ, Houdayer C, Caputo SM, Castera L, Pesaran T, Chao E, Brewer C, Southey MC, van Asperen CJ, Singer CF, Sullivan J, Poplawski N, Mai P, Peto J, Johnson N, Burwinkel B, Surowy H, Bojesen SE, Flyger H, Lindblom A, Margolin S, Chang-Claude J, Rudolph A, Radice P, Galastri L, Olson JE, Hallberg E, Giles GG, Milne RL, Andrusik IL, Glendon G, Hall P, Czene K, Blows F, Shah M, Wang Q, Dennis J, Michailidou K, McGuffog L, Bolla MK, Antoniou AC, Easton DF, Couch FJ, Tavtigian S, Vreeswijk MP, Parsons M, Meeks HD, Martins A, Goldgar DE, Spurdle AB. Combined genetic and splicing analysis of BRCA1 c.[594-2A>C; 641A>G] highlights the relevance of naturally occurring in-frame transcripts for developing disease gene variant classification algorithms. *Hum Mol Genet* 2016;25(11):2256-2268

Dietrich S, Floegel A, Troll M, Kühn T, Rathmann W, Peters A, Sookthai D, von Bergen M, Kaaks R, Adamski J, Prehn C, Boeing H, Schulze MB, Illig T, Pischedl T, Knüppel S, Wang-Sattler R, Drogan D. Random Survival Forest in practice: a method for modelling complex metabolomics data in time to event analysis. *Int J Epidemiol* 2016;45(5):1406-1420

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wähner A, Beh-Pajoh A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. *Sci Rep* 2016;6:38198

Ehret GB, Ferreira T, Chasman DI, Jackson AU, Schmidt EM, Johnson T, Thorleifsson G, Luan J, Donnelly LA, Kanoni S, Petersen AK, Pihur V, Strawbridge RJ, Shungin D, Hughes MF, Meirelles O, Kaakinen M, Bouatia-Naji N, Kristiansson K, Shah S, Kleber ME, Guo X, Lytykainen LP, Fava C, Eriksson N, Nolte IM, Magnusson PK, Saltati EL, Rallidis LS, Theusch E, Smith AJ, Folkersen L, Witkowska K, Pers TH, Joehanes R, Kim SK, Lataniotis L, Jansen R, Johnson AD, Warren H, Kim YJ, Zhao W, Wu Y, Tayo BO, Bochud M, CHARGE-EchoGen Consortium, CHARGE-HF Consortium, Wellcome Trust Case Control Consortium, Absher D, Adair LS, Amin N, Arking DE, Axelsson T, Baldassarre D, Balkau B, Bandinelli S, Barnes MR, Barroso I, Bevan S, Bis JC, Björnsdóttir G, Boehnke M, Boerwinkle E, Bonnycastle LL, Boomstra DI, Bornstein SR, Brown MJ, Burnier M, Cabrera CP, Chambers JC, Chang IS, Cheng CY, Chines PS, Chung RH, Collins FS, Connell JM, Doring A, Dallongeville J, Danesh J, de Faire U, Delgado G, Dominiczak AF, Doney AS, Drenos F, Edkins S, Eicher JD, Elosua R, Enroth S, Erdmann J, Eriksson P, Esko T, Evangelou E, Evans A, Fall T, Farrall M, Felix JF, Ferrieres J, Ferrucci L, Fornage M, Forrester T, Franceschini N, Franco OH, Franco-Cereceda A, Fraser RM, Ganesh SK, Gao H, Gertow K, Gianfagna F, Gigante B, Giulianini F, Goel A, Goodall AH, Goodarzi MO, Gorski M, Grassler J, Groves CJ, Gudnason V, Gyllensten U, Hallmans G, Hartikainen AL, Hassinen M, Havulinna AS, Hayward C, Hercberg S, Herzig KH, Hicks AA, Hingorani AD, Hirschhorn JN, Hofman A, Holmen J, Holmen OL, Hottenga JJ, Howard P, Hsiung CA, Hunt SC, Ikram MA, Illig T, Iribarren C, Jensen RA, Kahonen M, Kang HM, Kathiresan S, Keating BJ, Khaw KT, Kim YK, Kim E, Kivimaki M, Klopp N, Kolovou G, Komulainen P, Kooper JS, Kosova G, Krauss RM, Kuh D, Kutalik Z, Kuusisto J, Kvaloy K, Lakka TA, Lee NR, Lee IT, Lee WJ, Levy D, Li X, Liang KW, Lin H, Lin L, Lindstrom J, Lobbens S, Mannisto S, Muller G, Muller-Nurasyid M, Mach F, Markus HS, Marouli E, McCarthy MI, McKenzie CA, Meneton P, Menni C, Metspalu A, Mijatovic V, Moilanen L, Montasser ME, Morris AD, Morrison AC, Mulas A, Nagaraja R, Narisu N, Nikus K, O'Donnell CJ, O'Reilly PF, Ong KK, Paccaud F, Palmer CD, Parsa A, Pedersen NL, Penninx BW, Perola M, Peters A, Poulter N, Pramstaller PP, Psaty BM, Quertermous T, Rao DC, Rasheed A, Rayner NW, Renstrom F, Rettig R, Rice KM, Roberts R, Rose LM, Rossouw J, Samani NJ, Sanna S, Saramies J, Schunkert H, Sebert S, Sheu WH, Shin YA, Sim X, Smit JH, Smith AV, Sosa MX, Spector TD, Stancakova A, Stanton AV, Stirrups KE, Stringham HM, Sundstrom J, Swift AJ, Syvanen AC, Tai ES, Tanaka T, Tarasov KV, Teumer A, Thorsteinsdóttir U, Tobin MD, Tremoli E, Uitterlinden AG, Uusitupa M, Vaez A, Vaidya D, van Duijn CM, van Iperen EP, Vasan RS, Verwoert GC, Virtamo J, Vitart V, Voight BF, Vollenweider P, Wagner A, Wain LV, Wareham NJ, Watkins H, Weder AB, Westra HJ, Wilks R, Wilsgaard T, Wilson JF, Wong TY, Yang TP, Yao J, Yengo L, Zhang W, Zhao JH, Zhu X, Bovet P, Cooper RS, Mohlke KL, Saleheen D, Lee JY, Elliott P, Gierman HJ, Willer CJ, Franke L, Hovingh GK, Taylor KD, Dedoussis G, Sever P, Wong A, Lind L, Assimes TL, Njolstad I, Schwarz PE, Langenberg C, Snieder H, Caulfield MJ, Melander O, Laakso M, Saltevo J, Rauramaa R, Tuomilehto J, Ingelsson E, Lehtimaki T, Hveem K, Palmas W, Marz W, Kumari M, Salomaa V, Chen YD, Rotter JL, Froguel P, Jarvelin MR, Lakatta EG, Kuulasmaa K, Franks PW, Hamsten A, Wichmann HE, Palmer CN, Stefansson K, Ridker PM, Loos RJ, Chakravarti A, Deloukas P, Morris AP, Newton-Cheh C, Munroe PB. The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nat Genet* 2016;48(10):1171-1184

Fuchsberger C, Flannick J, Teslovich TM, Mahajan A, Agarwala V, Gaulton KJ, Ma C, Fontanillas P, Moutsianas L, McCarthy DJ, Rivas MA, Perry JR, Sim X, Blackwell TW, Robertson NR, Rayner NW, Cingolani P, Locke AE, Fernandez Tajes J, Highland HM, Dupuis J, Chines PS, Lindgren CM, Hartl C, Jackson AU, Chen H, Huyghe JR, van de Bunt M, Pearson RD, Kumar A, Muller-Nurasyid M, Grarup N, Stringham HM, Gamazon ER, Lee J, Chen Y, Scott RA, Below JE, Chen P, Huang J, Go MJ, Stitzel ML, Pasko D, Parker SC, Varga TV, Green T, Beer NL, Day-Williams AG, Ferreira T, Fingerlin T, Horikoshi M, Hu C, Huh I, Ikram MK, Kim BJ, Kim Y, Kim YJ, Kwon MS, Lee J, Lee S, Lin KH, Maxwell TJ, Nagai Y, Wang X, Welch RP, Yoon J, Zhang W, Barzilai N, Voight BF, Han BG, Jenkinson CP, Kuulasmaa T, Kuusisto J, Manning A, Ng MC, Palmer ND, Balkau B, Stancakova A, Abboud HE, Boeing H, Giedraitis V, Prabhakaran D, Gottesman O, Scott J, Carey J, Kwan P, Grant G, Smith JD, Neale BM, Purcell S, Butterworth AS, Howson JM, Lee HM, Lu Y, Kwak SH, Zhao W, Danesh J, Lam VK, Park KS, Saleheen D, So WY, Tam CH, Afzal U, Aguilar D, Arya R, Aung T, Chan E, Navarro C, Cheng CY, Palli D, Correa A, Curran JE, Rybin D, Farook VS, Fowler SP, Freedman BI, Griswold M, Hale DE, Hicks PJ, Khor CC, Kumar S, Lehne B, Thuillier D, Lim WY, Liu J, van der Schouw YT, Loh M, Musani SK, Puppala S, Scott WR, Yengo L, Tan ST, Taylor HA, Jr, Thameem F, Wilson GS, Wong TY, Njolstad PR, Levy JC, Mangino M, Bonnycastle LL, Schwarzmayr T, Fadista J, Surdulescu GL, Herder C, Groves CJ, Wieland T, Bork-Jensen J, Brandslund I, Christensen C, Koistinen HA, Doney AS, Kinnunen L, Esko T, Farmer AJ, Hakaste L, Hodgkiss D, Kravic J, Lyssenko V, Hollensted M, Jorgensen ME, Jorgensen T, Ladenvall C, Justesen JM, Karajamaki A, Kriebel J, Rathmann W, Lannfelt L, Lauritzen T, Narisu N, Linneberg A, Melander O, Milani L, Neville M, Orho-Melander M, Qi L, Qi Q, Roden M, Rolandsson O, Swift A, Rosengren AH, Stirrups K, Wood AR, Mihailov E, Blancher C, Carneiro MO, Maguire J, Poplin R, Shakir K, Fennell T, DePristo M, Hrabe de Angelis M, Deloukas P, Gjesing AP, Jun G, Nilsson P, Murphy J, Onofrio R, Thorand B, Hansen T, Meisinger C, Hu FB, Isomaa B, Karpe F, Liang L, Peters A, Huth C, O'Rahilly SP, Palmer CN, Pedersen O, Rauramaa R, Tuomilehto J, Salomaa V, Watanabe RM, Syvanen AC, Bergman RN, Bharadwaj D, Bottiger EP, Cho YS, Chandak GR, Chan JC, Chia KS, Daly MJ, Ebrahim SB, Langenberg C, Elliott P, Jablonski KA, Lehman DM, Jia W, Ma RC, Pollin TI, Sandhu M, Tandon N, Froguel P, Barroso I, Teo YY, Zeggini E, Loos RJ, Small KS, Ried JS, DeFronzo RA, Grallert H, Glaser B, Metspalu A, Wareham NJ, Walker M, Banks E, Gieger C, Ingelsson E, Im HK, Illig T, Franks PW, Buck G, Trakalo J, Buck D, Prokopenko I, Magi R, Lind L, Farjoun Y, Owen KR, Gloyn AL, Strauch K, Tuomi T, Kooper JS, Lee JY, Park T, Donnelly P, Morris AD, Hattersley AT, Bowden DW, Collins FS, Atzmon G, Chambers JC, Spector TD, Laakso M, Strom TM, Bell GI, Blangero J, Duggirala R, Tai ES, McVean G, Hanis CL, Wilson JG, Seielstad M, Frayling TM, Meigs JB, Cox NJ, Sladek R, Lander ES, Gabriel S, Burtt NP, Mohlke KL, Meitinger T, Groop L, Abecasis G, Florez JC, Scott LJ, Morris AP, Kang HM, Boehnke M, Altshuler D, McCarthy MI. The genetic architecture of type 2 diabetes. *Nature* 2016;536(7614):41-47

Gaidzik VI, Teleanu V, Papaemmanuil E, Weber D, Paschka P, Hahn J, Wallrabenstein T, Kolbinger B, Köhne CH, Horst HA, Brossart P, Held G, Kündgen A, Ringhoffer M, Götz K, Rummel M, Gerstung M, Campbell P, Kraus JM, Kestler HA, Thol F, Heuser M, Schlegelberger B, Ganser A, Bullinger L, Schlenk RF, Döhner K, Döhner H. RUNX1 mutations in acute myeloid leukemia are associated with distinct clinical-pathologic and genetic features. *Leukemia* 2016;30(11):2160-2168

Gebauer F, Wicklein D, Tachezy M, Grob T, Steinemann D, Manukyan G, Göhring G, Schlegelberger B, Maar H, Izicki JR, Bockhorn M, Schumacher U. Establishment and Characterization of a Pair of Patient-derived Human Non-small Cell Lung Cancer Cell Lines from a Primary Tumor and Corresponding Lymph Node Metastasis. *Anticancer Res* 2016;36(4):1507-1518

Göhring G, Thomay K, Schmidt G, Ripperger T, Xu M, Wittner N, Chao MM, Baumann I, Niewisch M, Reinhardt D, Klingebiel T, Thol F, Schlegelberger B, Niemeyer CM. A common ancestral DNMT3A-mutated preleukemic clone giving rise to AML and MDS in an adolescent girl. *Leuk Lymphoma* 2017;58(3):718-721

Hinney A, Kesselmeier M, Jall S, Volckmar AL, Focker M, Antel J, GCAN, WTCCC3, Heid IM, Winkler TW, GIANT, Grant SF, EGG, Guo Y, Bergen AW, Kaye W, Berrettini W, Hakonarson H, Price Foundation Collaborative Group, Children's Hospital of Philadelphia/Price Foundation, Herpertz-Dahlmann B, de Zwaan M, Herzog W, Ehrlich S, Zipfel S, Egberts KM, Adan R, Brandys M, van Elburg A, Boraska Perica V, Franklin CS, Tschoop MH, Zeggini E, Bulik CM, Collier D, Scherag A, Muller TD, Hebebrand J. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Mol Psychiatry* 2017;22(2):192-201

Hoepfner J, Kleinsorge M, Papp O, Alfken S, Heiringhoff R, Pich A, Sauer V, Zibert A, Göhring G, Schmidt H, Sgiodda M, Cantz T. In vitro modelling of familial amyloidotic polyneuropathy allows quantitative detection of transthyretin amyloid fibril-like structures in hepatic derivatives of patient-specific induced pluripotent stem cells. *Biol Chem* 2017;DOI: 10.1515/hsz-2016-0258

Jung-Klawitter S, Blau N, Sebe A, Ebersold J, Göhring G, Opladen T. Generation of an iPSC line from a patient with tyrosine hydroxylase (TH) deficiency: TH-1 iPSC. *Stem Cell Res* 2016;17(3):580-583

Kast K, Rhiem K, Wappenschmidt B, Hahnen E, Hauke J, Bluemcke B, Zarghooni V, Herold N, Ditsch N, Kiechle M, Braun M, Fischer C, Dikow N, Schott S, Rahner N, Niederacher D, Fehm T, Gehrig A, Mueller-Reible C, Arnold N, Maass N, Borck G, de Gregorio N, Scholz C, Auber B, Varon-Manteeva R, Speiser D, Horvath J, Lichey N, Wimberger P, Stark S, Faust U, Weber BH, Emons G, Zachariae S, Meindl A, Schmutzler RK, Engel C, German Consortium for Hereditary Breast and Ovarian Cancer (GC-HBOC). Prevalence of BRCA1/2 germline mutations in 21 401 families with breast and ovarian cancer. *J Med Genet* 2016;53(7):465-471

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. *Nat Commun* 2016;7:13602

Kesselmeier M, Pütter C, Volckmar AL, Baurecht H, Grallert H, Illig T, Ismail K, Ollikainen M, Silen Y, Keski-Rahkonen A, Bulik CM, Collier DA, Zeggini E, Hebebrand J, Scherag A, Hinney A, GCAN and WTCCC3. High-throughput DNA methylation analysis in anorexia nervosa confirms TNXB hypermethylation. *World J Biol Psychiatry* 2016;1:1-13

Kilpeläinen TO, Carli JF, Skowronski AA, Sun Q, Kriebel J, Feitosa MF, Hedman AK, Drong AW, Hayes JE, Zhao J, Pers TH, Schick U, Grarup N, Kutalik Z, Trompet S, Mangino M, Kristiansson K, Beekman M, Lyttikainen LP, Eriksson J, Henneman P, Lahti J, Tanaka T, Luan J, Del Greco MF, Pasko D, Renstrom F, Willems SM, Mahajan A, Rose LM, Guo X, Liu Y, Kleber ME, Perusse L, Gaunt T, Ahluwalia TS, Ju Sung Y, Ramos YF, Amin N, Amuzo A, Barroso I, Bellis C, Blangero J, Buckley BM, Bohringer S, Chen YD, de Craen AJ, Crosslin DR, Dale CE, Dastani Z, Day FR, Deelen J, Delgado GE, Demirkan A, Finucane FM, Ford I, Garcia ME, Gieger C, Gustafsson S, Hallmans G, Hankinson SE, Havulinna AS, Herder C, Hernandez D, Hicks AA, Hunter DJ, Illig T, Ingelsson E, Ioan-Facsinay A, Jansson JO, Jenny NS, Jorgensen ME, Jorgensen T, Karlsson M, Koenig W, Kraft P, Kwekkeboom J, Laatikainen T, Ladwig KH, LeDuc CA, Lowe G, Lu Y, Marques-Vidal P, Meisinger C, Menni C, Morris AP, Myers RH, Mannisto S, Nalls MA, Paternoster L, Peters A, Pradhan AD, Rankinen T, Rasmussen-Torvik LJ, Rathmann W, Rice TK, Brent Richards J, Ridker PM, Sattar N, Savage DB, Soderberg S, Timpton NJ, Vandenberg L, van Heemst D, Uh HW, Vohl MC, Walker M, Wichmann HE, Widen E, Wood AR, Yao J, Zeller T, Zhang Y, Meulenbelt I, Kloppenburg M, Astrup A, Sorensen TI, Sarzynski MA, Rao DC, Jousilahti P, Vartiainen E, Hofman A, Rivadeneira F, Utterlinden AG, Kajantie E, Osmond C, Palotie A, Eriksson JG, Heliovaara M, Knekett PB, Koskinen S, Jula A, Perola M, Huupponen RK, Viikari JS, Kahonen M, Lehtimaki T, Raitakari OT, Mellstrom D, Lorentzon M, Casas JP, Bandinelli S, Marz W, Isaacs A, van Dijk KW, van Duijn CM, Harris TB, Bouchard C, Allison MA, Chasman DL, Ohlsson C, Lind L, Scott RA, Langenberg C, Wareham NJ, Ferrucci L, Frayling TM, Pramstaller PP, Borecki IB, Waterworth DM, Bergmann S, Waeber G, Vollenweider P, Vestergaard H, Hansen T, Pedersen O, Hu FB, Eline Slagboom P, Grallert H, Spector TD, Jukema JW, Klein RJ, Schadt EE, Franks PW, Lindgren CM, Leibel RL, Loos RJ. Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nat Commun* 2016;7:10494

Kriebel J, Herder C, Rathmann W, Wahl S, Kunze S, Molnos S, Volkova N, Schramm K, Carstensen-Kirberg M, Waldenberger M, Gieger C, Peters A, Illig T, Prokisch H, Roden M, Grallert H. Association between DNA Methylation in Whole Blood and Measures of Glucose Metabolism: KORA F4 Study. *PLoS One* 2016;11(3):e0152314

Krönung SK, Beyer U, Chiaramonte ML, Dolfini D, Mantovani R, Dobbelstein M. LTR12 promoter activation in a broad range of human tumor cells by HDAC inhibition. *Oncotarget* 2016;7(23):33484-33497

Lesage S, Drouet V, Majounie E, Deramecourt V, Jacoupy M, Nicolas A, Cormier-Dequaire F, Hassoun SM, Pujol C, Ciura S, Erpapazoglou Z, Usenko T, Mauraige CA, Sahbatou M, Liebau S, Ding J, Bilgic B, Emre M, Erginol-Unaltuna N, Guven G, Tison F, Tranchant C, Vidailhet M, Corvol JC, Krack P, Leutenegger AL, Nalls MA, Hernandez DG, Heutink P, Gibbs JR, Hardy J, Wood NW, Gasser T, Durr A, Deleuze JF, Tazir M, Destee A, Lohmann E, Kabashi E, Singleton A, Corti O, Brice A, French Parkinson's Disease Genetics Study (PDG), International Parkinson's Disease Genomics Consortium (IPDGC). Loss of VPS13C Function in Autosomal-Recessive Parkinsonism Causes Mitochondrial Dysfunction and Increases PINK1/Parkin-Dependent Mitophagy. *Am J Hum Genet* 2016;98(3):500-513

Manukyan G, Ripperger T, Venturini L, Stadler M, Göhring G, Schambach A, Schlegelberger B, Steinemann D. GABP is necessary for stem/progenitor cell maintenance and myeloid differentiation in human hematopoiesis and chronic myeloid leukemia. *Stem Cell Res* 2016;16(3):677-681

Pastor V, Hirabayashi S, Karow A, Wehrle J, Kozyra EJ, Nienhold R, Ruzaika G, Lebrecht D, Yoshimi A, Niewisch M, Ripperger T, Göhring G, Baumann I, Schwarz S, Strahm B, Flotho C, Skoda RC, Niemeyer CM, Włodarski MW. Mutational landscape in children with myelodysplastic syndromes is distinct from adults: specific somatic drivers and novel germline variants. *Leukemia* 2017;31(3):759-762

Pattaro C, Teumer A, Gorski M, Chu AY, Li M, Mijatovic V, Garnaas M, Tin A, Sorice R, Li Y, Taliun D, Olden M, Foster M, Yang Q, Chen MH, Pers TH, Johnson AD, Ko YA, Fuchsberger C, Tayo B, Nalls M, Feitosa MF, Isaacs A, Dehghan A, d'Adamo P, Adeyemo A, Dieffenbach AK, Zonderman AB, Nolte IM, van der Most PJ, Wright AF, Shuldiner AR, Morrison AC, Hofman A, Smith AV, Dreisbach AW, Franke A, Uitterlinden AG, Metspalu A, Tonjes A, Lupo A, Robino A, Johansson A, Demirkiran A, Kollerits B, Freedman BI, Ponte B, Oostra BA, Paul-weber B, Kramer BK, Mitchell BD, Buckley BM, Peralta CA, Hayward C, Helmer C, Rotimi CN, Shaffer CM, Muller C, Sala C, van Duijn CM, Saint-Pierre A, Ackermann D, Shriner D, Ruggiero D, Toniolo D, Lu Y, Cusi D, Czamara D, Ellinghaus D, Siscovick DS, Ruderfer D, Gieger C, Grallert H, Rochtchina E, Atkinson EJ, Holliday EG, Boerwinkle E, Salvi E, Bottinger EP, Murgia F, Rivadeneira F, Ernst F, Kronenberg F, Hu FB, Navis GJ, Curhan GC, Ehret GB, Homuth G, Coassin S, Thun GA, Pistis G, Gambaro G, Mälerba G, Montgomery GW, Eiriksdottir G, Jacobs G, Li G, Wichmann HE, Campbell H, Schmidt H, Wallaschofski H, Volzke H, Brenner H, Kroemer HK, Kramer H, Lin H, Leach IM, Ford I, Guessous I, Rudan I, Prokopenko I, Borecki I, Heid IM, Kolcic I, Persico I, Jukema JW, Wilson JF, Felix JF, Divers J, Lambert JC, Stafford JM, Gaspoz JM, Smith JA, Faul JD, Wang JJ, Ding J, Hirschhorn JN, Attia J, Whitfield JB, Chalmers J, Viikari J, Coresh J, Denny JC, Karjalainen J, Fernandes JK, Endlich K, Butterbach K, Keene KL, Lohman K, Portas L, Launer LJ, Lyytikainen LP, Yengo L, Franke L, Ferrucci L, Rose LM, Kedenko L, Rao M, Struchalin M, Kleber ME, Cavalieri M, Haun M, Cornelis MC, Ciullo M, Pirastu M, de Andrade M, McEvoy MA, Woodward M, Adam M, Cocca M, Nauck M, Imboden M, Waldenberger M, Pruijm M, Metzger M, Stumvoll M, Evans MK, Sale MM, Kahonen M, Boban M, Bochud M, Rheinberger M, Verweij N, Bouatia-Naji N, Martin NG, Hastie N, Probst-Hensch N, Soranzo N, Devuyst O, Raitakari O, Gottesman O, Franco OH, Polasek O, Gasparini P, Munroe PB, Ridker PM, Mitchell P, Muntner P, Meisinger C, Smit JH, ICBP Consortium, AGEN Consortium, CARDIOPGRAM, CHARGE-Heart Failure Group, ECHOGEn Consortium, Kovacs P, Wild PS, Froguel P, Rettig R, Magi R, Biffar R, Schmidt R, Middelberg RP, Carroll RJ, Penninx BW, Scott RJ, Katz R, Sedaghat S, Wild SH, Kardia SL, Uliivi S, Hwang SJ, Enroth S, Kloiber S, Trompet S, Stengel B, Hancock SJ, Turner ST, Rosas SE, Stracke S, Harris TB, Zeller T, Zemunik T, Lehtimäki T, Illig T, Aspelund T, Nikopensius T, Esko T, Tanaka T, Gyllensten U, Volker U, Emilsson V, Vitart V, Aalto V, Gudnason V, Chouraki V, Chen WM, Igl W, Marz W, Koenig W, Lieb W, Loos RJ, Liu Y, Snieder H, Pramstaller PP, Parsa A, O'Connell JR, Susztak K, Hamet P, Tremblay J, de Boer IH, Boger CA, Goessling W, Chasman DL, Kottgen A, Kao WH, Fox CS. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nat Commun* 2016;7:10023

Pavan S, Rommel K, Mateo Marquina ME, Höhn S, Lanneau V, Rath A. Clinical Practice Guidelines for Rare Diseases: The Orphanet Database. *PLoS One* 2017;12(1):e0170365

Raitoharju E, Seppälä I, Lyytikäinen LP, Viikari J, Ala-Korpela M, Soininen P, Kangas AJ, Waldenberger M, Klopp N, Illig T, Leiviskä J, Loo BM, Oksala N, Kähönen M, Hutri-Kähönen N, Laaksonen R, Raitakari O, Lehtimäki T. Blood hsa-miR-122-5p and hsa-miR-885-5p levels associate with fatty liver and related lipoprotein metabolism-The Young Finns Study. *Sci Rep* 2016;6:38262

Ripperger T, Tawana K, Kratz C, Schlegelberger B, Fitzgibbon J, Steinemann D. Clinical utility gene card for: Familial platelet disorder with associated myeloid malignancies. *Eur J Hum Genet* 2016;24(8):DOI: 10.1038/ejhg.2015.278

Salari A, Thomay K, Himmler K, Vajen B, Schienke A, Hagedorn M, Ebersold J, Kreipe HH, Krüger A, Schambach A, Schlegelberger B, Göhring G. Establishing a murine xenograft-model for long-term analysis of factors inducing chromosomal instability in myelodysplastic syndrome: Pitfalls and successes. *Cancer Genet* 2016;209(6):258-266

Schieck M, Schouten JP, Michel S, Suttner K, Toncheva AA, Gaertner VD, Illig T, Lipinski S, Franke A, Klintschar M, Kalayci O, Sahiner UM, Birben E, Melen E, Pershagen G, Freidin MB, Ogorodova LM, Granell R, Henderson J, Brunekreef B, Smit HA, Vogelberg C, von Berg A, Buflé A, Heinzmann A, Laub O, Rietschel E, Simma B, Genuneit J, Jonigk D, Postma DS, Koppelman GH, Vonk JM, Timens W, Boezen HM, Kabesch M. Doublesex and mab-3 related transcription factor 1 (DMRT1) is a sex-specific genetic determinant of childhood-onset asthma and is expressed in testis and macrophages. *J Allergy Clin Immunol* 2016;138(2):421-431

Schlenk RF, Lübbert M, Benner A, Lamarter A, Krauter J, Herr W, Martin H, Salih HR, Kundgen A, Horst HA, Brossart P, Götz K, Nanchbaur D, Wattad M, Köhne CH, Fiedler W, Bentz M, Wulf G, Held G, Hertenstein B, Salvender H, Gaidzik VI, Schlegelberger B, Weber D, Döhner K, Ganser A, Döhner H, German-Austrian Acute Myeloid Leukemia Study Group. All-trans retinoic acid as adjunct to intensive treatment in younger adult patients with acute myeloid leukemia: results of the randomized AMLSG 07-04 study. Ann Hematol 2016;95(12):1931-1942

Schmidtke J. Stellenwert genetischer Untersuchungen beim Management des thorakalen Aortenaneurysmas (TAAD). Gefässchirurgie 2016;21(6):398-402

Scholz C, Steinemann D, Malzer M, Roy M, Arslan-Kirchner M, Illig T, Schmidtke J, Stuhrmann M. NCAM2 deletion in a boy with macrocephaly and autism: Cause, association or predisposition? Eur J Med Genet 2016;59(10):493-498

Schuchardt JP, Köbe T, Witte V, Willers J, Gingrich A, Tesky V, Pantel J, Rujescu D, Illig T, Flöel A, Hahn A. Genetic Variants of the FADS Gene Cluster Are Associated with Erythrocyte Membrane LC PUFA Levels in Patients with Mild Cognitive Impairment. J Nutr Health Aging 2016;20(6):611-620

Silvestri V, Barrowdale D, Mulligan AM, Neuhausen SL, Fox S, Karlan BY, Mitchell G, James P, Thull DL, Zorn KK, Carter NJ, Nathanson KL, Domchek SM, Rebbeck TR, Ramus SJ, Nussbaum RL, Olopade Ol, Rantala J, Yoon SY, Caligo MA, Spugnesi L, Bojesen A, Pedersen IS, Thomassen M, Jensen UB, Toland AE, Senter L, Andrulis IL, Glendon G, Hulick PJ, Imanitov EN, Greene MH, Mai PL, Singer CF, Rapaport-Fuerhauser C, Kramer G, Vijai J, Offit K, Robson M, Lincoln A, Jacobs L, Machackova E, Foretova L, Navratilova M, Vasickova P, Couch FJ, Hallberg E, Ruddy KJ, Sharma P, Kim SW, kConFab Investigators, Teixeira MR, Pinto P, Montagna M, Matricardi L, Arason A, Johannsson OT, Barkardottir RB, Jakubowska A, Lubinski J, Izquierdo A, Pujana MA, Balmaña J, Diez O, Ivady G, Papp J, Olah E, Kwong A, Hereditary Breast and Ovarian Cancer Research Group Netherlands (HEBON), Nevanlinna H, Aittomäki K, Perez Segura P, Caldes T, Van Maerken T, Poppe B, Claes KB, Isaacs C, Elan C, Lasset C, Stoppa-Lyonnet D, Barjhoux L, Belotti M, Meindl A, Gehrig A, Sutter C, Engel C, Niederacher D, Steinemann D, Hahnens E, Kast K, Arnold N, Varon-Mateeva R, Wand D, Godwin AK, Evans DG, Frost D, Perkins J, Adlard J, Izatt L, Platte R, Eeles R, Ellis S, EMBRACE, Hamann U, Garber J, Fostira F, Fountzilas G, Pasini B, Giannini G, Rizzolo P, Russo A, Cortesi L, Papi L, Varesco L, Palli D, Zanna I, Savarese A, Radice P, Manoukian S, Peissel B, Barile M, Bonanni B, Viel A, Pensotti V, Tommasi S, Peterlongo P, Weitzel JN, Osorio A, Benitez J, McGuffog L, Healey S, Gerdes AM, Ejlersen B, Hansen TV, Steele L, Ding YC, Tung N, Janavicius R, Goldgar DE, Buys SS, Daly MB, Bane A, Terry MB, John EM, Southey M, Easton DF, Chenevix-Trench G, Antoniou AC, Ottini L. Male breast cancer in BRCA1 and BRCA2 mutation carriers: pathology data from the Consortium of Investigators of Modifiers of BRCA1/2. Breast Cancer Res 2016;18(1):15

Song G, Pacher M, Balakrishnan A, Yuan Q, Tsay HC, Yang D, Reetz J, Brandes S, Dai Z, Putzer BM, Arauzo-Bravo MJ, Steinemann D, Luedde T, Schwabe RF, Manns MP, Schöler HR, Schambach A, Cantz T, Ott M, Sharma AD. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. Cell Stem Cell 2016;18(6):797-808

Theis F, Corbacioglu A, Gaidzik VI, Paschka P, Weber D, Bullinger L, Heuser M, Ganser A, Thol F, Schlegelberger B, Göhring G, Köhne CH, Germing U, Brossart P, Horst HA, Haase D, Götz K, Ringhoffer M, Fiedler W, Nachbaur D, Kindler T, Held G, Lübbert M, Wattad M, Salih HR, Krauter J, Döhner H, Schlenk RF, Döhner K. Clinical impact of GATA2 mutations in acute myeloid leukemia patients harboring CEBPA mutations: a study of the AML study group. Leukemia 2016;30(11):2248-2250

Thiesler CT, Cajic S, Hoffmann D, Thiel C, van Diepen L, Hennig R, Sgiodda M, Weissmann R, Reichl U, Steinemann D, Diekmann U, Huber NM, Oberbeck A, Cantz T, Kuss AW, Korner C, Schambach A, Rapp E, Buettner FF. Glycomic characterization of induced pluripotent stem cells derived from a patient suffering from phosphomannomutase 2 congenital disorder of glycosylation Mol Cell Proteomics 2016;15(4):1435-1452

Thol F, Klesse S, Köhler L, Gabdoulline R, Kloos A, Liebich A, Wichmann M, Chaturvedi A, Fabisch J, Gaidzik VI, Paschka P, Bullinger L, Bug G, Serve H, Göhring G, Schlegelberger B, Lubbert M, Kirchner H, Wattad M, Kraemer D, Hertenstein B, Heil G, Fiedler W, Krauter J, Schlenk RF, Döhner K, Döhner H, Ganser A, Heuser M. Acute myeloid leukemia derived from lympho-myeloid clonal hematopoiesis. Leukemia 2017;DOI: 10.1038/leu.2016.345

Vigorito E, Kuchenbaecker KB, Beesley J, Adlard J, Agnarsson BA, Andrulis IL, Arun BK, Barjhoux L, Belotti M, Benitez J, Berger A, Bojesen A, Bonanni B, Brewer C, Caldes T, Caligo MA, Campbell I, Chan SB, Claes KB, Cohn DE, Cook J, Daly MB, Damiola F, Davidson R, Pauw A, Delnatte C, Diez O, Domchek SM, Dumont M, Durda K, Dworniczak B, Easton DF, Eccles D, Edwinsdotter Arndor C, Eeles R, Ejlersen B, Ellis S, Evans DG, Feliubadalo L, Fostira F, Foulkes WD, Friedman E, Frost D, Gaddam P, Ganz PA, Garber J, Garcia-Barberan V, Gauthier-Villars M, Gehrig A, Gerdes AM, Giraud S, Godwin AK, Goldgar DE, Hake CR, Hansen TV, Healey S, Hodgson S, Hogervorst FB, Houdayer C, Hulick PJ, Imanitov EN, Isaacs C, Izatt L, Izquierdo A, Jacobs L, Jakubowska A, Janavicius R, Jaworska-Bieniek K, Jensen UB, John EM, Vijai J, Karlan BY, Kast K, Investigators K, Khan S, Kwong A, Laitman Y, Lester J, Lesueur F, Liljegeorg A, Lubinski J, Mai PL, Manoukian S, Mazoyer S, Meindl A, Mensenkamp AR, Montagna M, Nathanson KL, Neuhausen SL, Nevanlinna H, Niederacher D, Olah E, Olopade Ol, Ong KR, Osorio A, Park SK, Paulsson-Karlsson Y, Pedersen IS, Peissel B, Peterlongo P, Pfeiler G, Phelan CM, Piedmonte M, Poppe B, Pujana MA, Radice P, Rennert G, Rodriguez GC, Rookus MA, Ross EA, Schmutzler RK, Simard J, Singer CF, Slavin TP, Soucy P, Southey M, Steinemann D, Stoppa-Lyonnet D, Sukieniwicki G, Sutter C, Szabo CI, Tea MK, Teixeira MR, Teo SH, Terry MB, Thomassen M, Tibiletti MG, Tihomirova L, Tognazzo S, van Rensburg EJ, Varesco L, Varon-Mateeva R, Vratimos A, Weitzel JN, McGuffog L, Kirk J, Toland AE, Hamann U, Lindor N, Ramus SJ, Greene MH, Couch FJ, Offit K, Pharoah PD, Chenevix-Trench G, Antoniou AC. Fine-Scale Mapping at 9p22.2

Identifies Candidate Causal Variants That Modify Ovarian Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. PLoS One 2016;11(7):e0158801

Vogt J, Wernstedt A, Ripperger T, Pabst B, Zschocke J, Kratz C, Wimmer K. PMS2 inactivation by a complex rearrangement involving an HERV retroelement and the inverted 100-kb dupilon on 7p22.1. Eur J Hum Genet 2016;24(11):1598-1604

von Essen M, Rahikainen R, Oksala N, Raitoharju E, Seppälä I, Mennander A, Sioris T, Kholova I, Klopp N, Illig T, Karhunen PJ, Kähönen M, Lehtimäki T, Hytönen VP. Talin and vinculin are downregulated in atherosclerotic plaque; Tampere Vascular Study. Atherosclerosis 2016;255:43-53

Wahl S, Drong A, Lehne B, Loh M, Scott WR, Kunze S, Tsai PC, Ried JS, Zhang W, Yang Y, Tan S, Fiorito G, Franke L, Guarnera S, Kasela S, Kriebel J, Richmond RC, Adamo M, Afzal U, Ala-Korpela M, Albetti B, Ammerpohl O, Aupperley JF, Beekman M, Bertazzi PA, Black SL, Blancher C, Bonder MJ, Brosch M, Carstensen-Kirberg M, de Craen AJ, de Lusignan S, Dehghan A, Elkalaaway M, Fischer K, Franco OH, Gaunt TR, Hampe J, Hashemi M, Isaacs A, Jenkinson A, Jha S, Kato N, Krogh V, Laffan M, Meisinger C, Meitinger T, Mok ZY, Motta V, Ng HK, Nikolakopoulou Z, Ntelopoulos G, Panico S, Pervjakova N, Prokisch H, Rathmann W, Roden M, Rota F, Rozario MA, Sandling JK, Schafmayer C, Schramm K, Siebert R, Slagboom PE, Soininen P, Stolk L, Strauch K, Tai ES, Tarantini L, Thorand B, Tigchelaar EF, Tumino R, Uitterlinden AG, van Duijn C, van Meurs JB, Vineis P, Wickremasinghe AR, Wijmenga C, Yang TP, Yuan W, Zhernakova A, Batterham RL, Smith GD, Deloukas P, Heijmans BT, Herder C, Hofman A, Lindgren CM, Milani L, van der Harst P, Peters A, Illig T, Relton CL, Waldenberger M, Järvelin MR, Bollati V, Soong R, Spector TD, Scott J, McCarthy MI, Elliott P, Bell JT, Matullo G, Gieger C, Kooper JS, Grallert H, Chambers JC. Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity Nature 2017;541(7635):81-86

Wang HJ, Hinney A, Song JY, Scherag A, Meng XR, Grallert H, Illig T, Hebebrand J, Wang Y, Ma J. Association of common variants identified by recent genome-wide association studies with obesity in Chinese children: a case-control study. BMC Med Genet 2016;17:7

Wimmer K, Beilken A, Nustedt R, Ripperger T, Lamottke B, Ure B, Steinmann D, Reineke-Plaass T, Lehmann U, Zschocke J, Valle L, Fauth C, Kratz CP. A novel germline POLE mutation causes an early onset cancer prone syndrome mimicking constitutional mismatch repair deficiency. Fam Cancer 2017;16(1):67-71

Winkler TW, Justice AE, Graff M, Barata L, Feitosa MF, Chu S, Czajkowski J, Esko T, Fall T, Kilpelainen TO, Lu Y, Magi R, Mihailov E, Pers TH, Rueger S, Teumer A, Ehret GB, Ferreira T, Heard-Costa NL, Karjalainen J, Lagou V, Mahajan A, Neinast MD, Prokopenko I, Simino J, Teslovich TM, Jansen R, Westra HJ, White CC, Absher D, Ahluwalia TS, Ahmad S, Albrecht E, Alves AC, Bragg-Gresham JL, de Craen AJ, Bis JC, Bonnefond A, Boucher G, Cadby G, Cheng YC, Chiang CW, Delgado G, Demirkiran A, Dueker N, Eklund N, Eiriksdottir G, Eriksson J, Feenstra B, Fischer K, Frau F, Galesloot TE, Geller F, Goel A, Gorski M, Grammer TB, Gustafsson S, Haitjema S, Hottenga JJ, Huffman JE, Jackson AU, Jacobs KB, Johansson A, Kaakinen M, Kleber ME, Lahti J, Mateo Leach I, Lehne B, Liu Y, Lo KS, Lorentzon M, Luan J, Madden PA, Mangino M, McKnight B, Medina-Gomez C, Monda KL, Montasser ME, Muller G, Muller-Nurasyid M, Nolte IM, Panoutsopoulou K, Pascoe L, Paternoster L, Rayner NW, Renstrom F, Rizzi F, Rose LM, Ryan KA, Salo P, Sanna S, Scharnagl H, Shi J, Smith AV, Southam L, Stancakova A, Steinhorsdottir V, Strawbridge RJ, Sung YJ, Tachmazidou I, Tanaka T, Thorleifsson G, Trompet S, Pervjakova N, Tyrer JP, Vandenput L, van der Laan SW, van der Velde N, van Setten J, van Vliet-Ostaptchouk JV, Verweij N, Vlachopoulou E, Waite LL, Wang SR, Wang Z, Wild SH, Willenborg C, Wilson JF, Wong A, Yang J, Yengo L, Yerges-Armstrong LM, Yu L, Zhang W, Zhao JH, Andersson EA, Bakker SJ, Baldassarre D, Banasik K, Barcella M, Barlassina C, Bellis C, Benaglio P, Blangero J, Bluher M, Bonnet F, Bonnycastle LL, Boyd HA, Bruinenberg M, Buchman AS, Campbell H, Chen YI, Chines PS, Claudi-Boehm S, Cole J, Collins FS, de Geus EJ, de Groot LC, Dimitriou M, Duan J, Enroth S, Eury E, Farmaki AE, Forouhi NG, Friedrich N, Gejman PV, Gigante B, Glorioso N, Go AS, Gottesman O, Grassler J, Grallert H, Grarup N, Gu YM, Broer L, Ham AC, Hansen T, Harris TB, Hartman CA, Hassinen M, Hastie N, Hattersley AT, Heath AC, Henders AK, Hernandez D, Hillege H, Holmen O, Hovingh KG, Hui J, Husemoen LL, Hutri-Kahonen N, Hysi PG, Illig T, De Jager PL, Jalilzadeh S, Jorgensen T, Jukema JW, Juonala M, Kanoni S, Karaleftheri M, Khaw KT, Kinnunen L, Kittner SJ, Koenig W, Kolcic I, Kovacs P, Krarup NT, Kratzer W, Kruger J, Kuh D, Kumari M, Kyriakou T, Langenberg C, Lannfelt L, Lanzani C, Lotay V, Launer LJ, Leander K, Lindstrom J, Linneberg A, Liu YP, Lobbens S, Luben R, Lyssenko V, Mannisto S, Magnusson PK, McArdle WL, Menni C, Merger S, Milani L, Montgomery GW, Morris AP, Narisu N, Nelis M, Ong KK, Palotie A, Perusse L, Pichler I, Pilia MG, Pouta A, Rheinberger M, Ribeiro-Madsen R, Richards M, Rice KM, Rice TK, Rivolta C, Salomaa V, Sanders AR, Sarzynski MA, Scholtens S, Scott RA, Scott WR, Sebert S, Sengupta S, Sennblad B, Seufferlein T, Silveira A, Slagboom PE, Smit JH, Sparso TH, Stirrups K, Stolk RP, Stringham HM, Swertz MA, Swift AJ, Syvanen AC, Tan ST, Thorand B, Tonjes A, Tremblay A, Tsafantakis E, van der Most PJ, Volker U, Vohl MC, Vonk JM, Waldenberger M, Walker RW, Wennauer R, Widen E, Willemse G, Wilsgaard T, Wright AF, Zillikens MC, van Dijk SC, van Schoor NM, Asselbergs FW, de Bakker PI, Beckmann JS, Beilby J, Bennett DA, Bergman RN, Bergmann S, Boger CA, Boehm BO, Boerwinkle E, Boomstra DI, Bornstein SR, Bottinger EP, Bouchard C, Chambers JC, Chanock SJ, Chasman DI, Cucca F, Cusi D, Dedousis G, Erdmann J, Eriksson JG, Evans DA, de Faire U, Farrall M, Ferrucci L, Ford I, Franke L, Franks PW, Froguel P, Gansevoort RT, Gieger C, Gronberg H, Gudnason V, Gyllensten U, Hall P, Hamsten A, van der Harst P, Hayward C, Heliovaara M, Hengstenberg C, Hicks AA, Hingorani A, Hofman A, Hu F, Huikuri HV, Hveem K, James AL, Jordan JM, Jula A, Kahonen M, Kajantie E, Kathiresan S, Kiemeney LA, Kivimaki M, Knekt PB, Koistinen HA, Kooper JS, Koskinen S, Kuusisto J, Maerz W, Martin NG, Laakso M, Lakka TA, Lehtimäki T, Lettre G, Levinson DF, Lind L, Lokki ML, Mantyselka P, Melbyee M, Metspalu A, Mitchell BD, Moll FL, Murray JC, Musk AW, Nieminen MS, Njolstad I, Ohlsson C, Oldehinkel AJ, Ooststra BA, Palmer LJ, Pankow JS, Pasterkamp G, Pedersen NL, Pedersen O, Penninx BW, Perola M, Peters A, Polasek O, Pramstaller PP, Psaty BM, Qi L, Quertermous T, Raitakari OT, Rankinen T, Rauramaa R, Ridker PM, Rioux JD, Rivadeneira F, Rotter JI, Rudan I, den Ruijter HM, Saltevo J, Sattar N, Schunkert H, Schwarz PE, Shuldiner AR, Sinisalo J, Snieder H, Sorensen TI, Spector TD, Staessen JA, Stefania B, Thorsteinsdottir U, Stumvoll M, Tardif JC, Tremoli E, Tuomilehto J, Uitterlinden AG, Uusitupa M, Verbeek AL, Vermeulen SH, Viikari JS, Vitart V, Volzke H, Vollenweider P, Waeber G, Walker

M, Wallaschofski H, Wareham NJ, Watkins H, Zeggini E, arcOGEN Consortium, CHARGE Consortium, DIAGRAM Consortium, GLGC Consortium, Global-BPGen Consortium, ICBP Consortium, MAGIC Consortium, Chakravarti A, Clegg DJ, Cupples LA, Gordon-Larsen P, Jaquish CE, Rao DC, Abecasis GR, Assimes TL, Barroso I, Berndt SI, Boehnke M, Deloukas P, Fox CS, Groop LC, Hunter DJ, Ingelsson E, Kaplan RC, McCarthy MI, Mohlke KL, O'Connell JR, Schlessinger D, Strachan DP, Stefansson K, van Duijn CM, Hirschhorn JN, Lindgren CM, Heid IM, North KE, Borecki IB, Kutalik Z, Loos RJ. Correction: The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genet* 2016;12(6):e1006166

Zanoni P, Khetarpal SA, Larach DB, Hancock-Cerutti WF, Millar JS, Cuchel M, DerOhannessian S, Kontush A, Surendran P, Saleheen D, Trompet S, Jukema JW, De Craen A, Deloukas P, Sattar N, Ford I, Packard C, Majumder A, Alam DS, Di Angelantonio E, Abecasis G, Chowdhury R, Erdmann J, Nordestgaard BG, Nielsen SF, Tybjaerg-Hansen A, Schmidt RF, Kuulasmaa K, Liu DJ, Perola M, Blankenberg S, Salomaa V, Mannisto S, Amouyel P, Arveiler D, Ferrieres J, Muller-Nurasyid M, Ferrario M, Kee F, Willer CJ, Samani N, Schunkert H, Butterworth AS, Howson JM, Peloso GM, Stitziel NO, Danesh J, Kathiresan S, Rader DJ, CHD Exome+ Consortium, CARDIoGRAM Exome Consortium, Global Lipids Genetics Consortium. Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. *Science* 2016;351(6278):1166-1171

Zeng C, Guo X, Long J, Kuchenbaecker KB, Droit A, Michailidou K, Ghousaini M, Kar S, Freeman A, Hopper JL, Milne RL, Bolla MK, Wang Q, Dennis J, Agata S, Ahmed S, Aittomaki K, Andrusil IL, Anton-Culver H, Antonenkova NN, Arason A, Arndt V, Arun BK, Arver B, Bacot F, Barrowdale D, Baynes C, Beeghly-Fadiel A, Benitez J, Bermisheva M, Blomqvist C, Blot WJ, Bogdanova NV, Bojesen SE, Bonanni B, Borresen-Dale AL, Brand JS, Brauch H, Brennan P, Brenner H, Broeks A, Bruning T, Burwinkel B, Buys SS, Cai Q, Caldes T, Campbell I, Carpenter J, Chang-Claude J, Choi JY, Claes KB, Clarke C, Cox A, Cross SS, Czene K, Daly MB, de la Hoya M, De Leeneer K, Devilee P, Diez O, Domchek SM, Doody M, Dorfling CM, Dörk T, Dos-Santos-Silva I, Dumont M, Dwek M, Dworniczak B, Egan K, Elber U, Einbeigi Z, Ejlertsen B, Ellis S, Frost D, Laloo F, EMBRACE, Fasching PA, Figuerola J, Flyger H, Friedlander M, Friedman E, Gambino G, Gao YT, Garber J, Garcia-Closas M, Gehrig A, Damiola F, Lesueur F, Mazoyer S, Stoppa-Lyonnet D, behalf of GEMO Study Collaborators, Giles GG, Godwin AK, Goldgar DE, Gonzalez-Neira A, Greene MH, Guenel P, Haeberle L, Haiman CA, Hallberg E, Hamann U, Hansen TV, Hart S, Hartikainen JM, Hartman M, Hassan N, Healey S, Hogervorst FB, Verhoef S, HEBON, Hendricks CB, Hillemanns P, Hollestelle A, Hulick PJ, Hunter DJ, Imyanitov EN, Isaacs C, Ito H, Jakubowska A, Janavicius R, Jaworska-Bieniek K, Jensen UB, John EM, Joly Beauparlant C, Jones M, Kabisch M, Kang D, Karlan BY, Kauppila S, Kerin MJ, Khan S, Khusnutdinova E, Knight JA, Konstantopoulou I, Kraft P, Kwong A, Laitman Y, Lambrechts D, Lazaro C, Le Marchand L, Lee CN, Lee MH, Lester J, Li J, Liljegren A, Lindblom A, Lophatananon A, Lubinski J, Mai PL, Mannermaa A, Manoukian S, Margolin S, Marme F, Matsuo K, McGuffog L, Meindl A, Menegaux F, Montagna M, Muir K, Mulligan AM, Nathanson KL, Neuhausen SL, Nevanlinna H, Newcomb PA, Nord S, Nussbaum RL, Offit K, Olah E, Olopade OI, Olswold C, Osorio A, Papi L, Park-Simon TW, Paulsson-Karlsson Y, Peeters S, Peissel B, Peterlongo P, Peto J, Pfeiler G, Phelan CM, Presneau N, Radice P, Rahman N, Ramus SJ, Rashid MU, Rennert G, Rhiem K, Rudolph A, Salani R, Sangrajrang S, Sawyer EJ, Schmidt MK, Schmutzler RK, Schoemaker MJ, Schurmann P, Seynaeve C, Shen CY, Shrubsall MJ, Shu XO, Sigurdson A, Singer CF, Slager S, Soucy P, Southey M, Steinemann D, Swerdlow A, Szabo CI, Tchatchou S, Teixeira MR, Teo SH, Terry MB, Tessier DC, Teule A, Thomassen M, Tihomirova L, Tischkowitz M, Toland AE, Tung N, Turnbull C, van den Ouwendijk AM, van Rensburg EJ, Ven den Berg D, Vijai J, Wang-Gohrke S, Weitzel JN, Whittemore AS, Wingquist R, Wong TY, Wu AH, Yannoukakos D, Yu JC, Pharoah PD, Hall P, Chenevix-Trench G, KConFab, AOCS Investigators, Dunning AM, Simard J, Couch FJ, Antoniou AC, Easton DF, Zheng W. Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. *Breast Cancer Res* 2016;18(1):64

## Übersichtsarbeiten

Christgen M, Steinemann D, Kühnle E, Länger F, Gluz O, Harbeck N, Kreipe H. Lobular breast cancer: Clinical, molecular and morphological characteristics. *Pathol Res Pract* 2016;212(7):583-597

Penkert J, Ripperger T, Schieck M, Schlegelberger B, Steinemann D, Illig T. On metabolic reprogramming and tumor biology: A comprehensive survey of metabolism in breast cancer. *Oncotarget* 2016;7(41):67626-67649

## Promotionen

Fricke, Jette (Dr. med.): Untersuchung der Expression des Valosincontaining Proteins (VCP) in malignen Tumoren  
MHH-Signatur: D 80471

Ristau, Steven (Dr. med.): Ein Drusen-assozierter Polymorphismus auf dem Rhesusaffen-Ortholog zum humanen Chromosomsegment 6q14-15  
MHH-Signatur: D 80611

Sandbothe, Maria (Dr. rer. nat.): Funktionelle Bedeutung der tumorsuppressiven microRNA-449-Familie im hepatzellulären Karzinom  
MHH-Signatur: D 80414

Stechmann, Anne (Dr. med.): Untersuchungen neuer molekulargenetischer Verfahren zur Verbesserung der Diagnostik des Morbus Wilson  
MHH-Signatur: D 80682

## Masterarbeiten

Moch, Sophie (M.Sc.): Change Management- Optimierung der Umsetzung von Änderungen durch Entwicklung möglicher Lösungsstrategien

van Luttkhuizen, Jana (M.Sc.): HER2 copy number assessment of formalin-fixed, paraffin-embedded (FFPE) breast cancer tissue with Molecular Inversion Probes (MIPs) is highly concordant with standard methods

## Institut für Pathologie – 5110

### Originalpublikationen

Abbas M, Steffens S, Bellut M, Becker JU, Großhennig A, Eggers H, Wegener G, Kuczyk MA, Kreipe HH, Grünwald V, Schrader AJ, Ivanyi P. Do programmed death 1 (PD-1) and its ligand (PD-L1) play a role in patients with non-clear cell renal cell carcinoma? *Med Oncol* 2016;33(6):59

Abbas M, Steffens S, Bellut M, Eggers H, Großhennig A, Becker JU, Wegener G, Schrader AJ, Grünwald V, Ivanyi P. Intratumoral expression of programmed death ligand 1 (PD-L1) in patients with clear cell renal cell carcinoma (ccRCC) *Med Oncol* 2016;33(7):80

Alfonso JC, Köhn-Luque A, Stylianopoulos T, Feuerhake F, Deutsch A, Hatzikirou H. Why one-size-fits-all vaso-modulatory interventions fail to control glioma invasion: in silico insights. *Sci Rep* 2016;6:37283

Alfonso JC, Schaadt NS, Schönmeyer R, Brieu N, Forestier G, Wemmert C, Feuerhake F, Hatzikirou H. In-silico insights on the prognostic potential of immune cell infiltration patterns in the breast lobular epithelium. *Sci Rep* 2016;6:33322

Apou G, Schaadt NS, Naegel B, Forestier G, Schönmeyer R, Feuerhake F, Wemmert C, Grote A. Detection of lobular structures in normal breast tissue. *Comput Biol Med* 2016;74:91-102

Bartels S, Lehmann U, Büsche G, Schlue J, Kreipe H. Evolution of chronic myelomonocytic leukemia to myeloproliferative neoplasm *Ann Hematol* 2016;95(8):1377-1380

Bartels S, Schipper E, Hasemeier B, Kreipe H, Lehmann U. Routine clinical mutation profiling using next generation sequencing and a customized gene panel improves diagnostic precision in myeloid neoplasms *Oncotarget* 2016;7(21):30084-30093

Baumann AK, Schlue J, Noyan F, Hardtke-Wolenski M, Lehner F, Barg-Hock H, Klempnauer J, Manns MP, Taubert R, Jaeckel E. Preferential accumulation of T helper cells but not cytotoxic T cells characterizes benign subclinical rejection of human liver allografts *Liver Transpl* 2016;22(7):943-955

Baumert BG, Hegi ME, van den Bent MJ, von Deimling A, Gorlia T, Hoang-Xuan K, Brandes AA, Kantor G, Taphoorn MJ, Hassel MB, Hartmann C, Ryan G, Capper D, Kros JM, Kurscheid S, Wick W, Enting R, Reni M, Thiessen B, Dhermain F, Bromberg JE, Feuvret L, Reijneveld JC, Chinot O, Gijtenbeek JM, Rossiter JP, Dif N, Balana C, Bravo-Marques J, Clement PM, Marosi C, Tzuk-Shina T, Nordal RA, Rees J, Lacombe D, Mason WP, Stupp R. Temozolomide chemotherapy versus radiotherapy in high-risk low-grade glioma (EORTC 22033-26033): a randomised, open-label, phase 3 intergroup study *Lancet Oncol* 2016;17(11):1521-1532

Behler-Janbeck F, Takano T, Maus R, Stolper J, Jonigk D, Tort Tarres M, Fuehner T, Prasse A, Welte T, Timmer MS, Stocker BL, Nakanishi Y, Miyamoto T, Yamasaki S, Maus UA. C-type Lectin Minicle Recognizes Glucosyl-diacylglycerol of *Streptococcus pneumoniae* and Plays a Protective Role in Pneumococcal Pneumonia. *PLoS Pathog* 2016;12(12):e1006038

Behling F, Barrantes-Freer A, Skardelly M, Nieser M, Christians A, Stockhammer F, Rohde V, Tatagiba M, Hartmann C, Stadelmann C, Schittenhelm J. Frequency of BRAF V600E mutations in 969 central nervous system neoplasms *Diagn Pathol* 2016;11(1):55

Beier R, Sykora KW, Woessmann W, Maecker-Kolhoff B, Sauer M, Kreipe HH, Dörk-Bousset T, Kratz C, Lauten M. Allogeneic-matched sibling stem cell transplantation in a 13-year-old boy with ataxia telangiectasia and EBV-positive non-Hodgkin lymphoma. *Bone Marrow Transplant* 2016;51(9):1271-1274

Borlak J, Länger F, Spanel R, Schöndorfer G, Dittrich C. Immune-mediated liver injury of the cancer therapeutic antibody catumaxomab targeting EpCAM, CD3 and Fc $\gamma$  receptors *Oncotarget* 2016;7(19):28059-28074

Buesche G, Teoman H, Giagounidis A, Göhring G, Schlegelberger B, Ganser A, Aul C, Kreipe HH. Impaired formation of erythroblastic islands is associated with erythroid failure and poor prognosis in a significant proportion of patients with myelodysplastic syndromes *Haematologica* 2016;101(5):e177-81

Bures M, Höffler HK, Friedel G, Kyriss T, Boedeker E, Länger F, Zardo P, Zhang R. Albumin-glutaraldehyde glue for repair of superficial lung defect: an in vitro experiment *J Cardiothorac Surg* 2016;11(1):63

Bures M, Zardo P, Länger F, Zhang R. Improved application technique of albumin-glutaraldehyde glue for repair of superficial lung defects J Cardiothorac Surg 2016;11(1):149

Christgen M, van Luttkhuizen JL, Raap M, Braubach P, Schmidt L, Jonigk D, Feuerhake F, Lehmann U, Schlegelberger B, Kreipe HH, Steinemann D. Precise ERBB2 copy number assessment in breast cancer by means of molecular inversion probe array analysis Oncotarget 2016;7(50):82733-82740

Dabral S, Tian X, Kojonazarov B, Savai R, Ghofrani HA, Weissmann N, Florio M, Sun J, Jonigk D, Maegel L, Grimminger F, Seeger W, Savai Pullamsetti S, Schermuly RT. Notch1 signalling regulates endothelial proliferation and apoptosis in pulmonary arterial hypertension. Eur Respir J 2016;48(4):1137-1149

Denkert C, Wienert S, Poterie A, Loibl S, Budczies J, Badve S, Bago-Horvath Z, Bane A, Bedri S, Brock J, Chmielik E, Christgen M, Colpaert C, Demaria S, Van den Eynden G, Floris G, Fox SB, Gao D, Ingold Heppner B, Kim SR, Kos Z, Kreipe HH, Lakhani SR, Penault-Llorca F, Pruner G, Radosevic-Robin N, Rimm DL, Schnitt SJ, Sinn BV, Sinn P, Sirtaine N, O'Toole SA, Viale G, Van de Vijver K, de Wind R, von Minckwitz G, Klauschen F, Untch M, Fasching PA, Reimer T, Willard-Gallo K, Michiels S, Loi S, Salgado R. Standardized evaluation of tumor-infiltrating lymphocytes in breast cancer: results of the ring studies of the international immuno-oncology biomarker working group Mod Pathol 2016;29(10):1155-1164

Derlin T, Alchalby H, Bannas P, Laqmani A, Ayuk F, Trivai I, Kreipe HH, Bengel FM, Kröger N. Serial 18F-FDG PET for Monitoring Treatment Response After Allogeneic Stem Cell Transplantation for Myelofibrosis J Nucl Med 2016;57(10):1556-1559

Derlin T, Kreipe HH, Schumacher U, Soudah B. PSMA Expression in Tumor Neovasculature Endothelial Cells of Follicular Thyroid Adenoma as Identified by Molecular Imaging Using 68Ga-PSMA Ligand PET/CT Clin Nucl Med 2017;42(3):e173-e174

Endris V, Stenzinger A, Pfarr N, Penzel R, Möbs M, Lenze D, Darb-Esfahani S, Hummel M, Merkelbach-Bruse S, Jung A, Lehmann U, Kreipe H, Kirchner T, Büttner R, Jochum W, Höfle G, Dietel M, Weichert W, Schirmacher P. NGS-based BRCA1/2 mutation testing of high-grade serous ovarian cancer tissue: results and conclusions of the first international round robin trial Virchows Arch 2016;468(6):697-705

Gluz O, Liedtke C, Huober J, Peyro-Saint-Paul H, Kates RE, Kreipe HH, Hartmann A, Pelz E, Erber R, Mohrmann S, Möbus V, Augustin D, Hoffmann G, Thomssen C, Jänicke F, Kiechle M, Wallwiener D, Kuhn W, Nitz U, Harbeck N, EC-Doc investigators (West German Study Group/AGO-B). Comparison of prognostic and predictive impact of genomic or central grade and immunohistochemical subtypes or IHC4 in HR+/HER2- early breast cancer: WSG-AGO EC-Doc Trial Ann Oncol 2016;27(6):1035-1040

Gluz O, Nitz UA, Christgen M, Kates RE, Shak S, Clemens M, Kraemer S, Aktas B, Kuemmel S, Reimer T, Kusche M, Heyl V, Lorenz-Salehi F, Just M, Hofmann D, Degenhardt T, Liedtke C, Svedman C, Wuerstlein R, Kreipe HH, Harbeck N. West German Study Group Phase III PlanB Trial: First Prospective Outcome Data for the 21-Gene Recurrence Score Assay and Concordance of Prognostic Markers by Central and Local Pathology Assessment J Clin Oncol 2016;34(20):2341-2349

Gren ST, Janciauskienė S, Sandeep S, Jonigk D, Kvist PH, Gerwien JG, Hakansson K, Grip O. The protease inhibitor cystatin C down-regulates the release of IL-beta and TNF-alpha in lipopolysaccharide activated monocytes. J Leukoc Biol 2016;100(4):811-822

Hardtke-Wolenski M, Dywicki J, Fischer K, Hapke M, Sievers M, Schlue J, Anderson MS, Taubert R, Noyan F, Manns MP, Jäckel E. The influence of genetic predisposition and autoimmune hepatitis inducing antigens in disease development J Autoimmun 2017;78:39-45

Hering T, Braubach P, Landwehrmeyer GB, Lindenberg KS, Melzer W. Fast-to-Slow Transition of Skeletal Muscle Contractile Function and Corresponding Changes in Myosin Heavy and Light Chain Formation in the R6/2 Mouse Model of Huntington's Disease PLoS One 2016;11(11):e0166106

Hökendorf U, Yabal M, Herold T, Munkhbaatar E, Rott S, Jilg S, Kauschinger J, Magnani G, Reisinger F, Heuser M, Kreipe H, Sotlar K, Engleitner T, Rad R, Weichert W, Peschel C, Ruland J, Heikenwalder M, Spiekermann K, Slotta-Huspenina J, Groß O, Jost PJ. RIPK3 Restricts Myeloid Leukemogenesis by Promoting Cell Death and Differentiation of Leukemia Initiating Cells Cancer Cell 2016;30(1):75-91

Huang K, Yang M, Pan Z, Heidel FH, Scherr M, Eder M, Fischer T, Büsche G, Welte K, von Neuhoff N, Ganser A, Li Z. Leukemogenic potency of the novel FLT3-N676K mutant. Ann Hematol 2016;95(5):783-791

Hueper K, Gutberlet M, Bräsen JH, Jang MS, Thorenz A, Chen R, Hertel B, Barrmeyer A, Schmidbauer M, Meier M, von Vietinghoff S, Khalifa A, Hartung D, Haller H, Wacker F, Rong S, Gueler F. Multiparametric Functional MRI: Non-Invasive Imaging of Inflammation and Edema Formation after Kidney Transplantation in Mice. PLoS One 2016;11(9):e0162705

Hueper K, Khalifa AA, Bräsen JH, Vo Chieu VD, Gutberlet M, Wintterle S, Lehner F, Richter N, Peperhove M, Tewes S, Weber K, Haller H, Wacker F, Gwinner W, Gueler F, Hartung D. Diffusion-Weighted imaging and diffusion tensor imaging detect delayed graft function and correlate with allograft fibrosis in patients early after kidney transplantation. J Magn Reson Imaging 2016;44(1):112-121

Hussein K, Peter C, Sedlacek L, Kaisenberg CV, Kreipe HH. Nekrotisierende Funikulitis : Histopathologischer Indikator für eine okkulte konnatale Syphilis. Pathologe 2016;DOI: 10.1007/s00292-016-0177-5

Izykowski N, Kuehnel M, Hussein K, Mitschke K, Gunn M, Janciauskienė S, Haverich A, Warnecke G, Laenger F, Maus U, Jonigk D. Organizing pneumonia in mice and men. J Transl Med 2016;14(1):169

Kakchekeeva T, Demirröder C, Herath NI, Griffiths D, Torkington J, Solass W, Dutreix M, Reymond MA. In Vivo Feasibility of Electrostatic Precipitation as an Adjunct to Pressurized Intraperitoneal Aerosol Chemotherapy (ePIPAC). Ann Surg Oncol 2016;23(Suppl. 5):592-598

Kampers J, Orjuela-Grimm M, Schober T, Schulz TF, Stiefel M, Klein C, Körholz D, Mauz-Körholz C, Kreipe H, Beier R, Maecker-Kolhoff B. Classical Hodgkin lymphoma-type PTLD after solid organ transplantation in children: a report on 17 patients treated according to subsequent GPOH-HD treatment schedules Leuk Lymphoma 2017;58(3):633-638

Kellner M, Heidrich M, Lorbeer RA, Antonopoulos GC, Knudsen L, Wrede C, Izykowski N, Grothausmann R, Jonigk D, Ochs M, Ripken T, Kühnel MP, Meyer H. A combined method for correlative 3D imaging of biological samples from macro to nano scale. Sci Rep 2016;6:35606

Korstanje R, Deutsch K, Bolanos-Palmieri P, Hanke N, Schroder P, Staggs L, Bräsen JH, Roberts IS, Sheehan S, Savage H, Haller H, Schiffer M. Loss of Kynurenine 3-Mono-oxygenase Causes Proteinuria J Am Soc Nephrol 2016;27(11):3271-3277

Krüger M, Zinne N, Biancosino C, Höffler K, Rajab TK, Waldmann KH, Jonigk D, Avsar M, Haverich A, Hoeltig D. Porcine pulmonary auto-transplantation for ex vivo therapy as a model for new treatment strategies. Interact Cardiovasc Thorac Surg 2016;23(3):358-366

Krüger M, Zinne N, Shin H, Zhang R, Biancosino C, Kropivnitskaja I, Länger F, Haverich A, Dettmer S. Minimal-invasive Thoraxchirurgie. Macht die moderne Computertomographie die Palpationskontrolle verzichtbar? Chirurg 2016;87(2):136-143

Lemound J, Schenk M, Keller G, Stucki-Koch A, Witting S, Kreipe H, Hussein K. Cytogenetic and immunohistochemical biomarker profiling of therapy-relevant factors in salivary gland carcinomas J Oral Pathol Med 2016;45(9):655-663

Leo F, Bartels S, Mägel L, Framke T, Büsche G, Jonigk D, Christgen M, Lehmann U, Kreipe H. Prognostic factors in the myoepithelial-like spindle cell type of metaplastic breast cancer. Virchows Arch 2016;469(2):191-201

Loeschke S, Ohlmann AK, Bräsen JH, Holst R, Warnke PH. Prognostic value of HMGA2, P16, and HPV in oral squamous cell carcinomas J Craniomaxillofac Surg 2016;44(9):1422-1429

Mock A, Geisenberger C, Orlik C, Warta R, Schwager C, Jungk C, Dutruel C, Geiselhart L, Weichenhan D, Zucknick M, Nied AK, Friauf S, Exner J, Capper D, Hartmann C, Lahrmann B, Grabe N, Debus J, von Deimling A, Popanda O, Plass C, Unterberg A, Abdollahi A, Schmezer P, Herold-Mende C. LOC283731 promoter hypermethylation prognosticates survival after radiochemotherapy in IDH1 wild-type glioblastoma patients Int J Cancer 2016;139(2):424-432

Mossner M, Jann JC, Nowak D, Platzbecker U, Giagounidis A, Götze K, Letsch A, Haase D, Shirneshan K, Braulke F, Schlenk RF, Haferlach T, Schafhausen P, Bug G, Lübbert M, Ganser A, Büsche G, Schuler E, Nowak V, Pressler J, Obländer J, Fey S, Müller N, Lauinger-Lörsch E, Metzgeroth G, Weiss C, Hofmann WK, Germing U, Nolte F. Prevalence, clonal dynamics and clinical impact of TP53 mutations in patients with myelodysplastic syndrome with isolated deletion (5q) treated with lenalidomide: results from a prospective multicenter study of the german MDS study group (GMDS). Leukemia 2016;30(9):1956-1959

Mulay SR, Desai J, Kumar SV, Eberhard JN, Thomasova D, Romoli S, Grigorescu M, Kulkarni OP, Popper B, Vielhauer V, Zuchtriegel G, Reichel C, Bräsen JH, Romagnani P, Bilyy R, Munoz LE, Herrmann M, Liapis H, Krautwald S, Linkermann A, Anders HJ. Cytotoxicity of crystals involves RIPK3-MLKL-mediated necroptosis Nat Commun 2016;7:10274

Neyazi B, Herz A, Stein KP, Gawish I, Hartmann C, Wilkens L, Erguen S, Dumitru CA, Sandalcioglu IE. Brain arteriovenous malformations: implications of CEACAM1-positive inflammatory cells and sex on hemorrhage Neurosurg Rev 2017;40(1):129-134

Olsson KM, Olle S, Fuge J, Welte T, Hoeper MM, Lerch C, Maegel L, Haller H, Jonigk D, Schiffer L. CXCL13 in idiopathic pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respir Res 2016;17:21

Otte A, Yang Y, von der Ohe J, Melzer C, Hillemanns P, Feuerhake F, Hass R. SCCOHT tumors acquire chemoresistance and protection by interacting mesenchymal stroma/stem cells within the tumor microenvironment. Int J Oncol 2016;49(6):2453-2463

Petrakakis I, Pirayesh A, Krauss JK, Raab P, Hartmann C, Nakamura M. The sellar and suprasellar region: A "hideaway" of rare lesions. Clinical aspects, imaging findings, surgical outcome and comparative analysis. Clin Neurol Neurosurg 2016;149:154-165

Pils MC, Dreckmann K, Jansson K, Glage S, Held N, Sommer W, Länger F, Avsar M, Warnecke G, Bleich A. Mortality Due to Porcine Reproductive and Respiratory Syndrome Virus in Immunocompromised Gottingen Minipigs (*Sus scrofa domestica*) Comp Med 2016;66(5):392-398

Poehnert D, Grethe L, Maegel L, Jonigk D, Lippmann T, Kaltenborn A, Schrem H, Klempnauer J, Winny M. Evaluation of the Effectiveness of Peritoneal Adhesion Prevention Devices in a Rat Model. Int J Med Sci 2016;13(7):524-532

Rafikova O, Rafikov R, Kangath A, Qu N, Aggarwal S, Sharma S, Desai J, Fields T, Ludewig B, Yuan JX, Jonigk D, Black SM. Redox regulation of epidermal growth factor receptor signaling during the development of pulmonary hypertension. Free Radic Biol Med 2016;95:96-111

Riehle M, Büscher AK, Gohlke BO, Kassmann M, Kolatsi-Joannou M, Bräsen JH, Nagel M, Becker JU, Winyard P, Hoyer PF, Preissner R, Krautwurst D, Gollasch M, Weber S, Harteneck C. TRPC6 G757D Loss-of-Function Mutation Associates with FSGS J Am Soc Nephrol 2016;27(9):2771-2783

Röhrich M, Koelsche C, Schrimpf D, Capper D, Sahm F, Kratz A, Reuss J, Hovestadt V, Jones DT, Bewerunge-Hudler M, Becker A, Weis J, Mawrin C, Mittelbronn M, Perry A, Mautner VF, Mechttersheimer G, Hartmann C, Okuducu AF, Arp M, Seiz-Rosenhagen M, Hänggi D, Heim S, Paulus W, Schittenhelm J, Ahmadi R, Herold-Mende C, Unterberg A, Pfister SM, von Deimling A, Reuss DE. Methylation-based classification of benign and malignant peripheral nerve sheath tumors Acta Neuropathol 2016;131(6):877-887

Rüschoff J, Lebeau A, Kreipe H, Sinn P, Gerharz CD, Koch W, Morris S, Ammann J, Untch M, Nicht-interventionelle Untersuchung (NIU) HER2 Study Group. Assessing HER2 testing quality in breast cancer: variables that influence HER2 positivity rate from a large, multicenter, observational study in Germany Mod Pathol 2017;30(2):217-226

Salari A, Thomay K, Himmeler K, Vajen B, Schienke A, Hagedorn M, Ebersold J, Kreipe HH, Krüger A, Schambach A, Schlegelberger B, Göhring G. Establishing a murine xenograft-model for long-term analysis of factors inducing chromosomal instability in myelodysplastic syndrome: Pitfalls and successes Cancer Genet 2016;209(6):258-266

Schieck M, Schouten JP, Michel S, Suttner K, Toncheva AA, Gaertner VD, Illig T, Lipinski S, Franke A, Klintschar M, Kalayci O, Sahiner UM, Birben E, Melen E, Pershagen G, Freidin MB, Ogorodova LM, Granell R, Henderson J, Brunekreef B, Smit HA, Vogelberg C, von Berg A, Bufla A, Heinemann A, Laub O, Rietschel E, Simma B, Genuneit J, Jonigk D, Postma DS, Koppelman GH, Vonk JM, Timens W, Boezen HM, Kabesch M. Doublesex and mab-3 related transcription factor 1 (DMRT1) is a sex-specific genetic determinant of childhood-onset asthma and is expressed in testis and macrophages. J Allergy Clin Immunol 2016;138(2):421-431

Schiffgens S, Wilkens L, Brandes AA, Meier T, Franceschi E, Ermani M, Hartmann C, Sandalcioglu IE, Dumitru CA. Sex-specific clinicopathological significance of novel (Frizzled-7) and established (MGMT, IDH1) biomarkers in glioblastoma Oncotarget 2016;7(34):55169-55180

Schlenk RF, Stegelmann F, Reiter A, Jost E, Gattermann N, Hebart H, Waller C, Hochhaus A, Platzbecker U, Schafhausen P, Blau IW, Verbeek W, Heidel FH, Werner M, Kreipe H, Teleanu V, Benner A, Döhner H, Grießhammer M, Döhner K. Pomalidomide in myeloproliferative neoplasm-associated myelofibrosis Leukemia 2017;31(4):889-895

Schliesser MG, Claus R, Hielscher T, Grimm C, Weichenhan D, Blaes J, Wiestler B, Hau P, Schramm J, Sahm F, Weiss EK, Weiler M, Baer C, Schmidt-Graf F, Schackert G, Westphal M, Hertenstein A, Roth P, Galldiks N, Hartmann C, Pietsch T, Felsberg J, Reifenberger G, Sabel MC, Winkler F, von Deimling A, Meisner C, Vajkoczy P, Platten M, Weller M, Plass C, Wick W. Prognostic relevance of miRNA-155 methylation in anaplastic glioma Oncotarget 2016;7(50):82028-82045

Schmidt H, Michel C, Braubach P, Fauler M, Neubauer D, Thompson KE, Frick M, Mizaikoff B, Dietl P, Wittekindt OH. Water Permeability Adjusts Resorption in Lung Epithelia to Increased Apical Surface Liquid Volumes Am J Respir Cell Mol Biol 2017;56(3):372-382

Schmidt JJ, Ramazan L, Bockemeyer C, Günter HH, Martens-Lobenhoffer J, Ganzenmüller T, Bode-Böger SM, Kielstein JT. Acute interstitial nephritis due to flecainide therapy in the 38(th) week of pregnancy. BMC Nephrol 2016;17:28

Schneider RK, Schenone M, Ferreira MV, Kramann R, Joyce CE, Hartigan C, Beier F, Brümmendorf TH, Germing U, Platzbecker U, Büsche G, Knüchel R, Chen MC, Waters CS, Chen E, Chu LP, Novina CD, Lindsley RC, Carr SA, Ebert BL. Rps14 haploinsufficiency causes a block in erythroid differentiation mediated by S100A8 and S100A9. Nat Med 2016;22(3):288-297

Schrem H, Focken M, Gunson B, Reichert B, Mirza D, Kreipe HH, Neil D, Kaltenborn A, Goldis A, Krauth C, Roberts K, Becker T, Klempnauer J, Neuberger J. The new liver allocation score for transplantation is validated and improved transplant survival benefit in Germany but not in the United Kingdom Liver Transpl 2016;22(6):743-756

Siemeni T, Knöfel AK, Madrahimov N, Sommer W, Avsar M, Salman J, Ius F, Frank N, Büchler G, Jonigk D, Jansson K, Maus U, Tudorache I, Falk CS, Haverich A, Warnecke G. In Vivo Development of Transplant Arteriosclerosis in Humanized Mice Reflects Alloantigen Recognition and Peripheral Treg Phenotype of Lung Transplant Recipients. *Am J Transplant* 2016;16(11):3150-3162

Stefanits H, Bienkowski M, Galanski M, Mitulovic G, Ströbel T, Gelpi E, Ribalta T, Broholm H, Hartmann C, Kros JM, Preusser M, Hainfellner JA. KINFix--A formalin-free non-commercial fixative optimized for histological, immunohistochemical and molecular analyses of neuro-surgical tissue specimens *Clin Neuropathol* 2016;35(1):3-12

Suhling H, Gottlieb J, Bara C, Taubert R, Jäckel E, Schiffer M, Bräsen JH. Chronische Abstossung: Unterschiede und Ähnlichkeiten bei verschiedenen soliden Organtransplantationen. *Internist (Berl)* 2016;57(1):25-37

Weissinger EM, Human C, Metzger J, Hambach L, Wolf D, Greinix HT, Dickinson AM, Mullen W, Jonigk D, Kuzmina Z, Kreipe H, Schweier P, Böhm O, Türüchanow I, Ihlenburg-Schwarz D, Raad J, Durban A, Schiemann M, Könecke C, Diedrich H, Holler E, Beutel G, Krauter J, Ganser A, Stadler M. The proteome pattern cGvHD\_MS14 allows early and accurate prediction of chronic GvHD after allogeneic stem cell transplantation Leukemia 2017;31(3):654-662

Wick W, Roth P, Hartmann C, Hau P, Nakamura M, Stockhammer F, Sabel MC, Wick A, Koeppen S, Ketter R, Vajkoczy P, Eyupoglu I, Kalff R, Pietsch T, Happold C, Galldiks N, Schmidt-Graf F, Bamberg M, Reifenberger G, Platten M, von Deimling A, Meisner C, Wiestler B, Weller M, Neurooncology Working Group (NOA) of the German Cancer Society. Long-term analysis of the NOA-04 randomized phase III trial of sequential radiochemotherapy of anaplastic glioma with PCV or temozolomide *Neuro Oncol* 2016;18(11):1529-1537

Wimmer K, Beilken A, Nustedt R, Ripperger T, Lamottke B, Ure B, Steinmann D, Reineke-Plaass T, Lehmann U, Zschocke J, Valle L, Fauth C, Kratz CP. A novel germline POLE mutation causes an early onset cancer prone syndrome mimicking constitutional mismatch repair deficiency. *Fam Cancer* 2017;16(1):67-71

Winny M, Grethe L, Maegel L, Jonigk D, Lippmann T, Klempnauer J, Poehnert D. Impairment of the Peritoneal Surface as a Decisive Factor for Intestinal Adhesions in Intraperitoneal Onlay Mesh Surgery - Introducing a New Rat Model. *Int J Med Sci* 2016;13(2):108-112

Winny M, Maegel L, Grethe L, Lippmann T, Jonigk D, Schrem H, Kaltenborn A, Klempnauer J, Poehnert D. Adhesion Prevention Efficacy of Composite Meshes Parietex(R), Proceed(R) and 4DryField(R) PH Covered Polypropylene Meshes in an IPOM Rat Model *Int J Med Sci* 2016;13(12):936-941

Winny M, Maegel L, Grethe LV, Jonigk D, Borchert P, Kaltenborn A, Schrem H, Klempnauer J, Poehnert D. Treatment of de-peritonealized intestine with 4DryField(R) PH prevents adhesions between non-resorbable intra-peritoneal hernia mesh and bowel. *Am J Transl Res* 2016;8(12):5706-5714

Zhang R, Bures M, Höffler K, Jonigk D, Haverich A, Krueger M. In Vitro Comparison of Two Widely Used Surgical Sealants for Treating Alveolar Air Leak. *Thorac Cardiovasc Surg* 2016;DOI: 10.1055/s-0036-1597906

Zhang R, Mägel L, Jonigk D, Länger F, Lippmann T, Zardo P, Pölzing F. Biosynthetic Nanostructured Cellulose Patch for Chest Wall Reconstruction: Five-Month Follow-up in a Porcine Model. *J Invest Surg* 2016;DOI: 10.1080/08941939.2016.1244310

## Übersichtsarbeiten

Christgen M, Länger F, Kreipe H. Histologisches Grading beim Mammakarzinom. *Pathologe* 2016;37(4):328-336

Christgen M, Steinemann D, Kühnle E, Länger F, Gluz O, Harbeck N, Kreipe H. Lobular breast cancer: Clinical, molecular and morphological characteristics. *Pathol Res Pract* 2016;212(7):583-597

Feist H, von Kaisenberg C, Hussein K. Pathologisch-anatomische und klinische Aspekte der Plazenta bei Frühgeburt. *Pathologe* 2016;DOI: 10.1007/s00292-016-0156-x

Kuehnel M, Maegel L, Vogel-Claussen J, Robertus JL, Jonigk D. Airway remodelling in the transplanted lung. *Cell Tissue Res* 2017;367(3):663-675

Müller A, Hussein K. Meta-analysis of teeth from European populations before and after the 18th century reveals a shift towards increased prevalence of caries and tooth loss. *Arch Oral Biol* 2017;73:7-15

## Case reports

Groepper S, Schlue J, Haferlach C, Giagounidis A. Transfusion Independence and Histological Remission in a Patient with Advanced Primary Myelofibrosis Receiving Iron-Chelation Therapy with Deferasirox. *Oncol Res Treat* 2016;39(6):384-387

Grünwald V, Länger F, Raatschen HJ, Beilken A. Proof of principle for bevacizumab activity in desmoid-type fibromatosis. Clin Sarcoma Res 2016;6:5

Koestner W, Dämmrich M, Derlin T. Inzidenteller tenosynovialer Riesenzelltumor des Musculus flexor hallucis longus: seltene Differenzialdiagnose stoffwechselaktiver Läisionen in der F-18-FDG PET/CT Rofo 2016;188(3):300-301

Koinzer S, Bauer M, Garbrecht N, Brasen JH, Roider J. Differenzialdiagnose eines deletären Papillentumors : Eine Herausforderung für den Ophthalmopathologen. Ophthalmologe 2016;113(1):75-77

Loosen SH, Schmeding M, Roderburg C, Binnebosel M, Temizel I, Mottaghay FM, Tischendorf JJ, Tacke F, Gaisa NT, Hussein K, Lehmann U, Trautwein C, Neumann UP, Luedde T. Eine unklare Leberraumforderung in der Transplantatleber einer Patientin mit primär sklerosierender Cholangitis: ein interdisziplinärer diagnostischer Ansatz. Z Gastroenterol 2017;55(1):56-62

Lüdemann W, Banan R, Hartmann C, Bertalanffy H, Di Rocco C. Pediatric intracranial primary anaplastic ganglioglioma. Childs Nerv Syst 2017;33(2):227-231

Tempfer CB, El Fizazi N, Ergonenc H, Solass W. Metastasis of ovarian cancer to the breast: A report of two cases and a review of the literature. Oncol Lett 2016;11(6):4008-4012

Vondran FW, Schumacher C, Johanning K, Hartleben B, Knitsch W, Wiesner O, Jaeckel E, Manns MP, Klempnauer J, Bektas H, Lehner F. Application of the Liver Maximum Function Capacity Test in Acute Liver Failure: A Helpful Tool for Decision-Making in Liver Transplantation? Case Rep Transplant 2016;2016:7074636

#### Buchbeiträge, Monografien

Reifenberger G, Collins VP, Hartmann C, Hawkins C, Kros JM, Cairncross JG, Yokoo H, Yip S, Louis DN. Anaplastic Oligodendrogloma, IDH-mutant and 1p/19q-codeleted. In: Weltgesundheitsorganisation, Louis DN, Ohgaki H, Wiestler OD, Cavenee WK, International Agency for Research on Cancer, Deutsches Krebsforschungszentrum [Hrsg.]: WHO classification of tumours of the central nervous system. Revis 4th. Lyon: International Agency for Research on Cancer, 2016. (World Health Organization classification of tumours). S. 70-73

Reifenberger G, Collins VP, Hartmann C, Hawkins C, Kros JM, Cairncross JG, Yokoo H, Yip S, Louis DN. Oligodendrogloma, IDH-mutant and 1p/19q-codeleted. In: Weltgesundheitsorganisation, Louis DN, Ohgaki H, Wiestler OD, Cavenee WK, International Agency for Research on Cancer, Deutsches Krebsforschungszentrum [Hrsg.]: WHO classification of tumours of the central nervous system. Revis 4th. Lyon: International Agency for Research on Cancer, 2016. (World Health Organization classification of tumours). S. 60-68

Reifenberger G, Collins VP, Hartmann C, Hawkins C, Kros JM, Cairncross JG, Yokoo H, Yip S, Louis DN. Oligodendrogloma, NOS. In: Weltgesundheitsorganisation, Louis DN, Ohgaki H, Wiestler OD, Cavenee WK, International Agency for Research on Cancer, Deutsches Krebsforschungszentrum [Hrsg.]: WHO classification of tumours of the central nervous system. Revis 4th. Lyon: International Agency for Research on Cancer, 2016. (World Health Organization classification of tumours). S. 69

#### Promotionen

Akbas, Ayla (Dr. med. dent.): Posttransplantäre lymphoproliferative Erkrankungen mit naso- und oropharyngealer Manifestation  
MHH-Signatur: D 80676

Bartels, Stephan (Dr. rer. nat.): Analyzing the mutational landscape and clonal evolution in myeloid neoplasms using next generation sequencing  
MHH-Signatur: D 80407

## Institut für Rechtsmedizin – 5500

#### Originalpublikationen

Dziadosz M, Klintschar M, Teske J. Simple protein precipitation-based analysis of Δ9-tetrahydrocannabinol and its metabolites in human serum by liquid chromatography–tandem mass spectrometry. Forensic Toxicology 2017;35(1):190-194

Dziadosz M. Influence of sodium addition on taurine adduct formation generated in acetic acid/acetate salt buffer applied in LC–MS/MS analysis. J Iran Chem Soc 2016;13(7):1283-1287

Dziadosz M. Isomer detection on the basis of analyte adduct formation with the components of the mobile phase and tandem mass spectrometry. Arabian Journal of Chemistry :DOI: 10.1016/j.arabjc.2016.06.005

Ettinger M, Werner-Lebeda T, Calliess T, Omar M, Becher C, Ezechieli M, Klintschar M, Petri M. Femoral interference screw fixation of hamstring and quadriceps tendons for ACL reconstruction Knee Surg Sports Traumatol Arthrosc 2017;25(4):1241-1248

Fard D, Läer K, Rothämel T, Schürmann P, Arnold M, Cohen M, Vennemann M, Pfeiffer H, Bajanowski T, Pfeifer A, Dörk T, Klintschar M. Candidate gene variants of the immune system and sudden infant death syndrome. Int J Legal Med 2016;130(4):1025-1033

Kosfeld A, Kreuzer M, Daniel C, Brand F, Schäfer AK, Chadt A, Weiss AC, Riehmer V, Jeanpierre C, Klintschar M, Bräsen JH, Amann K, Pape L, Kispert A, Al-Hasani H, Haffner D, Weber RG. Whole-exome sequencing identifies mutations of TBC1D1 encoding a Rab-GTPase-activating protein in patients with congenital anomalies of the kidneys and urinary tract (CAKUT). Hum Genet 2016;135(1):69-87

Leifheit-Nestler M, Grosse Siemer R, Flasbart K, Richter B, Kirchhoff F, Ziegler WH, Klintschar M, Becker JU, Erbersdobler A, Aufrecht C, Seeman T, Fischer DC, Faul C, Haffner D. Induction of cardiac FGF23/FGFR4 expression is associated with left ventricular hypertrophy in patients with chronic kidney disease. Nephrol Dial Transplant 2016;31(7):1088-1099

Omar M, Dratzidis A, Klintschar M, Kwisda S, Krettek C, Ettinger M. Are porcine flexor digitorum profundus tendons suitable graft substitutes for human hamstring tendons in biomechanical in vitro-studies? Arch Orthop Trauma Surg 2016;136(5):681-686

Schieck M, Schouten JP, Michel S, Suttner K, Toncheva AA, Gaertner VD, Illig T, Lipinski S, Franke A, Klintschar M, Kalayci O, Sahiner UM, Birben E, Melen E, Pershagen G, Freidin MB, Ogorodova LM, Granell R, Henderson J, Brunekreef B, Smit HA, Vogelberg C, von Berg A, Bufla A, Heinzmann A, Laub O, Rietschel E, Simma B, Genuneit J, Jonigk D, Postma DS, Koppelman GH, Vonk JM, Timens W, Boezen HM, Kabesch M. Doublesex and mab-3 related transcription factor 1 (DMRT1) is a sex-specific genetic determinant of childhood-onset asthma and is expressed in testis and macrophages. J Allergy Clin Immunol 2016;138(2):421-431

Todt M, Awe M, Roesler B, Germerott T, Debertin AS, Fieguth A. Häusliche Gewalt. Rechtsmedizin 2016;26(6):499-506

#### **Letter**

Dziadosz M, Klintschar M, Teske J. Sample pooling as an effective way of simultaneous analysis of new designer drugs together with synthetic cannabinoids in human serum provided by therapy and forensic psychiatric centres Med Sci Law 2016;56(2):155-156

Dziadosz M. Influence of buffer concentration on electrospray ionisation of gamma-hydroxybutyrate adducts with the components of the mobile phase used in liquid chromatography-tandem mass spectrometry J Chromatogr B Analyt Technol Biomed Life Sci 2016;1008:240-241

Lipka DB, Wagner MC, Dziadosz M, Fischer T. Prolonged cellular midostaurin retention suggests potential alternative dosing strategies for FLT3-ITD-positive leukemias Leukemia 2016;30(10):2090-2093

#### **Abstracts**

Dziadosz M, Klintschar M, Teske J. Überwachung der Levamisol-Konzentrationen im Blut von Verkehrsteilnehmern nach Cocain-Konsum. Rechtsmedizin 2016;26(4):385

Roesler B, Hagemeier L, Roesler J, Germerott T. Tödliche Komplikation durch Fehllage einer Magensonde - ein Fallbeispiel. Rechtsmedizin 2016;26(4):383-384

Todt M, Schroeder G, Debertin AS. P-057 Kindliche Knochenbrüche - Eine rechtsmedizinische Herausforderung. Rechtsmedizin 2016;26(4):390

## **Zentrum Pharmakologie und Toxikologie**

### **Institut für Pharmako- und Toxikogenomikforschung – 9646**

#### **Originalpublikationen**

Borlak J, Länger F, Spanel R, Schöndorfer G, Dittrich C. Immune-mediated liver injury of the cancer therapeutic antibody catumaxomab targeting EpCAM, CD3 and Fc $\gamma$  receptors Oncotarget 2016;7(19):28059-28074

Chen M, Borlak J, Tong W. A Model to predict severity of drug-induced liver injury in humans. *Hepatology* 2016;64(3):931-940

Ciribilli Y, Singh P, Inga A, Borlak J. c-Myc targeted regulators of cell metabolism in a transgenic mouse model of papillary lung adenocarcinoma. *Oncotarget* 2016;7(40):65514-65539

Lee EH, Oh JH, Selvaraj S, Park SM, Choi MS, Spanel R, Yoon S, Borlak J. Immunogenomics reveal molecular circuits of diclofenac induced liver injury in mice. *Oncotarget* 2016;7(12):14983-15017

Liu Z, Wang Y, Borlak J, Tong W. Mechanistically linked serum miRNAs distinguish between drug induced and fatty liver disease of different grades. *Sci Rep* 2016;6:23709

Ritorto MS, Rhode H, Vogel A, Borlak J. Regulation of glycosylphosphatidylinositol-anchored proteins and GPI-phospholipase D in a c-Myc transgenic mouse model of hepatocellular carcinoma and human HCC. *Biol Chem* 2016;397(11):1147-1162

Sahini N, Borlak J. Genomics of human fatty liver disease reveal mechanistically linked lipid droplet-associated gene regulations in bland steatosis and nonalcoholic steatohepatitis. *Transl Res* 2016;177:41-69

Zhang J, He K, Cai L, Chen YC, Yang Y, Shi Q, Woolf TF, Ge W, Guo L, Borlak J, Tong W. Inhibition of bile salt transport by drugs associated with liver injury in primary hepatocytes from human, monkey, dog, rat, and mouse. *Chem Biol Interact* 2016;255:45-54

Zwadlo C, Borlak J. Gene expression profiling of calcium-channel antagonists in the heart of hypertensive and normotensive rats reveals class specific effects. *Vascul Pharmacol* 2016;87:121-128

## Promotionen

Sahini, Nishika (Dr. rer. nat.): Genomics of human fatty liver disease and drug induced hepatic steatosis in rats  
MHH-Signatur: D 80721

## Institut für Klinische Pharmakologie – 5350

### Originalpublikationen

Böhmer A, Pich A, Schmidt M, Haghikia A, Tsikas D. Evidence by chromatography and mass spectrometry that inorganic nitrite induces S-glutathionylation of hemoglobin in human red blood cells. *J Chromatogr B Analyt Technol Biomed Life Sci* 2016;1019:72-82

Calvier L, Legchenko E, Grimm L, Sallmon H, Hatch A, Plouffe BD, Schroeder C, Bauersachs J, Murthy SK, Hansmann G. Galectin-3 and aldosterone as potential tandem biomarkers in pulmonary arterial hypertension. *Heart* 2016;102(5):390-396

Gabrielsen AM, Omland T, Brokner M, Fredheim JM, Jordan J, Lehmann S, Lund MB, Hjelmesæth J, Hofso D. The effect of surgical and non-surgical weight loss on N-terminal pro-B-type natriuretic peptide and its relation to obstructive sleep apnea and pulmonary function. *BMC Res Notes* 2016;9(1):440

Giustarini D, Tsikas D, Colombo G, Milzani A, Dalle-Donne I, Fanti P, Rossi R. Pitfalls in the analysis of the physiological antioxidant glutathione (GSH) and its disulfide (GSSG) in biological samples: An elephant in the room. *J Chromatogr B Analyt Technol Biomed Life Sci* 2016;1019:21-28

Haarmann H, Folle J, Nguyen XP, Herrmann P, Heusser K, Hasenfuss G, Andreas S, Raupach T. Impact of Non-Invasive Ventilation on Sympathetic Nerve Activity in Chronic Obstructive Pulmonary Disease. *Lung* 2017;195(1):69-75

Haarmann H, Folle J, Nguyen XP, Herrmann P, Heusser K, Hasenfuß G, Andreas S, Raupach T. Sympathetic Activation is Associated with Exercise Limitation in COPD. *COPD* 2016;13(5):589-594

Haddad S, Wang Y, Galy B, Korf-Klingebiel M, Hirsch V, Baru AM, Rostami F, Reboll MR, Heineke J, Flögel U, Groos S, Renner A, Toischer K, Zimmermann F, Engeli S, Jordan J, Bauersachs J, Hentze MW, Wollert KC, Kempf T. Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. *Eur Heart J* 2017;38(5):362-372

Hanff E, Böhmer A, Zinke M, Gambaryan S, Schwarz A, Supuran CT, Tsikas D. Carbonic anhydrases are producers of S-nitrosothiols from inorganic nitrite and modulators of soluble guanylyl cyclase in human platelets. *Amino Acids* 2016;48(7):1695-1706

Hanff E, Eisenga MF, Beckmann B, Bakker SJ, Tsikas D. Simultaneous pentafluorobenzyl derivatization and GC-ECNICI-MS measurement of nitrite and malondialdehyde in human urine: Close positive correlation between these disparate oxidative stress biomarkers. *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1043:167-175

Hanff E, Kayacelebi AA, Herrmann C, Obermann M, Das AM, Tsikas D. Unaltered L-arginine/NO pathway in a MELAS patient: Is mitochondrial NO synthase involved in the MELAS syndrome? *Int J Cardiol* 2016;223:479-481

Hanff E, Kayacelebi AA, Mariotti F, Herrmann C, Obermann M, Das AM, Tsikas D. Analytical challenges in the assessment of NO synthesis from L-arginine in the MELAS syndrome *Int J Cardiol* 2017;234:141-142

Haufe S, Witt H, Engeli S, Kaminski J, Utz W, Fuhrmann JC, Rein D, Schulz-Menger J, Luft FC, Boschmann M, Jordan J. Branched-chain and aromatic amino acids, insulin resistance and liver specific ectopic fat storage in overweight to obese subjects. *Nutr Metab Cardiovasc Dis* 2016;26(7):637-642

Heise T, Jordan J, Wanner C, Heer M, Macha S, Mattheus M, Lund SS, Woerle HJ, Broedl UC. Acute Pharmacodynamic Effects of Empagliflozin With and Without Diuretic Agents in Patients With Type 2 Diabetes Mellitus *Clin Ther* 2016;38(10):2248-2264.e5

Heise T, Jordan J, Wanner C, Heer M, Macha S, Mattheus M, Lund SS, Woerle HJ, Broedl UC. Pharmacodynamic Effects of Single and Multiple Doses of Empagliflozin in Patients With Type 2 Diabetes *Clin Ther* 2016;38(10):2265-2276

Heusser K, Tank J, Brinkmann J, Menne J, Kaufeld J, Linnenweber-Held S, Beige J, Wilhelmi M, Diedrich A, Haller H, Jordan J. Acute Response to Unilateral Unipolar Electrical Carotid Sinus Stimulation in Patients With Resistant Arterial Hypertension. *Hypertension* 2016;67(3):585-591

Heusser K, Tank J, Brinkmann J, Schroeder C, May M, Grosshennig A, Wenzel D, Diedrich A, Sweep FC, Mehling H, Luft FC, Jordan J. Preserved Autonomic Cardiovascular Regulation With Cardiac Pacemaker Inhibition: A Crossover Trial Using High-Fidelity Cardiovascular Phenotyping. *J Am Heart Assoc* 2016;5(1):10.1161/JAHA.115.002674

Hummler HD, Banke K, Wolfson MR, Buonocore G, Ebsen M, Bernhard W, Tsikas D, Fuchs H. The Effects of Lung Protective Ventilation or Hypercapnic Acidosis on Gas Exchange and Lung Injury in Surfactant Deficient Rabbits. *PLoS One* 2016;11(2):e0147807

Jordan J, Stinkens R, Jax T, Engeli S, Blaak EE, May M, Havekes B, Schindler C, Albrecht D, Pal P, Heise T, Goossens GH, Langenickel TH. Improved Insulin Sensitivity With Angiotensin Receptor Neprilysin Inhibition in Individuals With Obesity and Hypertension. *Clin Pharmacol Ther* 2017;101(2):254-263

Kayacelebi AA, Schauerte C, Kling K, Herbers J, Beckmann B, Engeli S, Jordan J, Zoerner AA, Tsikas D. Cross-validated stable-isotope dilution GC-MS and LC-MS/MS assays for monoacylglycerol lipase (MAGL) activity by measuring arachidonic acid released from the endo-cannabinoid 2-arachidonoyl glycerol. *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1047:151-159

Tsikas D, Böhmer A, Gros G, Endeward V. Evidence of the chemical reaction of (18)O-labelled nitrite with CO<sub>2</sub> in aqueous buffer of neutral pH and the formation of (18)OCO by isotope ratio mass spectrometry. *Nitric Oxide* 2016;55-56:25-35

Tsikas D, Kayacelebi AA, Hanff E, Mitschke A, Beckmann B, Tillmann HC, Gutzki FM, Müller M, Bernasconi C. GC-MS and GC-MS/MS measurement of ibuprofen in 10-mL aliquots of human plasma and mice serum using [ $\alpha$ -methylene-2H3]ibuprofen after ethyl acetate extraction and pentafluorobenzyl bromide derivatization: Discovery of a collision energy-dependent H/D isotope effect and pharmacokinetic application to inhaled ibuprofen-arginine in mice. *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1043:158-166

Tsikas D, Rothmann S, Schneider JY, Gutzki FM, Beckmann B, Frölich JC. Simultaneous GC-MS/MS measurement of malondialdehyde and 4-hydroxy-2-nonenal in human plasma: Effects of long-term L-arginine administration *Anal Biochem* 2017;524:31-44

Tsikas D, Schmidt M, Hanff E, Böhmer A. GC-ECNICI-MS analysis of S-nitrosothiols and nitroprusside after treatment with aqueous sulphide (S<sub>2</sub>-) and derivatization with pentafluorobenzyl bromide: Evidence of S-transnitrosylation and formation of nitrite and nitrate. *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1043:209-218

Tsikas D. Assessment of lipid peroxidation by measuring malondialdehyde (MDA) and relatives in biological samples: Analytical and biological challenges. *Anal Biochem* 2017;524:13-30

Tsikas D. GC-ECNICI-MS/MS of eicosanoids as pentafluorobenzyl-trimethylsilyl (TMS) derivatives: Evidence of CAD-induced intramolecular TMS ether-to-ester rearrangement using carboxy-18O-labelled eicosanoids and possible implications in quantitative analysis. *J Chromatogr B Analyt Technol Biomed Life Sci* 2017;1047:185-196

Wijermars LG, Bakker JA, de Vries DK, van Noorden CJ, Bierau J, Kostidis S, Mayboroda OA, Tsikas D, Schaapherder AF, Lindeman JH. The hypoxanthine-xanthine oxidase axis is not involved in the initial phase of clinical transplantation-related ischemia/reperfusion injury. *Am J Physiol Renal Physiol* 2017;312(3):F457-F464

## **Übersichtsarbeiten**

Bolten WW, Krüger K, Reiter-Niesert S, Stichtenoth DO, Kommission Pharmakotherapie der DGRh. DGRh-Empfehlungen zur Implementierung aktueller Sicherheitsaspekte in die NSAR-Therapie muskuloskelettaler Schmerzen Z Rheumatol 2016;75(1):103-116

Jordan J, Birkenfeld AL. Cardiometabolic crosstalk in obesity-associated arterial hypertension Rev Endocr Metab Disord 2016;17(1):19-28

Jordan J, Toplak H, Grassi G, Yumuk V, Kotsis V, Engeli S, Cuspidi C, Nilsson PM, Finer N, Doehner W. Joint statement of the European Association for the Study of Obesity and the European Society of Hypertension: obesity and heart failure. J Hypertens 2016;34(9):1678-1688

Tsikas D. Pentafluorobenzyl bromide-A versatile derivatization agent in chromatography and mass spectrometry: I. Analysis of inorganic anions and organophosphates. J Chromatogr B Analyt Technol Biomed Life Sci 2017;1043:187-201

## **Letter**

Jordan J, Albrecht UV. Applications might be subject to medical device regulation J Hypertens 2016;34(9):1882

## **Case reports**

Heusser K, Brinkmann J, Topalidis W, Menne J, Haller H, Berliner D, Luft FC, Tank J, Jordan J. Physiology Unmasks Hypertension. Hypertension 2016;68(2):252-256

## **Comments**

Jordan J, El-Armouche A, Hanefeld M, Bornstein SR, Birkenfeld AL. Comment on Ferrannini et al. CV Protection in the EMPA-REG OUTCOME Trial: A "Thrifty Substrate" Hypothesis. Diabetes Care 2016;39:1108-1114 Diabetes Care 2016;39(12):e224-e225

Tsikas D, Beckmann B, Araujo P. Comments on Boelaert et al. Determination of Asymmetric and Symmetric Dimethylarginine in Serum from Patients with Chronic Kidney Disease: UPLC-MS/MS versus ELISA. Toxins 2016, 8, 149. Toxins (Basel) 2016;8(11):E311

## **Editorials**

Chobanyan-Jürgens K, Jordan J. Mind the Vein Hypertension 2016;68(2):310-311

Jordan J, Diedrich A, Grassi G, Tank J. Living with severe orthostatic hypotension. J Hypertens 2016;34(10):1942-1944

Jordan J, Grassi G. Precision medicine should become more 'sympathetic' in managing hypertension J Hypertens 2016;34(4):629-631

Jordan J, Grassi G, Tank J. Device-based treatments in hypertension: think physiology. J Hypertens 2016;34(8):1502-1504

Tsikas D, Theodoridis G. Analytical tools and protocols in oxidative stress. J Chromatogr B Analyt Technol Biomed Life Sci 2016;1019:1-3

## **Promotionen**

Ahrens, Jelka (Dr. med.): Einfluss der elektrischen Baroreflexstimulation auf die Insulinresistenz von Patienten mit therapieresistenter Hypertonie  
MHH-Signatur: D 80631

Laidig, Friederike (Dr. rer. biol. hum.): Evaluation einer Maßnahme zur Erhöhung der Arzneimitteltherapiesicherheit bei ambulanten Patienten  
MHH-Signatur: D 80478

## **Institut für Pharmakologie – 5320**

### **Originalpublikationen**

Avsar M, Jansson K, Sommer W, Kruse B, Thissen S, Dreckmann K, Knoefel AK, Salman J, Hafer C, Hecker J, Buechler G, Karstens JH, Jonigk D, Länger F, Kaever V, Falk CS, Hewicker-Trautwein M, Ungefroren H, Haverich A, Strüber M, Warnecke G. Augmentation of Transient Donor Cell Chimerism and Alloantigen-Specific Regulation of Lung Transplants in Miniature Swine. Am J Transplant 2016;16(5):1371-1382

Baek KT, Bowman L, Millership C, Dupont Sogaard M, Kaever V, Siljamaki P, Savijoki K, Varmanen P, Nyman TA, Gründling A, Frees D. The Cell Wall Polymer Lipoteichoic Acid Becomes Nonessential in *Staphylococcus aureus* Cells Lacking the ClpX Chaperone. MBio 2016;7(4):10.1128/mBio.01228

Bowman L, Zeden MS, Schuster CF, Kaever V, Gründling A. New Insights into the Cyclic Di-adenosine Monophosphate (c-di-AMP) Degradation Pathway and the Requirement of the Cyclic Dinucleotide for Acid Stress Resistance in *Staphylococcus aureus*. *J Biol Chem* 2016;291(53):26970-26986

Dittmar F, Wolter S, Seifert R. Regulation of apoptosis by cyclic nucleotides in human erythroleukemia (HEL) cells and human myelogenous leukemia (K-562) cells. *Biochem Pharmacol* 2016;112:13-23

Gaupels F, Furch AC, Zimmermann MR, Chen F, Kaever V, Buhtz A, Kehr J, Sarioglu H, Kogel KH, Durner J. Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. *Front Plant Sci* 2016;7:154

Groizeleau J, Rybtke M, Andersen JB, Berthelsen J, Liu Y, Yang L, Nielsen TE, Kaever V, Givskov M, Tolker-Nielsen T. The anti-cancerous drug doxorubicin decreases the c-di-GMP content in *Pseudomonas aeruginosa* but promotes biofilm formation *Microbiology* 2016;162(10):1797-1807

Krol E, Klaner C, Gnau P, Kaever V, Essen LO, Becker A. Cyclic mononucleotide- and Clr-dependent gene regulation in *Sinorhizobium meliloti* *Microbiology* 2016;162(10):1840-1856

Lacanna E, Bigosch C, Kaever V, Boehm A, Becker A. Evidence for *Escherichia coli* Diguanilate Cyclase DgcZ Interlinking Surface Sensing and Adhesion via Multiple Regulatory Routes. *J Bacteriol* 2016;198(18):2524-2535

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Pawar SV, Messina M, Rinaldo S, Cutruzzola F, Kaever V, Rampioni G, Leoni L. Novel genetic tools to tackle c-di-GMP-dependent signalling in *Pseudomonas aeruginosa*. *J Appl Microbiol* 2016;120(1):205-217

Reinartz MT, Wetzke M, Happel C, Käble S, Scherer R, Kabesch M, Seifert R. Neutrophilic superoxide production can assess pharmacological and pharmacogenetic beta-adrenoreceptor effects. *Allergy* 2016;71(8):1223-1227

Rother S, Bartels M, Schweda AT, Resch K, Pallua N, Nourbakhsh M. NF-kappaB-repressing factor phosphorylation regulates transcription elongation via its interactions with 5'-->3' exoribonuclease 2 and negative elongation factor. *FASEB J* 2016;30(1):174-185

Schenk H, Neumann D, Kloth C. Histamine regulates murine primary dendritic cell functions. *Immunopharmacol Immunotoxicol* 2016;38(5):379-384

Schmidt A, Hammerbacher AS, Bastian M, Nieken KJ, Klockgether J, Merighi M, Lapouge K, Poschgan C, Kölle J, Acharya KR, Ulrich M, Tümler B, Unden G, Kaever V, Lory S, Haas D, Schwarz S, Döring G. Oxygen-dependent regulation of c-di-GMP synthesis by SadC controls alginate production in *Pseudomonas aeruginosa*. *Environ Microbiol* 2016;18(10):3390-3402

Skotnicka D, Smaldone GT, Petters T, Tramperi E, Liang J, Kaever V, Malone JG, Singer M, Sogaard-Andersen L. A Minimal Threshold of c-di-GMP Is Essential for Fruiting Body Formation and Sporulation in *Myxococcus xanthus*. *PLoS Genet* 2016;12(5):e1006080

Suppiger A, Eshwar AK, Stephan R, Kaever V, Eberl L, Lehner A. The DSF type quorum sensing signalling system Rpff/R regulates diverse phenotypes in the opportunistic pathogen *Cronobacter*. *Sci Rep* 2016;6:18753

Tschirner SK, Bähre H, Kaever A, Schneider EH, Seifert R, Kaever V. Non-targeted metabolomics by high resolution mass spectrometry in HPRT knockout mice. *Life Sci* 2016;156:68-73

Tschirner SK, Gutzki F, Schneider EH, Seifert R, Kaever V. Neurotransmitter and their metabolite concentrations in different areas of the HPRT knockout mouse brain. *J Neurol Sci* 2016;365:169-174

Werner K, Neumann D, Seifert R. High constitutive Akt2 activity in U937 promonocytes: effective reduction of Akt2 phosphorylation by the histamine H2-receptor and the beta2-adrenergic receptor. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(1):87-101

## Übersichtsarbeiten

Schneider EH, Seifert R. The histamine H4-receptor and the central and peripheral nervous system: A critical analysis of the literature. *Neuropharmacology* 2016;106:116-128

## Letter

Seifert R. Does Vidarabine Mediate Cardioprotection via Inhibition of AC5? *J Pharmacol Exp Ther* 2016;358(2):242-243

### **Comments**

Gaupels F, Furch AC, Zimmermann MR, Chen F, Kaever V, Buhtz A, Kehr J, Sarioglu H, Kogel KH, Durner J. Corrigendum: Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. *Front Plant Sci* 2016;7:281

Seifert R. Towards rational drug treatment of Lesch-Nyhan disease. *Mol Genet Metab* 2016;118(3):145-146

### **Editorials**

Seifert R. Distinct Signaling Roles of cIMP, cCMP, and cUMP Structure 2016;24(10):1627-1628

Seifert R. Recent progress in the field of cIMP research Naunyn Schmiedebergs Arch Pharmacol 2016;389(10):1045-1047

Seifert R. Naunyn-Schmiedeberg's Archives of Pharmacology under new editorship: change and continuity. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(7):667-670

### **Abstracts**

Jähne-Raden N, Märtin T, Marschollek M, Heusser K, Tank J. BCG-mapping of the thorax using different sensors: First experiences and signal quality. 2016 IEEE SENSORS 2016:1-3

### **Promotionen**

Hartmann, Marcel D. (Dr. med. dent.): Die Metabolisierung und Pharmakokinetik von Temsirolimus in Kindern mit soliden Tumoren  
MHH-Signatur: D 80403

Kinast, Liz (Dr. med.): Adenylylzyklase-Regulation an B103-Neuroblastomzellen, einem Modell für das Lesch-Nyhan-Syndrom  
MHH-Signatur: D 80397

Werner, Kristin (Dr. rer. nat.): Molecular and cellular analysis of selected G-protein-coupled receptors in human monocytic cells  
MHH-Signatur: D 80380

### **Masterarbeiten**

Bittkau, Kaya Saskia (M.Sc. Biochemie): Analysis of the specific histamine-H4-receptor function in epithelial cells

Rehfeld, Christopher Lutz (M.Sc. Biochemie): Analyse der Expression und Funktion des Histamin H4-Rezeptors in intramuralen hämatopoietischen Zellen des Mausdarms

### **Bachelorarbeiten**

Gierschner, Mattis (B.Sc. Biochemie): Untersuchung von MAP-Kinasen in der Signaltransduktion des Histamin H4-Rezeptors in murinen Darmepithelzellen

Harmening, Sarah (B.Sc. Biochemie): Analyse der Maus-Histamin-H2-Rezeptor Funktion auf transienten HEK-Zellen

## **Institut für Toxikologie – 5340**

### **Originalpublikationen**

Adolf A, Leondaritis G, Rohrbeck A, Eickholt BJ, Just I, Ahnert-Hilger G, Höltje M. The intermediate filament protein vimentin is essential for axonotrophic effects of Clostridium botulinum C3 exoenzyme. *J Neurochem* 2016;139(2):234-244

Böhmer A, Pich A, Schmidt M, Haghikia A, Tsikas D. Evidence by chromatography and mass spectrometry that inorganic nitrite induces S-glutathionylation of hemoglobin in human red blood cells. *J Chromatogr B Analyt Technol Biomed Life Sci* 2016;1019:72-82

Dong L, Helmke A, Waisman A, Haller H, Pich A, von Vietinghoff S. Surface-bound bovine serum albumin carrier protein as present in recombinant cytokine preparations amplifies T helper 17 cell polarization. *Sci Rep* 2016;6:36598

Genth H, Schelle I, Just I. Metal Ion Activation of Clostridium sordellii Lethal Toxin and Clostridium difficile Toxin B. *Toxins (Basel)* 2016;8(4):109

Gerhard R. Receptors and Binding Structures for Clostridium difficile Toxins A and B. *Curr Top Microbiol Immunol* 2016:DOI: 10.1007/82\_2016\_17

Hansbauer EM, Skiba M, Endermann T, Weisemann J, Stern D, Dorner MB, Finkenwirth F, Wolf J, Luginbühl W, Messelhäuser U, Bellanger L, Woudstra C, Rummel A, Fach P, Dorner BG. Detection, differentiation, and identification of botulinum neurotoxin serotypes C, CD, D, and DC by highly specific immunoassays and mass spectrometry. *Analyst* 2016;141(18):5281-5297

Junemann J, Birgin G, Erdmann J, Schröder A, Just I, Gerhard R, Pich A. Toxin A of the nosocomial pathogen *Clostridium difficile* induces primary effects in the proteome of HEp-2 cells. *Proteomics Clin Appl* 2017;11(3-4):1600031

Krueger J, Pohl S, Preusse M, Kordes A, Rugen N, Schniederjans M, Pich A, Häussler S. Unravelling post-transcriptional PrmC-dependent regulatory mechanisms in *Pseudomonas aeruginosa*. *Environ Microbiol* 2016;18(10):3583-3592

Kutschenko A, Reinert MC, Krez N, Liebetanz D, Rummel A. BoNT/AB hybrid maintains similar duration of paresis as BoNT/A wild-type in murine running wheel assay. *Neurotoxicology* 2016;59:1-8

Mahrhold S, Bergström T, Stern D, Dorner BG, Astot C, Rummel A. Only the complex N559-glycan in the synaptic vesicle glycoprotein 2C mediates high affinity binding to botulinum neurotoxin serotype A1. *Biochem J* 2016;473(17):2645-2654

Reichert O, Fleming T, Neufang G, Schmelz M, Gent H, Kaever V, Wenck H, Stäb F, Terstegen L, Kolbe L, Roggenkamp D. Impaired glyoxalase activity is associated with reduced expression of neurotrophic factors and pro-inflammatory processes in diabetic skin cells. *Exp Dermatol* 2017;26(1):44-50

Rohrbeck A, Fühner V, Schröder A, Hagemann S, Vu XK, Berndt S, Hust M, Pich A, Just I. Detection and Quantification of ADP-Ribosylated RhoA/B by Monoclonal Antibody. *Toxins (Basel)* 2016;8(4):100

Rohrbeck A, Just I. Cell Entry of C3 Exoenzyme from *Clostridium botulinum*. *Curr Top Microbiol Immunol* 2016:1-2

Schelle I, Bruening J, Buetepage M, Gent H. Role of p38alpha/beta MAP Kinase in Cell Susceptibility to *Clostridium sordellii* Lethal Toxin and *Clostridium difficile* Toxin B. *Toxins (Basel)* 2016;9(1):10.3390/toxins9010002

Tao L, Zhang J, Meraner P, Tovaglieri A, Wu X, Gerhard R, Zhang X, Stallcup WB, Miao J, He X, Hurdle JG, Breault DT, Brass AL, Dong M. Frizzled proteins are colonic epithelial receptors for *C. difficile* toxin B. *Nature* 2016;538(7625):350-355

von Elsner L, Hagemann S, Just I, Rohrbeck A. C3 exoenzyme impairs cell proliferation and apoptosis by altering the activity of transcription factors. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(9):1021-1031

Weisemann J, Stern D, Mahrhold S, Dorner BG, Rummel A. Botulinum Neurotoxin Serotype A Recognizes Its Protein Receptor SV2 by a Different Mechanism than Botulinum Neurotoxin B Synaptotagmin. *Toxins (Basel)* 2016;8(5):154

Yao G, Zhang S, Mahrhold S, Lam KH, Stern D, Bagramyan K, Perry K, Kalkum M, Rummel A, Dong M, Jin R. N-linked glycosylation of SV2 is required for binding and uptake of botulinum neurotoxin A. *Nat Struct Mol Biol* 2016;23(7):656-662

Zhang G, Chan B, Samarina N, Abere B, Weidner-Glunde M, Buch A, Pich A, Brinkmann MM, Schulz TF. Cytoplasmic isoforms of Kaposi sarcoma herpesvirus LANA recruit and antagonize the innate immune DNA sensor cGAS. *Proc Natl Acad Sci U S A* 2016;113(8):E1034-E1043

## Übersichtsarbeiten

Dorner BG, Zeleny R, Harju K, Hennekinne JA, Vanninen P, Schimmel H, Rummel A. Biological toxins of potential bioterrorism risk: Current status of detection and identification technology. *TrAC, Trends Anal Chem* 2016;85(Part B):89-102

Frädrich C, Beer LA, Gerhard R. Reactive Oxygen Species as Additional Determinants for Cytotoxicity of *Clostridium difficile* Toxins A and B. *Toxins (Basel)* 2016;8(1):10.3390/toxins8010025

## Buchbeiträge, Monografien

Olling A. The Combined Repetitive Oligopeptides of *Clostridium difficile* Toxin A Counteract Premature Cleavage of the Glucosyl-Transferase Domain by Stabilizing Protein Conformation. In: Kraukauer T [Hrsg.]: Enterotoxins: Microbial Proteins and Host Cell Dysregulation. Basel: MDPI AG, 2016. S. 223-237

## Habilitationen

Rohrbeck, Astrid (PD Dr. rer. nat.): C3bot von *Clostridium botulinum* Aufnahme und Wirkung  
MHH-Signatur: D 80194

## Promotionen

Nkulou Kenfack, Esther (Dr. rer. nat.): Proteome analysis for the identification of age-related aging biomarkers  
MHH-Signatur: D 80421

## Masterarbeiten

Heyne, Janis (M.Sc. Biomedizin): Entwicklung von MRM Methoden für Plasmaproteine zur Verwendung als potentielle Biomarker

Lämmerhirt, Chantal Moana (M.Sc. Biomedizin): Inaktivierung kleiner GTPasen durch clostridiale glukosylierende Toxine

Pape, Marielle (M.Sc. Biomedizin): Protektive Wirkung sekundärer Gallensäuren auf die clostridialen glykosylierenden Toxine A und B

Schöttelndreier, Dennis (M.Sc. Biomedizin): Funktionelle Charakterisierung der Translokations- und Rezeptorbinedomäne von Clostridium difficile Toxin B vom Referenztyp und vom hypervirulenten Stamm

Wulf, Alexander (M.Sc. Biomedizin): Investigating the effects of Clostridium difficile toxins TcdA and TcdB on target cells

## Bachelorarbeiten

Pokrant, Thomas (B.Sc. Biochemie): Untersuchung der Monomerisierung des HA70-Trimers aus C. botulinum und deren biologische Folgen

# Zentrum Laboratoriumsmedizin

## Institut für Immunologie – 5240

### Originalpublikationen

Andzinski L, Spanier J, Kasnitz N, Kröger A, Jin L, Brinkmann MM, Kalinke U, Weiss S, Jablonska J, Lienenklaus S. Growing tumors induce a local STING dependent Type I IFN response in dendritic cells. *Int J Cancer* 2016;139(6):1350-1357

Auger JL, Cowan HM, Engelson BJ, Kashem SW, Prinz I, Binstadt BA. Brief Report: Arthritis in KRN T Cell Receptor-Transgenic Mice Does Not Require Interleukin-17 or Th17 Cells. *Arthritis Rheumatol* 2016;68(8):1849-1855

Blake SJ, Stannard K, Liu J, Allen S, Yong MC, Mittal D, Aguilera AR, Miles JJ, Lutzky VP, de Andrade LF, Martinet L, Colonna M, Takeda K, Kühnel F, Gurlevik E, Bernhardt G, Teng MW, Smyth MJ. Suppression of Metastases Using a New Lymphocyte Checkpoint Target for Cancer Immunotherapy. *Cancer Discov* 2016;6(4):446-459

Bleyer M, Curths C, Dahlmann F, Wichmann J, Bauer N, Moritz A, Braun A, Knauf S, Kaup FJ, Gruber-Dujardin E. Morphology and staining behavior of neutrophilic and eosinophilic granulocytes of the common marmoset (*Callithrix jacchus*). *Exp Toxicol Pathol* 2016;68(6):335-343

Blume J, Zur Lage S, Witzlau K, Georgiev H, Weiss S, Lyszkiewicz M, Zietara N, Krueger A. Overexpression of Valpha14Jalpha18 TCR promotes development of iNKT cells in the absence of miR-181a/b-1. *Immunol Cell Biol* 2016;94(8):741-746

Booth JL, Duggan ES, Patel VI, Langer M, Wu W, Braun A, Coggeshall KM, Metcalf JP. Bacillus anthracis spore movement does not require a carrier cell and is not affected by lethal toxin in human lung models. *Microbes Infect* 2016;18(10):615-626

Castiglia V, Piersigilli A, Ebner F, Janos M, Goldmann O, Damböck U, Kröger A, Weiss S, Knapp S, Jamieson AM, Kirschning C, Kalinke U, Strobl B, Müller M, Stoiber D, Lienenklaus S, Kovarik P. Type I Interferon Signaling Prevents IL-1beta-Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. *Cell Host Microbe* 2016;19(3):375-387

De Beuckelaer A, Pollard C, Van Lint S, Roose K, Van Hoecke L, Naessens T, Udhayakumar VK, Smet M, Sanders N, Lienenklaus S, Saelens X, Weiss S, Vanham G, Grootenhuis J, De Koker S. Type I Interferons Interfere with the Capacity of mRNA Lipoplex Vaccines to Elicit Cytolytic T Cell Responses. *Mol Ther* 2016;24(11):2012-2020

Deyneko IV, Kasnitz N, Leschner S, Weiss S. Composing a Tumor Specific Bacterial Promoter. *PLoS One* 2016;11(5):e0155338

Felgner S, Frahm M, Kocjancic D, Rohde M, Eckweiler D, Bielecka A, Bueno E, Cava F, Abraham WR, Curtiss R, Häussler S, Erhardt M, Weiss S. aroA-Deficient *Salmonella enterica* Serovar Typhimurium Is More Than a Metabolically Attenuated Mutant. *MBio* 2016;7(5):DOI: 10.1128/mBio.01220-16

Georgiev H, Ravens I, Benarafa C, Förster R, Bernhardt G. Distinct gene expression patterns correlate with developmental and functional traits of iNKT subsets Nat Commun 2016;7:13116

Grine L, Steeland S, Van Ryckeghem S, Ballegeer M, Lienenlaus S, Weiss S, Sanders NN, Vandenbroucke RE, Libert C. Topical imiquimod yields systemic effects due to unintended oral uptake. Sci Rep 2016;6:20134

Gupta SK, Itagaki R, Zheng X, Batkai S, Thum S, Ahmad F, Van Aelst LN, Sharma A, Piccoli MT, Weinberger F, Fiedler J, Heuser M, Heymans S, Falk CS, Förster R, Schrepfer S, Thum T. miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. Cardiovasc Res 2016;110(2):215-226

Halle S, Keyser KA, Stahl FR, Busche A, Marquardt A, Zheng X, Galla M, Heissmeyer V, Heller K, Boelter J, Wagner K, Bischoff Y, Martens R, Braun A, Werth K, Uvarovskii A, Kempf H, Meyer-Hermann M, Arens R, Kremer M, Sutter G, Messerle M, Förster R. In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity Immunity 2016;44(2):233-245

Hess A, Wang-Lauenstein L, Braun A, Kolle SN, Landsiedel R, Liebsch M, Ma-Hock L, Pirow R, Schneider X, Steinfath M, Vogel S, Martin C, Sewald K. Prevalidation of the ex-vivo model PCLS for prediction of respiratory toxicity. Toxicol In Vitro 2016;32:347-361

Ivanov S, Scallan JP, Kim KW, Werth K, Johnson MW, Saunders BT, Wang PL, Kuan EL, Straub AC, Ouhachi M, Weinstein EG, Williams JW, Briseño C, Colonna M, Isakson BE, Gautier EL, Förster R, Davis MJ, Zinselmeyer BH, Randolph GJ. CCR7 and IRF4-dependent dendritic cells regulate lymphatic collecting vessel permeability J Clin Invest 2016;126(4):1581-1591

Kerrin A, Fitch P, Errington C, Kerr D, Waxman L, Riding K, McCormack J, Mehendele F, McSorley H, MacKenzie K, Wronski S, Braun A, Levin R, Theilen U, Schwarze J. Differential lower airway dendritic cell patterns may reveal distinct endotypes of RSV bronchiolitis. Thorax 2016;DOI: 10.1136/thoraxjnl-2015-207358

Kocijancic D, Felgner S, Frahm M, Komoll RM, Iljazovic A, Pawar V, Rohde M, Heise U, Zimmermann K, Gunzer F, Hammer J, Crull K, Leschner S, Weiss S. Therapy of solid tumors using probiotic Symbioflor-2: restraints and potential. Oncotarget 2016;7(16):22605-22622

Kohli K, Janssen A, Förster R. Plasmacytoid dendritic cells induce tolerance predominantly by cargoing antigen to lymph nodes. Eur J Immunol 2016;46(11):2659-2668

Kraus AK, Chen J, Edelhofer I, Ravens I, Gaspert A, Cippa PE, Mueller S, Wuthrich RP, Segerer S, Bernhardt G, Fehr T. The Role of T Cell Costimulation via DNAM-1 in Kidney Transplantation. PLoS One 2016;11(2):e0147951

Kühn N, Bergmann S, Kösterke N, Lambertz RL, Keppner A, van den Brand JM, Pöhlmann S, Weiß S, Hummler E, Hatesuer B, Schughart K. The Proteolytic Activation of (H3N2) Influenza A Virus Hemagglutinin Is Facilitated by Different Type II Transmembrane Serine Proteases. J Virol 2016;90(9):4298-4307

Lamb DJ, Wollin SL, Schnapp A, Bischoff D, Erb KJ, Bouyssou T, Guilliard B, Strasser C, Wex E, Blum S, Thaler E, Nickel H, Radmacher O, Haas H, Swantek JL, Souza D, Canfield M, White D, Panzenbeck M, Kashem MA, Sanville-Ross M, Kono T, Sewald K, Braun A, Oberholte H, Danov O, Schaenzle G, Rast G, Maier GM, Hoffmann M. BI 1002494, a Novel Potent and Selective Oral Spleen Tyrosine Kinase Inhibitor, Displays Differential Potency in Human Basophils and B Cells. J Pharmacol Exp Ther 2016;357(3):554-561

Lee CW, Wohlan K, Dallmann I, Förster R, Ganser A, Krueger A, Scherr M, Eder M, Koenecke C. miR-181a Expression in Donor T Cells Modulates Graft-versus-Host Disease after Allogeneic Bone Marrow Transplantation. J Immunol 2016;196(9):3927-3934

Nocera DA, Roselli E, Araya P, Nuñez NG, Lienenlaus S, Jablonska J, Weiss S, Gatti G, Brinkmann MM, Kröger A, Morón G, Maccioni M. In Vivo Visualizing the IFN-beta Response Required for Tumor Growth Control in a Therapeutic Model of Polyadenylic-Polyuridylic Acid Administration. J Immunol 2016;196(6):2860-2869

Raha S, Raud B, Oberdörfer L, Castro CN, Schreder A, Freitag J, Longerich T, Lochner M, Sparwasser T, Berod L, Koenecke C, Prinz I. Disruption of de novo fatty acid synthesis via acetyl-CoA carboxylase 1 inhibition prevents acute graft-versus-host disease. Eur J Immunol 2016;46(9):2233-2238

Reinhardt A, Yevsa T, Worbs T, Lienenlaus S, Sandrock I, Oberdörfer L, Korn T, Weiss S, Förster R, Prinz I. Interleukin-23-Dependent gamma/delta T Cells Produce Interleukin-17 and Accumulate in the Enthesis, Aortic Valve, and Ciliary Body in Mice Arthritis Rheumatol 2016;68(10):2476-2486

Smith LE, Olszewski MA, Georgoudaki AM, Wagner AK, Hägglof T, Karlsson MC, Dominguez-Villar M, Garcia-Cozar F, Mueller S, Ravens I, Bernhardt G, Chambers BJ. Sensitivity of dendritic cells to NK-mediated lysis depends on the inflammatory environment and is modulated by CD54/CD226-driven interactions. J Leukoc Biol 2016;100(4):781-789

Temann A, Golovina T, Neuhaus V, Thompson C, Chichester JA, Braun A, Yusibov V. Evaluation of inflammatory and immune responses in long-term cultured human precision-cut lung slices. *Hum Vaccin Immunother* 2017;13(2):351-358

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing. *Eur J Immunol* 2016;46(6):1415-1426

### **Übersichtsarbeiten**

Felgner S, Kocjancic D, Frahm M, Curtiss R, Erhardt M, Weiss S. Optimizing *Salmonella enterica* serovar *Typhimurium* for bacteria-mediated tumor therapy. *Gut Microbes* 2016;7(2):171-177

Felgner S, Kocjancic D, Frahm M, Weiss S. Bacteria in Cancer Therapy: Renaissance of an Old Concept. *Int J Microbiol* 2016;2016:8451728

Felgner S, Kocjancic D, Pawar V, Weiss S. Biomimetic *Salmonella*: A Next-Generation Therapeutic Vector? *Trends Microbiol* 2016;24(11):850-852

Förster R, Worbs T, Werth K. A 4-midable Connection: CCR7 Tetramers Link GPCR to Src Kinase Signaling. *Immunity* 2016;44(1):9-11

Lorenz A, Pawar V, Häussler S, Weiss S. Insights into host-pathogen interactions from state-of-the-art animal models of respiratory *Pseudomonas aeruginosa* infections. *FEBS Lett* 2016;590(21):3941-3959

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics. *Annu Rev Immunol* 2016;34:203-242

Worbs T, Hammerschmidt SI, Förster R. Dendritic cell migration in health and disease. *Nat Rev Immunol* 2017;17(1):30-48

### **Buchbeiträge, Monografien**

Werth K, Förster R. Active Shaping of Chemokine Gradients by Atypical Chemokine Receptors: A 4D Live-Cell Imaging Migration Assay. *Methods Enzymol* 2016;570:293-308

### **Promotionen**

Georgiev Georgiev, Hristo (Dr. rer. nat. M.Sc. Biotechnology): The CD155ligand-system impacts on functiondifferentiation of NK, T and NKT cells  
MHH-Signatur: D 80510

Kohli, Karan (PhD Immunology): Plasmacytoid dendritic cells homing and positioning in lymph nodes and their T cell priming properties  
MHH-Signatur: D 80183

Reinhardt, Annika (Dr. rer. nat. M.Sc. Biomedicine): Characterization of IL-17-producing enthesis-resident  $\gamma\delta$  T cells  
MHH-Signatur: D 80502

Thomsen, Irene (Dr. rer. nat.): Diversification of the intestinal IgA system studying dynamics of humoral immunity by high-throughput sequencing  
MHH-Signatur: D 80539

Werth, Kathrin (PhD): The role of ACKR4 and CCR7 in dendritic cell migration and function  
MHH-Signatur: D 80501

Wichmann, Judy (Dr. med. vet.): Untersuchungen zur Prävention von Asthma in einem ex vivo Lungenmodell unter Verwendung von nicht-menschlichen Primaten

Winter, Manuel André (Dr. med.): Darstellung und Quantifizierung von monoallelischem TCRalpha Gen rearrangement in alpha T-Zellen  
MHH-Signatur: D 80630

Yu, Kai (PhD M.Sc.): Generation and function of CCR7-expressing regulatory macrophages  
MHH-Signatur: D 80187

### **Masterarbeiten**

Detzer, Julia: Evaluation of inflammatory markers induced by exogenous noxae in a human pulmonary co-culture System

Laßwitz, Lisa: Effect of infection on asthma phenotype ex vivo

Schulz, Laura: Charakterisierung von funktionell immortalisierten humanen Lungenepithelzellen zur Etablierung eines in vitro Modells für die toxikologische Untersuchung von luftgetragenen Substanzen

Volkwein, Annika: Effect of viral infection on asthma phenotype in precision-cut lung slices

Winterberg, Dorothee: Induktion von pro-fibrotischen Signalwegen in ex vivo Gewebeschnitten der Lunge

#### Bachelorarbeiten

Binz, Christopher (B.Sc.): Investigating the role of septin-7 deficiency on proliferation and homeostasis of dermal gamma-delta T cells

Keisker, Maximilian (B.Sc.): Untersuchung der NKT-Zell-Differenzierung im Thymus und in der Peripherie mittels eines CD103 cre-fate mapping Modells

## Institut für Klinische Chemie – 8110

#### Originalpublikationen

Frantzi M, Van Kessel KE, Zwarthoff EC, Marquez M, Rava M, Malats N, Merseburger AS, Katafigiotis I, Stravodimos K, Mullen W, Zoidakis J, Makridakis M, Pejchinovski M, Critselis E, Lichtinghagen R, Brand K, Dakna M, Roubelakis MG, Theodorescu D, Vlahou A, Mischak H, Anagnou NP. Development and validation of urine-based peptide biomarker panels for detecting bladder cancer in a multi-center study. *Clin Cancer Res* 2016;22(16):4077-4086

Grosse GM, Schulz-Schaeffer WJ, Teebken OE, Schuppner R, Dirks M, Worthmann H, Lichtinghagen R, Maye G, Limbourg FP, Weissenborn K. Monocyte Subsets and Related Chemokines in Carotid Artery Stenosis and Ischemic Stroke. *Int J Mol Sci* 2016;17(4):E433

Habener A, Chowdhury A, Echtermeyer F, Lichtinghagen R, Theilmeier G, Herzog C. MitoNEET Protects HL-1 Cardiomyocytes from Oxidative Stress Mediated Apoptosis in an In Vitro Model of Hypoxia and Reoxygenation. *PLoS One* 2016;11(5):e0156054

Heiderich S, Jürgens J, Rudolf D, Dennhardt N, Echtermeyer F, Leffler A, Sümpelmann R, Lichtinghagen R, Witt L. Compatibility of common drugs with acetate-containing balanced electrolyte solutions in pediatric anesthesia. *Paediatr Anaesth* 2016;26(6):590-598

Kaufholdt D, Baillie CK, Bikker R, Burkart V, Dudek CA, Pein L, Rothkegel M, Mendel RR, Hänsch R. The molybdenum cofactor biosynthesis complex interacts with actin filaments via molybdenum insertase Cnx1 as anchor protein in *Arabidopsis thaliana*. *Plant Sci* 2016;244:8-18

Lutterkort GL, Wranke A, Yurdaydin C, Budde E, Westphal M, Lichtinghagen R, Stift J, Bremer B, Hardtke S, Keskin O, Idilman R, Koch A, Manns MP, Dienes HP, Wedemeyer H, Heidrich B. Non-Invasive Fibrosis Score for Hepatitis Delta. *Liver Int* 2017;37(2):196-204

Manno B, Oellerich T, Schnyder T, Corso J, Lösing M, Neumann K, Urlaub H, Batista FD, Engelke M, Wienands J. The Dok-3/Grb2 adaptor module promotes inducible association of the lipid phosphatase SHIP with the BCR in a coreceptor-independent manner. *Eur J Immunol* 2016;46(11):2520-2530

Markova M, Pivovarova O, Hornemann S, Sucher S, Frahnow T, Wegner K, Machann J, Petzke KJ, Hierholzer J, Lichtinghagen R, Herder C, Carstensen-Kirberg M, Roden M, Rudovich N, Klaus S, Thomann R, Schneeweiss R, Rohn S, Pfeiffer AF. Isocaloric Diets High in Animal or Plant Protein Reduce Liver fat and Inflammation in Individuals with Type 2 Diabetes. *Gastroenterology* 2017;152(3):571-585.e8

Roth S, Bergmann H, Jaeger M, Yeroslaviz A, Neumann K, Koenig PA, Prazeres da Costa C, Vanes L, Kumar V, Johnson M, Menachio-Marquez M, Habermann B, Tybulewicz VL, Netea M, Bustelo XR, Ruland J. Vav Proteins Are Key Regulators of Card9 Signaling for Innate Antifungal Immunity. *Cell Rep* 2016;17(10):2572-2583

Sander J, Cavalleri JM, Terhardt M, Bochnia M, Zeyner A, Zuraw A, Sander S, Peter M, Janzen N. Rapid diagnosis of hypoglycin A intoxication in atypical myopathy of horses. *J Vet Diagn Invest* 2016;28(2):98-104

Sander J, Terhardt M, Sander S, Janzen N. Quantification of hypoglycin A as butyl ester. *J Chromatogr B Anal Technol Biomed Life Sci* 2016;1029-1030:169-173

Schinke J, Kolog Gulko M, Christmann M, Valerius O, Stumpf SK, Stirz M, Braus GH. The DenA/DEN1 Interacting Phosphatase DipA Controls Septa Positioning and Phosphorylation-Dependent Stability of Cytoplasmatic DenA/DEN1 during Fungal Development. PLoS Genet 2016;12(3):e1005949

Schönemeier B, Metzger J, Klein J, Husi H, Bremer B, Armbrecht N, Dakna M, Schanstra JP, Rosendahl J, Wiegand J, Jäger M, Mullen W, Breuil B, Plentz RR, Lichtenhagen R, Brand K, Kühnel F, Mischak H, Manns MP, Lankisch TO. Urinary Peptide Analysis Differentiates Pancreatic Cancer From Chronic Pancreatitis. Pancreas 2016;45(7):1018-1026

Schuster R, Kleimann A, Rehme MK, Taschner L, Glahn A, Groh A, Frieling H, Lichtenhagen R, Hillemacher T, Bleich S, Heberlein A. Elevated methylation and decreased serum concentrations of BDNF in patients in levomethadone compared to diamorphine maintenance treatment. Eur Arch Psychiatry Clin Neurosci 2017;267(1):33-40

Waschki B, Kirsten AM, Holz O, Meyer T, Lichtenhagen R, Rabe KF, Magnussen H, Welte T, Watz H, Janciauskienė S. Angiopoietin-like protein 4 and cardiovascular function in COPD BMJ Open Respir Res 2016;3(1):e000161

Westphal A, Cheng W, Yu J, Grassl G, Krautkrämer M, Holst O, Föger N, Lee KH. Lysosomal trafficking regulator Lyst links membrane trafficking to toll-like receptor-mediated inflammatory responses. J Exp Med 2017;214(1):227-244

Zierk J, Arzideh F, Haeckel R, Cario H, Fröhwald MC, Gross HJ, Gscheidmeier T, Hoffmann R, Krebs A, Lichtenhagen R, Neumann M, Ruf HG, Steigerwald U, Streichert T, Rascher W, Metzler M, Rauh M. Pediatric reference intervals for alkaline phosphatase. Clin Chem Lab Med 2017;55(1):102-110

#### **Letter**

Grote-Koska D, Klauke R, Brand K, Schumann G. Alkaline phosphatase activity - pH impact on the measurement result. Clin Chem Lab Med 2016:DOI 10.1515/cclm-2016-0771

#### **Case reports**

Bochnia M, Scheidemann W, Ziegler J, Sander J, Vollstedt S, Glatter M, Janzen N, Terhardt M, Zeyner A. Predictive value of hypoglycin A and methylencyclopolyacetic acid conjugates in a horse with atypical myopathy in comparison to its cograzing partners. Equine vet educ 2016:DOI: 10.1111/eve.12596

#### **Editorials**

Huber R. Human monopoiesis is characterized by distinct and stage-specific gene expression profiles Br J Haematol 2017;176(3):341-342

#### **Promotionen**

Attili/Abedalkhader, Rozan Romel (Dr. rer. biol. hum.): Cellular and molecular characterization of the effects of different anticoagulants on the regulation of matrix metalloproteinase 9  
MHH-Signatur: D 80640

Bikker, Rolf (Dr. rer. nat.): Molekulare Mechanismen der TNF-Toleranz in monozytären Zellen  
MHH-Signatur: D 80387

Welz, Bastian (Dr. rer. nat.): Regulation des Transkriptionsfaktors C/EBP $\beta$  während monozytärer Differenzierung Beteiligung der Protein-kinase R  
MHH-Signatur: D 80601

## **Institut für Medizinische Mikrobiologie und Krankenhaushygiene – 5210**

#### **Originalpublikationen**

Ahlenstiell-Grunow T, Hachmeister S, Bange FC, Wehling C, Kirschfink M, Bergmann C, Pape L. Systemic complement activation and complement gene analysis in enterohaemorrhagic Escherichia coli-associated paediatric haemolytic uraemic syndrome. Nephrol Dial Transplant 2016;31(7):1114-1121

Arbore G, West EE, Spolski R, Robertson AA, Klos A, Rheinheimer C, Dutow P, Woodruff TM, Yu ZX, O'Neill LA, Coll RC, Sher A, Leonard WJ, Köhl J, Monk P, Cooper MA, Arno M, Afzali B, Lachmann HJ, Cope AP, Mayer-Barber KD, Kemper C. T helper 1 immunity requires complement-driven NLRP3 inflammasome activity in CD4(+) T cells. Science 2016;352(6292):aad1210

Bajor A, Luhr A, Brockmann D, Suerbaum S, Framme C, Sedlacek L. Listeria monocytogenes endophthalmitis - case report and review of risk factors and treatment outcomes. BMC Infect Dis 2016;16:332

Barrozo RM, Hansen LM, Lam AM, Skoog EC, Martin ME, Cai LP, Lin Y, Latoscha A, Suerbaum S, Canfield DR, Solnick JV. CagY is an Immune-Sensitive Regulator of the Helicobacter pylori Type IV Secretion System. *Gastroenterology* 2016;151(6):1164-1175.e3

Behrens W, Schweinitzer T, McMurry JL, Loewen PC, Buettner FF, Menz S, Josenhans C. Localisation and protein-protein interactions of the Helicobacter pylori taxis sensor TlpD and their connection to metabolic functions. *Sci Rep* 2016;6:23582

Bitzer M, Gastmeier P, Vonberg RP. Nosokomiale Ausbrüche durch Carbapenemase-produzierende Klebsiella pneumoniae - Ergebnisse eines systematischen Reviews. *HYG MED* 2016;41(1/2):D24-D31

Bönig T, Olbermann P, Bats SH, Fischer W, Josenhans C. Systematic site-directed mutagenesis of the Helicobacter pylori CagL protein of the Cag type IV secretion system identifies novel functional domains *Sci Rep* 2016;6:38101

Bubendorfer S, Krebes J, Yang I, Hage E, Schulz TF, Bahlawane C, Didelot X, Suerbaum S. Genome-wide analysis of chromosomal import patterns after natural transformation of Helicobacter pylori *Nat Commun* 2016;7:11995

Cammann S, Timrott K, Vonberg RP, Vondran FW, Schrem H, Suerbaum S, Klempnauer J, Bektaş H, Kleine M. Cholangitis in the postoperative course after biliodigestive anastomosis. *Langenbecks Arch Surg* 2016;401(5):715-724

Dupont A, Sommer F, Zhang K, Repnik U, Basic M, Bleich A, Kühnel M, Bäckhed F, Litvak Y, Fulde M, Rosenshine I, Hornef MW. Age-Dependent Susceptibility to Enteropathogenic Escherichia coli (EPEC) Infection in Mice. *PLoS Pathog* 2016;12(5):e1005616

Elhadad D, Desai P, Grassl GA, McClelland M, Rahav G, Gal-Mor O. Differences in Host Cell Invasion and Salmonella Pathogenicity Island 1 Expression between *Salmonella enterica* Serovar Paratyphi A and Nontyphoidal *S. Typhimurium*. *Infect Immun* 2016;84(4):1150-1165

Hussein K, Peter C, Sedlacek L, Kaisenberg CV, Kreipe HH. Nekrotisierende Funikulitis : Histopathologischer Indikator für eine okkulte konnatale Syphilis. *Pathologe* 2016;DOI: 10.1007/s00292-016-0177-5

Kaase M, Schimanski S, Schiller R, Beyreiss B, Thürmer A, Steinmann J, Kempf VA, Hess C, Sobottka I, Fenner I, Ziesing S, Burckhardt I, von Müller L, Hamprecht A, Tammer I, Wantia N, Becker K, Holzmann T, Furitsch M, Volmer G, Gatermann SG. Multicentre investigation of carbapenemase-producing *Escherichia coli* and *Klebsiella pneumoniae* in German hospitals. *Int J Med Microbiol* 2016;306(6):415-420

Kammer J, Ziesing S, Aguirre Davila L, Bültmann E, Illsinger S, Das AM, Haffner D, Hartmann H. Neurological Manifestations of *Mycoplasma pneumoniae* Infection in Hospitalized Children and Their Long-Term Follow-Up. *Neuropediatrics* 2016;47(5):308-317

Kehrmann J, Kurt N, Rueger K, Bange FC, Buer J. GenoType NTM-DR for identifying *Mycobacterium abscessus* subspecies and determining molecular resistance. *J Clin Microbiol* 2016;54(6):1653-1655

Kehrmann J, Wessel S, Murali R, Hampel A, Bange FC, Buer J, Mosel F. Principal component analysis of MALDI TOF MS mass spectra separates *M. abscessus* (*sensu stricto*) from *M. massiliense* isolates. *BMC Microbiol* 2016;16(1):24

Malfertheiner P, Megraud F, O'Morain CA, Gisbert JP, Kuipers EJ, Axon AT, Bazzoli F, Gasbarrini A, Atherton J, Graham DY, Hunt R, Moayyedi P, Rokkas T, Rugge M, Selgrad M, Suerbaum S, Sugano K, El-Omar EM, European Helicobacter and Microbiota Study Group and Consensus panel. Management of Helicobacter pylori infection-the Maastricht V/Florence Consensus Report. *Gut* 2017;66(1):6-30

Piening B, Vonberg RP, Gastmeier P. Die Aufbereitung von Duodenoskopen: ein beherrschbares Risiko? *HYG MED* 2016;41(1/2):D11-D14

Preisitsch M, Heiden SE, Beerbaum M, Niedermeyer TH, Schneefeld M, Herrmann J, Kumpfmüller J, Thürmer A, Neidhardt I, Wiesner C, Daniel R, Müller R, Bange FC, Schmieder P, Schweder T, Mundt S. Effects of Halide Ions on the Carbamidocyclophane Biosynthesis in *Nostoc* sp. CAVN2. *Mar Drugs* 2016;14(1):21

Rausch P, Basic M, Batra A, Bischoff SC, Blaut M, Clavel T, Gläsner J, Gopalakrishnan S, Grassl GA, Günther C, Haller D, Hirose M, Ibrahim S, Loh G, Mattner J, Nagel S, Pabst O, Schmidt F, Siegmund B, Strowig T, Volynets V, Wirtz S, Zeissig S, Zeissig Y, Bleich A, Baines JF. Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. *Int J Med Microbiol* 2016;306(5):343-355

von Lengerke T, Schulz-Stübner S, Chaberny IF, Lutze B. Psychologie der Händehygiene-Compliance: Von der Motivation zum Verhalten. *Krankenh hyg up2date* 2016;11(2):135-150

von Schaewen M, Dorner M, Hueging K, Foquet L, Gerges S, Hrebikova G, Heller B, Bitzegeio J, Doerrbecker J, Horwitz JA, Gerold G, Suerbaum S, Rice CM, Meuleman P, Pietschmann T, Ploss A. Expanding the Host Range of Hepatitis C Virus through Viral Adaptation. *MBio* 2016;7(6):10.1128/mBio.01915-10.1128/mBio.01916

Westphal A, Cheng W, Yu J, Grassl G, Krautkrämer M, Holst O, Föger N, Lee KH. Lysosomal trafficking regulator Lyst links membrane trafficking to toll-like receptor-mediated inflammatory responses. *J Exp Med* 2017;214(1):227-244

Wolters M, Oelke M, Lutze B, Weingart M, Kuczyk MA, Chaberny IF, Graf K. Deep Surgical Site Infections after Open Radical Cystectomy and Urinary Diversion Significantly Increase Hospitalisation Time and Total Treatment Costs. *Urol Int* 2017;98(3):268-273

Yang I, Woltemate S, Piazuelo MB, Bravo LE, Yepez MC, Romero-Gallo J, Delgado AG, Wilson KT, Peek RM, Correa P, Josenhans C, Fox JG, Suerbaum S. Different gastric microbiota compositions in two human populations with high and low gastric cancer risk in Colombia. *Sci Rep* 2016;6:18594

Ziesing S, Suerbaum S, Sedlacek L. Fungal epidemiology and diversity in cystic fibrosis patients over a 5-year period in a national reference center. *Med Mycol* 2016;54(8):781-786

### Übersichtsarbeiten

Fischbach W, Malfertheiner P, Lynen Jansen P, Bolten W, Bornschein J, Buderus S, Glocker E, Hoffmann JC, Koletzko S, Labenz J, Mayerle J, Miehlke S, Mössner J, Peitz U, Prinz C, Selgrad MS, S., Venerito M, Vieth M. S2k-Leitlinie Helicobacter pylori und gastroduodenale Ulkuskrankheit. *Z Gastroenterol* 2016;54(4):327-363

Günther C, Josenhans C, Wehkamp J. Crosstalk between microbiota, pathogens and the innate immune responses. *Int J Med Microbiol* 2016;306(5):257-265

Vonberg RP. Höher, schneller, weiter – Neue Methoden der Infektionsdiagnostik. *Intensivmed up2date* 2016;12(1):41-56

### Buchbeiträge, Monografien

Bange FC, Fille M. Antimykobakterielle Therapeutika. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 763-766

Bange FC, Hahn H, Kaufmann SHE, Ulrichs T. Mykobakterien. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 337-350

Bange FC. Nocardien und andere aerobe Aktinomyzeten. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 351-354

Bär W, Suerbaum S. Physiologische Bakterienflora: Regulation und Wirkungen, iatogene Störungen und Probiotika. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 27-36

Fille M, Ziesing S. Antibakterielle Wirkung. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 709-712

Fille M, Ziesing S. Auswahl antimikrobieller Substanzen (Indikation). In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 723-726

Fille M, Ziesing S. Kombinationen mit  $\beta$ -Laktamase-Inhibitoren. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 735-736

Fille M, Ziesing S. Lincosamide (Clindamycin). In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 753-754

Heim A, Ziesing S, Vonberg RP. Klinische Diagnostik und Probennahme. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 123-130

Höck M, Ziesing S. Tetracycline (Doxycyclin) und Glycylcycline. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 749-752

Horné M. Weitere medizinisch bedeutsame Bakterien. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 417-421

Hornet M. Vibionen, Aeromonas. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 255-260

Josenhans C, Hahn H. Bakterien: Definition und Aufbau. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 173-182

Josenhans C, Hahn H. Bakterien: Vermehrung und Stoffwechsel. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 183-186

Josenhans C, Suerbaum S, Hofreuter D. Campylobacter. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 271-276

Klos A. Chlamydien. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 405-416

Lutze B, Chaberry IF, Graf K, Krauth C, Lange K, Schwadtko L, Stahmeyer J, von Lengerke T. Risiko - im Griff? Ergebnisse des PSYGIENE-Projekts zur Motivationslage bezüglich der eigenen hygienischen Händedesinfektion bei Ärzten und Pflegekräften der Intensivmedizin. In: Ingensiep HW, Popp W [Hrsg.]: Hygiene-Aufklärung im Spannungsfeld zwischen Medizin und Gesellschaft. München: Verlag Karl Alber, 2016. (Lebenswissenschaften im Dialog ; 23). S. 57-66

Sedlacek L, Suerbaum S, Ziesing S. Pseudomonas aeruginosa bei CF-Patienten. In: Bundesamt für Verbraucherschutz und Lebensmittelsicherheit [Hrsg.]: GERMAP 2015 : Antibiotika-Resistenz und -Verbrauch ; Bericht über den Antibiotikaverbrauch und die Verbreitung von Antibiotikaresistenzen in der Human- und Veterinärmedizin in Deutschland, 2016. S. 81-83

Suerbaum S, Hahn H. Die medizinische Mikrobiologie im 21. Jahrhundert. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 3-6

Suerbaum S, Hornet M, Karch H. Enterobakterien. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 227-254

Suerbaum S. Helicobacter. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 277-282

Vonberg RP, Gastmeier P. Systematic analysis of nosocomial outbreaks. In: Leber AL [Hrsg.]: Clinical Microbiology Procedures Handbook. 4th ed. Washington,D.C.: ASM Press, 2016. S. 13.4.3

Vonberg RP, Graf K. Prävention von Bakterien- und Virusinfektionen. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 275-164

Ziesing S, Fille M, Dierich P. Nebenwirkungen. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 721-722

Ziesing S, Fille M. Pharmakokinetik. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 717-718

Ziesing S, Fille M. Resistenz. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 713-716

Ziesing S, Heim A, Vonberg RP. Methoden der mikrobiologischen Diagnostik. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 131-150

## Herausgeberschaften

Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF. Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. XXXVII, 954 Seiten. (Springer-Lehrbuch)

## Promotionen

Behrens, Wiebke (Dr. rer. nat. M.Sc.): Characterization of mechanisms mediating energy taxis of Helicobacter pylori in vitro and in vivo  
MHH-Signatur: D 80177

Billig, Sandra (Dr. rer. nat. M.Sc.): The role of acetate and lactate metabolism in the response of *Mycobacterium tuberculosis* against host derived stress  
MHH-Signatur: D 80196

Bothe, Miriam (Dr. rer. nat. M.Sc. Biomedicine): Functions of the cytotoxin CT166 of chlamydia trachomatis D and homologous potential virulence factors of related chlamydial species  
MHH-Signatur: D 80527

Rüger, Kai Ulrich (Dr. med.): Charakterisierung von rauen und glatten Morphotypen von *Mycobacterium abscessus* aus klinischen Isolaten  
MHH-Signatur: D 80674

Schneefeld, Marie Liane (Dr. rer. nat.): Untersuchung der LysG-abhängigen Genregulation in *Mycobacterium tuberculosis* und Testung antimykobakterieller Wirkstoffe  
MHH-Signatur: D 80698

Zhang, Kaiyi (Dr. rer. nat. M.Sc. Molecular Life Sciences): In vivo interaction of *Salmonella* with intestinal epithelium using a novel neonatal mouse model  
MHH-Signatur: D 80170

#### Bachelorarbeiten

Bollmann, Laura (B.A.): Charakterisierung von Antibiotikaresistenzen und Plasmiden in *Campylobacter coli*

## Institut für Molekularbiologie – 5250

#### Originalpublikationen

Arraf AA, Yelin R, Reshef I, Kispert A, Schultheiss TM. Establishment of the Visceral Embryonic Midline Is a Dynamic Process that Requires Bilaterally Symmetric BMP Signaling Dev Cell 2016;37(6):571-580

Bohnenpoll T, Feraric S, Nattkemper M, Weiss AC, Rudat C, Meuser M, Trowe MO, Kispert A. Diversification of Cell Lineages in Ureter Development J Am Soc Nephrol 2016;DOI: 10.1681/ASN.2016080849

Bolt CC, Negi S, Guimarães-Camboa N, Zhang H, Troy JM, Lu X, Kispert A, Evans SM, Stubbs L. Tbx18 Regulates the Differentiation of Periductal Smooth Muscle Stroma and the Maintenance of Epithelial Integrity in the Prostate PLoS One 2016;11(4):e0154413

Greulich F, Rudat C, Farin HF, Christoffels VM, Kispert A. Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development PLoS One 2016;11(6):e0156787

Greulich F, Trowe MO, Leffler A, Stoetzer C, Farin HF, Kispert A. Misexpression of Tbx18 in cardiac chambers of fetal mice interferes with chamber-specific developmental programs but does not induce a pacemaker-like gene signature J Mol Cell Cardiol 2016;97:140-149

Lüdtke TH, Rudat C, Wojahn I, Weiss AC, Kleppa MJ, Kurz J, Farin HF, Moon A, Christoffels VM, Kispert A. Tbx2 and Tbx3 Act Downstream of Shh to Maintain Canonical Wnt Signaling during Branching Morphogenesis of the Murine Lung Dev Cell 2016;39(2):239-253

Schuster-Gossler K, Cordes R, Müller J, Geffers I, Delany-Heiken P, Taft M, Preller M, Gossler A. Context-Dependent Sensitivity to Mutations Disrupting the Structural Integrity of Individual EGF Repeats in the Mouse Notch Ligand DLL1. Genetics 2016;202(3):1119-1133

Stauber M, Weidemann M, Dittrich-Breiholz O, Lobschat K, Alten L, Mai M, Beckers A, Kracht M, Gossler A. Identification of FOXJ1 effectors during ciliogenesis in the foetal respiratory epithelium and embryonic left-right organiser of the mouse Dev Biol 2017;423(2):170-188

Stoetzer C, Doll T, Stueber T, Herzog C, Echtermeyer F, Greulich F, Rudat C, Kispert A, Wegner F, Leffler A. Tetrodotoxin-sensitive alpha-subunits of voltage-gated sodium channels are relevant for inhibition of cardiac sodium currents by local anesthetics. Naunyn Schmiedebergs Arch Pharmacol 2016;389(6):625-636

Tezval H, Dubrowinska N, Peters I, Reese C, Serth K, Atschekzei F, Hennenlotter J, Stenzl A, Kuczyk MA, Serth J. Tumor Specific Epigenetic Silencing of Corticotropin Releasing Hormone -Binding Protein in Renal Cell Carcinoma: Association of Hypermethylation and Metastasis PLoS One 2016;11(10):e0163873

Weidemann M, Schuster-Gossler K, Stauber M, Wrede C, Hegermann J, Ott T, Boldt K, Beyer T, Serth K, Kremmer E, Blum M, Ueffing M, Gossler A. CFAP157 is a murine downstream effector of FOXJ1 that is specifically required for flagellum morphogenesis and sperm motility. *Development* 2016;143(24):4736-4748

### Übersichtsarbeiten

García de Vinuesa A, Abdelilah-Seyfried S, Knaus P, Zwijsen A, Bailly S. BMP signaling in vascular biology and dysfunction *Cytokine Growth Factor Rev* 2016;27:65-79

Haack T, Abdelilah-Seyfried S. The force within: endocardial development, mechanotransduction and signalling during cardiac morphogenesis. *Development* 2016;143(3):373-386

### Promotionen

Gehring, Gerrit (Dr. med.): Das Antiarrhythmikum Amiodaron hemmt den Zelleintritt von Filoviren  
MHH-Signatur: D 80727

Weidemann, Marina (Dr. rer. nat.): Identification and characterisation of putative FOXJ1-dependent factors required for ciliogenesis in the mouse  
MHH-Signatur: D 80410

## Institut für Transfusionsmedizin – 8350

### Originalpublikationen

Aggarwal N, Korenbaum E, Mahadeva R, Immenschuh S, Grau V, Dinarello CA, Welte T, Janciauskienė S. alpha-Linoleic acid enhances the capacity of alpha-1 antitrypsin to inhibit lipopolysaccharide-induced IL-1beta in human blood neutrophils. *Mol Med* 2016;22:DOI: 10.2119/molmed.2016.00119

Börger AK, Eicke D, Wolf C, Gras C, Aufderbeck S, Schulze K, Engels L, Eiz-Vesper B, Schambach A, Guzman CA, Lachmann N, Moritz T, Martin U, Blasczyk R, Figueiredo C. Generation of HLA-universal iPSCs-derived megakaryocytes and platelets for survival under refractoriness conditions. *Mol Med* 2016;22:DOI:10.2119/molmed.2015.00235

Bunse CE, Tischer S, Lahrberg J, Oelke M, Figueiredo C, Blasczyk R, Eiz-Vesper B. Granulocyte colony-stimulating factor impairs CD8(+) T cell functionality by interfering with central activation elements. *Clin Exp Immunol* 2016;185(1):107-118

Grau V, Zeuschner P, Immenschuh S, Bockmeyer CL, Zell S, Wittig J, Säuberlich K, Abbas M, Padberg W, Meyer-Schweisinger C, von Brandenstein M, Schlosser M, Dieplinger G, Galliford J, Clarke C, Roufosse C, Becker JU. Immune Complex-Type Deposits in the Fischer-344 to Lewis Rat Model of Renal Transplantation and a Subset of Human Transplant Glomerulopathy. *Transplantation* 2016;100(5):1004-1014

Greib J, Verga-Falzacappa MV, Echner NE, Behnisch W, Bandapalli OR, Pechanska P, Immenschuh S, Vijayan V, Balla J, Tsukahara H, Schneider M, Janka G, Claus M, Longerich T, Muckenthaler MU, Kulczyk AE. Mutating heme oxygenase-1 into a peroxidase causes a defect in bilirubin synthesis associated with microcytic anemia and severe hyperinflammation. *Haematologica* 2016;101(11):e436-e439

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. *Mol Ther* 2016;24(7):1216-1226

Kleiner S, Braunstahl GJ, Rüdrich U, Gehring M, Eiz-Vesper B, Luger TA, Steelant B, Seys SF, Kapp A, Böhm M, Hellings PW, Raap U. Regulation of melanocortin 1 receptor in allergic rhinitis in vitro and in vivo. *Clin Exp Allergy* 2016;46(8):1066-1074

Manandhar T, Kunze-Schumacher H, Huyton T, Celik AA, Blasczyk R, Bade-Doedding C. Understanding the obstacle of incompatibility at residue 156 within HLA-B\*35 subtypes *Immunogenetics* 2016;68(4):247-260

Mommert S, Kleiner S, Gehring M, Eiz-Vesper B, Stark H, Gutzmer R, Werfel T, Raap U. Human basophil chemotaxis and activation are regulated via the histamine H4 receptor. *Allergy* 2016;71(9):1264-1273

Neehus AL, Wistuba J, Ladas N, Eiz-Vesper B, Schlatt S, Müller T. Gene conversion of the major histocompatibility complex class I Caja-G in common marmosets (*Callithrix jacchus*). *Immunology* 2016;149(3):343-352

Priesner C, Esser R, Tischer S, Marburger M, Aleksandrova K, Maecker-Kolhoff B, Heuft HG, Goudeva L, Blasczyk R, Arseniev L, Köhl U, Eiz-Vesper B, Klöss S. Comparative Analysis of Clinical-Scale IFN-gamma-Positive T-Cell Enrichment Using Partially and Fully Integrated Platforms. *Front Immunol* 2016;7:393

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. *J Immunol* 2016;196(8):3245-3252

Sauer MG, Herbst J, Diekmann U, Rudd CE, Kardinal C. SHP-1 acts as a key regulator of alloresponses by modulating LFA-1-mediated adhesion in primary murine T cells. *Mol Cell Biol* 2016;36(24):3113-3127

Schultze-Florey RE, Tischer S, Schwerk N, Heim A, Eiz-Vesper B, Maecker-Kolhoff B. Monitoring of adenovirus (ADV)-specific T cells in a boy with ADV pneumonia and disseminated disease after lung transplantation. *Transpl Infect Dis* 2016;18(5):756-760

Tischer S, Geyeregger R, Kwoczek J, Heim A, Figueiredo C, Blasczyk R, Maecker-Kolhoff B, Eiz-Vesper B. Discovery of immunodominant T-cell epitopes reveals penton protein as a second immunodominant target in human adenovirus infection. *J Transl Med* 2016;14(1):286

Wagner B, da Silva Nardi F, Schramm S, Kraemer T, Celik AA, Dürig J, Horn PA, Dührsen U, Nückel H, Rebmann V. HLA-E allelic genotype correlates with HLA-E plasma levels and predicts early progression in chronic lymphocytic leukemia. *Cancer* 2017;123(5):814-823

### **Editorials**

Wagener FA, Immenschuh S. Editorial: Molecular Mechanisms Protecting against Tissue Injury. *Front Pharmacol* 2016;7:272

### **Promotionen**

Fortmeier, Valentin (Dr. med.): Einfluss pharmakologischer Modulation der Hämoxigenase-1 durch Metalloporphyrine auf Expansion und Funktionalität antiviraler T-Zellen  
MHH-Signatur: D 80629

Kraemer, Thomas (Dr. rer. nat.): HLA-E mediated immune regulation is altered in the absence of HLA class I signal peptides  
MHH-Signatur: D 80442

Sukdolak, Cinja (Dr. med.): Frequency assessment of antiviral T cells against human Cytomegalovirus, Adenovirus and Epstein-Barr virus in potential third-party donors  
MHH-Signatur: D 80390

## **Institut für Versuchstierkunde – 8602**

### **Originalpublikationen**

Alessio AP, Fili AE, Garrels W, Forcato DO, Olmos Nicotra MF, Liaudat AC, Bevacqua RJ, Savy V, Hiriart MI, Talluri TR, Owens JB, Ivics Z, Salamone DF, Moisyadi S, Kues WA, Bosch P. Establishment of cell-based transposon-mediated transgenesis in cattle. *Theriogenology* 2016;85(7):1297-311.e2

Anand T, Talluri TR, Kumar D, Garrels W, Mukherjee A, Debowski K, Behr R, Kues WA. Differentiation of Induced Pluripotent Stem Cells to Lentoid Bodies Expressing a Lens Cell-Specific Fluorescent Reporter. *PLoS One* 2016;11(6):e0157570

Andzinski L, Spanier J, Kasnitz N, Kröger A, Jin L, Brinkmann MM, Kalinke U, Weiss S, Jablonska J, Lienenklaus S. Growing tumors induce a local STING dependent Type I IFN response in dendritic cells. *Int J Cancer* 2016;139(6):1350-1357

Breuer H, Meier M, Schneefeld S, Härtig W, Wittneben A, Märkel M, Ross TL, Bengel FM, Bankstahl M, Bankstahl JP. Multimodality imaging of blood-brain barrier impairment during epileptogenesis. *J Cereb Blood Flow Metab* 2017;37(6):2049-2061

Castiglia V, Piersigilli A, Ebner F, Janos M, Goldmann O, Damböck U, Kröger A, Weiss S, Knapp S, Jamieson AM, Kirschning C, Kalinke U, Strobl B, Müller M, Stoiber D, Lienenklaus S, Kovarik P. Type I Interferon Signaling Prevents IL-1beta-Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. *Cell Host Microbe* 2016;19(3):375-387

De Beuckelaer A, Pollard C, Van Lint S, Roose K, Van Hoecke L, Naessens T, Udhayakumar VK, Smet M, Sanders N, Lienenklaus S, Saelens X, Weiss S, Vanham G, Grooten J, De Koker S. Type I Interferons Interfere with the Capacity of mRNA Lipoplex Vaccines to Elicit Cytolytic T Cell Responses. *Mol Ther* 2016;24(11):2012-2020

Dupont A, Sommer F, Zhang K, Repnik U, Basic M, Bleich A, Kühnel M, Bäckhed F, Litvak Y, Fulde M, Rosenshine I, Hornef MW. Age-Dependent Susceptibility to Enteropathogenic Escherichia coli (EPEC) Infection in Mice. *PLoS Pathog* 2016;12(5):e1005616

Garrels W, Talluri TR, Apfelbaum R, Carratalá YP, Bosch P, Pötzsch K, Grueso E, Ivics Z, Kues WA. One-step Multiplex Transgenesis via Sleeping Beauty Transposition in Cattle. *Sci Rep* 2016;6:21953

Hueper K, Gutberlet M, Bräsen JH, Jang MS, Thorenz A, Chen R, Hertel B, Barrmeyer A, Schmidbauer M, Meier M, von Vietinghoff S, Khalifa A, Hartung D, Haller H, Wacker F, Rong S, Gueler F. Multiparametric Functional MRI: Non-Invasive Imaging of Inflammation and Edema Formation after Kidney Transplantation in Mice. *PLoS One* 2016;11(9):e0162705

Hueper K, Hensen B, Gutberlet M, Chen R, Hartung D, Barrmeyer A, Meier M, Li W, Jang MS, Mengel M, Wacker F, Rong S, Gueler F. Kidney Transplantation: Multiparametric Functional Magnetic Resonance Imaging for Assessment of Renal Allograft Pathophysiology in Mice. *Invest Radiol* 2016;51(1):58-65

Lambrecht L, Vanvarenberg K, De Beuckelaer A, Van Hoecke L, Grooten J, Ucakar B, Lipnik P, Sanders NN, Lienenklas S, Préat V, Van dermeulen G. Coadministration of a Plasmid Encoding HIV-1 Gag Enhances the Efficacy of Cancer DNA Vaccines. *Mol Ther* 2016;24(9):1686-1696

Mattheis L, Jung JS, Hiebl B, Garrels W, Kielstein H, Spielmann J. Perioperative support reduces mortality of obese BALB/c mice after ovariectomy. *Lab Anim (NY)* 2016;45(7):262-267

Mucci A, Kunkiel J, Suzuki T, Brennig S, Glage S, Kühnel MP, Ackermann M, Happel C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N. Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency. *Stem Cell Reports* 2016;7(2):292-305

Mukherjee A, Garrels W, Talluri TR, Tiedemann D, Bőszé Z, Ivics Z, Kues WA. Expression of Active Fluorophore Proteins in the Milk of Transgenic Pigs Bypassing the Secretory Pathway. *Sci Rep* 2016;6:24464

Noack A, Noack S, Buettner M, Naim HY, Löscher W. Intercellular transfer of P-glycoprotein in human blood-brain barrier endothelial cells is increased by histone deacetylase inhibitors. *Sci Rep* 2016;6:29253

Nocera DA, Roselli E, Araya P, Nuñez NG, Lienenklas S, Jablonska J, Weiss S, Gatti G, Brinkmann MM, Kröger A, Morón G, Maccioni M. In Vivo Visualizing the IFN-beta Response Required for Tumor Growth Control in a Therapeutic Model of Polyadenylic-Polyuridylic Acid Administration. *J Immunol* 2016;196(6):2860-2869

Nuhn L, Vanparijs N, De Beuckelaer A, Lybaert L, Verstraete G, Deswarte K, Lienenklas S, Shukla NM, Salyer AC, Lambrecht BN, Grooten J, David SA, De Koker S, De Geest BG. pH-degradable imidazoquinoline-ligated nanogels for lymph node-focused immune activation. *Proc Natl Acad Sci U S A* 2016;113(29):8098-8103

Peschke K, Achleitner M, Frenzel K, Gerbaulet A, Ada SR, Zeller N, Lienenklas S, Lesche M, Poulet C, Naumann R, Dahl A, Ravens U, Günther C, Müller W, Knobeloch KP, Prinz M, Roers A, Behrendt R. Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. *J Immunol* 2016;197(6):2157-2166

Peuker K, Muff S, Wang J, Künzel S, Bosse E, Zeissig Y, Luzzi G, Basic M, Strigli A, Ulbricht A, Kaser A, Arlt A, Chavakis T, van den Brink GR, Schafmayer C, Egberts JH, Becker T, Bianchi ME, Bleich A, Röcken C, Hampe J, Schreiber S, Baines JF, Blumberg RS, Zeissig S. Epithelial calcineurin controls microbiota-dependent intestinal tumor development. *Nat Med* 2016;22(5):506-515

Pils MC, Dreckmann K, Jansson K, Glage S, Held N, Sommer W, Länger F, Avsar M, Warnecke G, Bleich A. Mortality Due to Porcine Reproductive and Respiratory Syndrome Virus in Immunocompromised Gottingen Minipigs (*Sus scrofa domestica*). *Comp Med* 2016;66(5):392-398

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenklas S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Rausch P, Basic M, Batra A, Bischoff SC, Blaut M, Clavel T, Gläsner J, Gopalakrishnan S, Grassl GA, Günther C, Haller D, Hirose M, Ibrahim S, Loh G, Mattner J, Nagel S, Pabst O, Schmidt F, Siegmund B, Strowig T, Volynets V, Wirtz S, Zeissig S, Zeissig Y, Bleich A, Baines JF. Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. *Int J Med Microbiol* 2016;306(5):343-355

Reinhardt A, Yevsa T, Worbs T, Lienenklaus S, Sandrock I, Oberdörfer L, Korn T, Weiss S, Förster R, Prinz I. Interleukin-23-Dependent gamma/delta T Cells Produce Interleukin-17 and Accumulate in the Enthesis, Aortic Valve, and Ciliary Body in Mice Arthritis Rheumatol 2016;68(10):2476-2486

Rojas SV, Meier M, Zweigerdt R, Eckardt D, Rathert C, Schecker N, Schmitto JD, Rojas-Hernandez S, Martin U, Kutschka I, Haverich A, Martens A. Multimodal Imaging for In Vivo Evaluation of Induced Pluripotent Stem Cells in a Murine Model of Heart Failure. Artif Organs 2016;DOI: 10.1111/aor.12728

Schäck LM, Buettner M, Wirth A, Neunaber C, Krettek C, Hoffmann A, Noack S. Expression of CD24 in Human Bone Marrow-Derived Mesenchymal Stromal Cells Is Regulated by TGFbeta3 and Induces a Myofibroblast-Like Genotype. Stem Cells Int 2016;2016:1319578

Zschemisch NH, Brüscher I, Hambusch AS, Bleich A. Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJ/Bir. PLoS One 2016;11(5):e0155821

### Übersichtsarbeiten

Buettner M, Lochner M. Development and Function of Secondary and Tertiary Lymphoid Organs in the Small Intestine and the Colon. Front Immunol 2016;7:342

## Institut für Virologie – 5230

### Originalpublikationen

Andzinski L, Spanier J, Kasnitz N, Kröger A, Jin L, Brinkmann MM, Kalinke U, Weiss S, Jablonska J, Lienenklaus S. Growing tumors induce a local STING dependent Type I IFN response in dendritic cells Int J Cancer 2016;139(6):1350-1357

Ashford P, Hernandez A, Greco TM, Buch A, Sodeik B, Cristea IM, Grünwald K, Shepherd A, Topf M. HVint: A Strategy for Identifying Novel Protein-Protein Interactions in Herpes Simplex Virus Type 1 Mol Cell Proteomics 2016;15(9):2939-2953

Behrendt P, Bremer B, Todt D, Brown RJ, Heim A, Manns MP, Steinmann E, Wedemeyer H. Hepatitis E Virus (HEV) ORF2 Antigen Levels Differentiate Between Acute and Chronic HEV Infection. J Infect Dis 2016;214(3):361-368

Borst EM, Bauerfeind R, Binz A, Stephan TM, Neuber S, Wagner K, Steinbrück L, Sodeik B, Lenac Roviš T, Jonjić S, Messerle M. The Essential Human Cytomegalovirus Proteins pUL77 and pUL93 Are Structural Components Necessary for Viral Genome Encapsidation J Virol 2016;90(13):5860-5875

Bröer S, Hage E, Käufer C, Gerhauser I, Anjum M, Li L, Baumgärtner W, Schulz TF, Löscher W. Viral mouse models of multiple sclerosis and epilepsy: Marked differences in neuropathogenesis following infection with two naturally occurring variants of Theiler's virus BeAn strain Neurobiol Dis 2016;99:121-132

Brunnemann AK, Liermann K, Deinhardt-Emmer S, Maschkowitz G, Pohlmann A, Sodeik B, Fickenscher H, Sauerbrei A, Krumbholz A. Recombinant herpes simplex virus type 1 strains with targeted mutations relevant for aciclovir susceptibility Sci Rep 2016;6:29903

Bubendorfer S, Krebes J, Yang I, Hage E, Schulz TF, Bahlawane C, Didelot X, Suerbaum S. Genome-wide analysis of chromosomal import patterns after natural transformation of Helicobacter pylori Nat Commun 2016;7:11995

Cabrera JR, Viejo-Borbolla A, Alcamí A, Wandosell F. Secreted herpes simplex virus-2 glycoprotein G alters thermal pain sensitivity by modifying NGF effects on TRPV1. J Neuroinflammation 2016;13(1):210

Callens N, Brügger B, Bonnafous P, Drobecq H, Gerl MJ, Krey T, Roman-Sosa G, Rümenapf T, Lambert O, Dubuisson J, Rouillé Y. Morphology and Molecular Composition of Purified Bovine Viral Diarrhea Virus Envelope. PLoS Pathog 2016;12(3):e1005476

Cowton VM, Angus AG, Cole SJ, Markopoulou CK, Owsiak A, Dunlop JL, Gardner DE, Krey T, Patel AH. Role of Conserved E2 Residue W420 in Receptor Binding and Hepatitis C Virus Infection. J Virol 2016;90(16):7456-7468

Dekhtiarenko I, Ratts RB, Blatnik R, Lee LN, Fischer S, Borkner L, Oduro JD, Marandu TF, Hoppe S, Ruzsics Z, Sonnemann JK, Mansouri M, Meyer C, Lemmermann NA, Holtappels R, Arens R, Kleneman P, Früh K, Reddehase MJ, Riemer AB, Cicin-Sain L. Peptide Processing Is Critical for T-Cell Memory Inflation and May Be Optimized to Improve Immune Protection by CMV-Based Vaccine Vectors. PLoS Pathog 2016;12(12):e1006072

Engelmann I, Coiteux V, Heim A, Magro L, Dewilde A, Dulery R, Hober D, Yakoub-Agha I. Severe Adenovirus Pneumonia Followed by Bacterial Septicaemia: Relevance of Co-Infections in Allogeneic Hematopoietic Stem Cell Transplantation. *Infect Disord Drug Targets* 2016;16(1):69-76

Gogol-Döring A, Ammar I, Gupta S, Bunse M, Miskey C, Chen W, Uckert W, Schulz TF, Izsvák Z, Ivics Z. Genome-wide Profiling Reveals Remarkable Parallels Between Insertion Site Selection Properties of the MLV Retrovirus and the piggyBac Transposon in Primary Human CD4(+) T Cells. *Mol Ther* 2016;24(3):592-606

Grützmeier S, Porwit A, Schmitt C, Sandström E, Åkerlund B, Ernberg I. Fulminant anaplastic large cell lymphoma (ALCL) concomitant with primary cytomegalovirus (CMV) infection, and human herpes virus 8 (HHV-8) infection together with Epstein-Barr-virus (EBV) reactivation in a patient with asymptomatic HIV-infection. *Infect Agent Cancer* 2016;11:46

Halle S, Keyser KA, Stahl FR, Busche A, Marquardt A, Zheng X, Galla M, Heissmeyer V, Heller K, Boelter J, Wagner K, Bischoff Y, Martens R, Braun A, Werth K, Uvarovskii A, Kempf H, Meyer-Hermann M, Arens R, Kremer M, Sutter G, Messerle M, Förster R. In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity. *Immunity* 2016;44(2):233-245

Heim A. Evaluation of the Procleix Ultrio Elite Assay and the Panther-System for Individual NAT Screening of Blood, Hematopoietic Stem Cell, Tissue and Organ Donors. *Transfus Med Hemother* 2016;43(3):177-182

Ivanova L, Buch A, Döhner K, Pohlmann A, Binz A, Prank U, Sandbaumüter M, Bauerfeind R, Sodeik B. Conserved Tryptophan Motifs in the Large Tegument Protein pUL36 Are Required for Efficient Secondary Envelopment of Herpes Simplex Virus Capsids. *J Virol* 2016;90(11):5368-5383

Kampers J, Orjuela-Grimm M, Schober T, Schulz TF, Stiefel M, Klein C, Körholz D, Mauz-Körholz C, Kreipe H, Beier R, Maecker-Kolhoff B. Classical Hodgkin lymphoma-type PTLD after solid organ transplantation in children: a report on 17 patients treated according to subsequent GPOH-HD treatment schedules. *Leuk Lymphoma* 2017;58(3):633-638

Keck ZY, Girard-Blanc C, Wang W, Lau P, Zuiani A, Rey FA, Krey T, Diamond MS, Foung SK. Antibody Response to Hypervariable Region 1 Interferes with Broadly Neutralizing Antibodies to Hepatitis C Virus. *J Virol* 2016;90(6):3112-3122

Kontny U, Franzen S, Behrends U, Bührlein M, Christiansen H, Delecluse H, Eble M, Feuchtinger T, Gademann G, Granzen B, Kratz CP, Lassay L, Leuschner I, Mottaghy FM, Schmitt C, Staatz G, Timmermann B, Vorwerk P, Wilop S, Wolff HA, Mertens R. Diagnose und Behandlung des Nasopharynxkarzinoms bei Kindern und Jugendlichen - Empfehlungen der GPOH-NPC Studiengruppe. *Klin Padiatr* 2016;228(3):105-112

Lenac Rovis T, Kucan Brlic P, Kaynan N, Juranic Lisnic V, Brizic I, Jordan S, Tomic A, Kvestak D, Babic M, Tsukerman P, Colonna M, Koszinowski U, Messerle M, Mandelboim O, Krmpotic A, Jonjic S. Inflammatory monocytes and NK cells play a crucial role in DNAM-1-dependent control of cytomegalovirus infection. *J Exp Med* 2016;213(9):1835-1850

Lipps C, Badar M, Butueva M, Dubich T, Singh VV, Rau S, Weber A, Kracht M, Köster M, May T, Schulz TF, Hauser H, Wirth D. Proliferation status defines functional properties of endothelial cells. *Cell Mol Life Sci* 2017;74(7):1319-1333

Martínez-Martín N, Viejo-Borbolla A, Alcami A. Herpes simplex virus particles interact with chemokines and enhance cell migration. *J Gen Virol* 2016;97(11):3007-3016

Nocera DA, Roselli E, Araya P, Nuñez NG, Lieneklaus S, Jablonska J, Weiss S, Gatti G, Brinkmann MM, Kröger A, Morón G, Maccioni M. In Vivo Visualizing the IFN-beta Response Required for Tumor Growth Control in a Therapeutic Model of Polyadenylic-Polyuridylic Acid Administration. *J Immunol* 2016;196(6):2860-2869

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lieneklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Schmidt JJ, Ramazan L, Bockemeyer C, Günter HH, Martens-Lobenhoffer J, Ganzenmüller T, Bode-Böger SM, Kielstein JT. Acute interstitial nephritis due to flecainide therapy in the 38(th) week of pregnancy. *BMC Nephrol* 2016;17:28

Schultze-Florey RE, Tischer S, Schwerk N, Heim A, Eiz-Vesper B, Maecker-Kolhoff B. Monitoring of adenovirus (ADV)-specific T cells in a boy with ADV pneumonia and disseminated disease after lung transplantation. *Transpl Infect Dis* 2016;18(5):756-760

Thiel N, Keyser KA, Lemmermann NA, Oduro JD, Wagner K, Elsner C, Halenius A, Lenac Roviš T, Brinkmann MM, Jonjić S, Cicin-Sain L, Messerle M. The Mouse Cytomegalovirus Gene m42 Targets Surface Expression of the Protein Tyrosine Phosphatase CD45 in Infected Macrophages PLoS Pathog 2016;12(12):e1006057

Tischer S, Geyreger R, Kwoczek J, Heim A, Figueiredo C, Blaszczyk R, Maecker-Kolhoff B, Eiz-Vesper B. Discovery of immunodominant T-cell epitopes reveals penton protein as a second immunodominant target in human adenovirus infection. J Transl Med 2016;14(1):286

Tomić A, Varanasi PR, Golemac M, Malić S, Riese P, Borst EM, Mischak-Weissinger E, Guzmán CA, Krmpotić A, Jonjić S, Messerle M. Activation of Innate and Adaptive Immunity by a Recombinant Human Cytomegalovirus Strain Expressing an NKG2D Ligand PLoS Pathog 2016;12(12):e1006015

Venturi V, Nzingga K, Amos TG, Charles WC, Dekhtiarenko I, Cicin-Sain L, Davenport MP, Rudd BD. The Neonatal CD8+ T Cell Repertoire Rapidly Diversifies during Persistent Viral Infection J Immunol 2016;196(4):1604-1616

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinnery PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study Acta Neuropathol 2016;132(3):433-451

Zannetti C, Roblot G, Charrier E, Ainouze M, Tout I, Briat F, Isorce N, Faure-Dupuy S, Michelet M, Marotel M, Kati S, Schulz TF, Rivoire M, Traverse-Glehen A, Luangsay S, Alatiff O, Henry T, Walzer T, Durantel D, Hasan U. Characterization of the Inflammasome in Human Kupffer Cells in Response to Synthetic Agonists and Pathogens J Immunol 2016;197(1):356-367

Zhang G, Chan B, Samarina N, Abere B, Weidner-Glunde M, Buch A, Pich A, Brinkmann MM, Schulz TF. Cytoplasmic isoforms of Kaposi sarcoma herpesvirus LANA recruit and antagonize the innate immune DNA sensor cGAS. Proc Natl Acad Sci U S A 2016;113(8):E1034-E1043

### **Übersichtsarbeiten**

Abere B, Schulz TF. KSHV non-structural membrane proteins involved in the activation of intracellular signaling pathways and the pathogenesis of Kaposi's sarcoma Curr Opin Virol 2016;20:11-19

González-Motos V, Kropp KA, Viejo-Borbolla A. Chemokine binding proteins: An immunomodulatory strategy going viral. Cytokine Growth Factor Rev 2016;30:71-80

Vogt C, Bohne J. The KSHV RNA regulator ORF57: target specificity and its role in the viral life cycle. Wiley Interdiscip Rev RNA 2016;7(2):173-185

### **Buchbeiträge, Monografien**

Backovic M, Krey T. Stable Drosophila Cell Lines: An Alternative Approach to Exogenous Protein Expression. Methods Mol Biol 2016;1350:349-358

Ganzenmüller T, Puppe W. Parvoviren. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 537-540

Glowacka I. Flaviviren. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 467-473

Glowacka I. Tollwutvirus. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 497-500

Heim A, Ziesing S, Vonberg RP. Klinische Diagnostik und Probennahme. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 123-130

Pöhlmann S, Schmitt C. Orthomyxoviren: Influenza. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 483-487

Schmitt C. Prionen. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 597-600

Schmitt C. Rötelnvirus. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin, Heidelberg: Springer, 2016. (Springer-Lehrbuch). S. 475-478

Ziesing S, Heim A, Vonberg RP. Methoden der mikrobiologischen Diagnostik. In: Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF [Hrsg.]: Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. (Springer-Lehrbuch). S. 131-150

#### **Herausgeberschaften**

Suerbaum S, Burchard GD, Kaufmann SHE, Schulz TF. Medizinische Mikrobiologie und Infektiologie. 8., überarbeitete und erweiterte Auflage. Berlin: Springer, 2016. XXXVII, 954 Seiten. (Springer-Lehrbuch)

#### **Promotionen**

Elbasani, Endrit (PhD M. Med. Sc.): Characteristics of the polymorphic UL11 and UL6 proteins encoded by the human cytomegalovirus  
MHH-Signatur: D 80532

Goncalves Magalhaes, Vladimir (Dr. rer. nat.): Identification and characterization of the MCMV-encoded M35 protein as a novel innate immunity evasin  
MHH-Signatur: D 80636

Hinz, Angelika Marianne (Dipl. Biol. Dr. rer. nat.): Cytosolic restriction factors of incoming HSV1  
MHH-Signatur: D 80533

Ivanova, Lyudmila Lyubomirova (PhD Virology M.Sc. Biology): The role of tryptophan motifs in the inner tegument protein pUL36 of herpes simplex virus type 1  
MHH-Signatur: D 80175

Murthy, Sripriya (Dr. rer. nat.): Detection of murine herpesvirus 68 by the innate immune system and studies on *Mus musculus* rhabdovirus 1 in its natural host  
MHH-Signatur: D 80639

Ramke, Mirja (Dr. med.): Charakterisierung des Gewebetropismus und der Virulenz von humanen Adenoviren in porcinen Zellkulturmödellen der Keratoconjunctivitis Epidemica  
MHH-Signatur: D 80462

Schulte, Björn (Dr. rer. nat. M.Sc.Biology): Study of Hepatitis C Virus quasispecies dynamics in the course of acute and chronic infection by next-generation sequencing of the full viral open reading frame  
MHH-Signatur: D 80181

Tomic, Adriana (Dr. rer. nat.): Development of a live attenuated human cytomegalovirus vaccine strain  
MHH-Signatur: D 80666

Zhang, Guigen (PhD Virology): Cytoplasmic isoforms of Kaposi's sarcoma-associated herpesvirus latency-associated nuclear antigen recruit and antagonize the innate immune DNA sensor cGAS  
MHH-Signatur: D 80160

Zischke, Jasmin (Dr. rer. nat. M.Sc. Biomedicine): Human cytomegalovirus-mediated immunoregulation the viral protein UL11 modulates T cell functions  
MHH-Signatur: D 80182

#### **Masterarbeiten**

Strauß, Jannik (M.Sc.): Expression, Purification and Crystallisation of the Transcriptional Activator RTA of the Kaposi's Sarcoma-Associated Herpesvirus (KSHV)

#### **Bachelorarbeit**

Jürgens, Carina (B.Sc.): Expression, purification and characterization of varicella zoster virus (VZV) glycoprotein C (gC) and generation of recombinant VZV with modified gC using en passant mutagenesis : Attempts for functional and structural characterization

Luther, Sophia Elisabeth (B.Sc.): Characterization of Herpes Simplex Virus Mutants generated using the Bacterial Artificial Chromosome Technique

Reinhardt, Justus (B.Sc.): Generation of a Cation-independent Mannose-6-phosphate Receptor Deficient Cell Line by CRISPR/Cas9 to Produce Varicella zoster Cell-free Virus

# Zentrum Öffentliche Gesundheitspflege

## Institut für Epidemiologie, Sozialmedizin und Gesundheitssystemforschung – 5410

### Originalpublikationen

Andrade S, Bartels DB, Lange R, Sandford L, Gurwitz J. Safety of metamizole: a systematic review of the literature. *J Clin Pharm Ther* 2016;41(5):459-477

Bauer E, Kleine-Budde K, Stegbauer C, Kaufmann-Kolle P, Goetz K, Bestmann B, Szecsenyi J, Bramesfeld A. Structures and processes necessary for providing effective home treatment to severely mentally ill persons: a naturalistic study. *BMC Psychiatry* 2016;16:242

Baumann W, Farin E, Menzel-Begemann A, Meyer T. Memorandum IV: Theoretische und normative Fundierung der Versorgungsforschung. *Gesundheitswesen* 2016;78(5):337-352

Becker H, Stahmeyer JT, Manns MP, Krauth C, Cornberg M. Veränderungen der Laboranforderungen zur Diagnostik von Virushepatitiden unter Fortentwicklung von Leitlinien *Z Gastroenterol* 2017;55(1):32-38

Bert F, Rindermann A, Abdelfattah MA, Stahmeyer JT, Rossol S. High prevalence of chronic hepatitis B and C virus infection in a population of a German metropolitan area: a prospective survey including 10 215 patients of an interdisciplinary emergency unit. *Eur J Gastroenterol Hepatol* 2016;28(11):1246-1252

Bert F, Stahmeyer JT, Rossol S. Ultrasound Elastography Used for Preventive Non-Invasive Screening in Early Detection of Liver Fibrosis. *J Clin Med Res* 2016;8(9):650-655

Bramesfeld A, Amaddeo F, Caldas-de-Almeida J, Cardoso G, Depaigne-Loth A, Derenne R, Donisi V, Jorgensen M, Lindelius B, Lora A, Mainz J, Mulder CL, Szecsenyi J, Killaspy H. Monitoring mental healthcare on a system level: Country profiles and status from EU countries. *Health Policy* 2016;120(6):706-717

Bramesfeld A, Stegbauer C. Assessing the performance of mental health service facilities for meeting patient priorities and health service responsiveness *Epidemiol Psychiatr Sci* 2016;25(5):417-421

Bramesfeld A, Wensing M, Bartels P, Bobzin H, Grenier C, Heugren M, Hirschfield DJ, Langenegger M, Lindelius B, Lucet B, Manor O, Schneider T, Wardell F, Szecsenyi J. Mandatory national quality improvement systems using indicators: An initial assessment in Europe and Israel. *Health Policy* 2016;120(11):1256-1269

Dierks ML, Lander J, Seidel G. Patienten wissen 'vor Ort' verbessern - Erfahrungen aus der Patientenuniversität an der Medizinischen Hochschule Hannover. *Blickpunkte : Mensch, Gesellschaft, Sicherheit* 2016(1):12-16

Gerhardus A, Becher H, Groenewegen P, Mansmann U, Meyer T, Pfaff H, Puhan M, Razum O, Rehfuss E, Sauerborn R, Strech D, Wissing F, Zeeb H, Hummers-Pradier E. Applying for, reviewing and funding public health research in Germany and beyond. *Health Res Policy Syst* 2016;14(1):43

Hartmann J, Jacobs S, Eberhard S, von Lengerke T, Amelung V. Analysing predictors for future high-cost patients using German SHI data to identify starting points for prevention. *Eur J Public Health* 2016;26(4):549-555

Huisman MV, Ma CS, Diener HC, Dubner SJ, Halperin JL, Rothman KJ, Teutsch C, Schoof N, Kleine E, Bartels DB, Lip GY, GLORIA-AF Investigators. Antithrombotic therapy use in patients with atrial fibrillation before the era of non-vitamin K antagonist oral anticoagulants: the Global Registry on Long-Term Oral Antithrombotic Treatment in Patients with Atrial Fibrillation (GLORIA-AF) Phase I cohort *Europace* 2016;18(9):1308-1318

Illiger K, Walter U, Koppelin F. Alleine Leben mit Demenz? Aktuelle Versorgungsstrategien der Politik. *Public Health Forum* 2016;24(2):115-117

Kiekens C, Meyer T, Gimigliano F, Baffone C, Gutenbrunner CM, UEMS PRM ICF workshop moderators and rapporteurs. European initiative for the application of the International Classification of Service Organization in Health-related Rehabilitation (ICSO-R) *Eur J Phys Rehabil Med* 2016

Kleineke VE, Menzel-Begemann A, Wild B, Meyer T. Umweltfaktoren und Teilhabeforderung. Die Perspektive der medizinischen Rehabilitation. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(9):1139-1146

Klose K, Kreimeier S, Tangermann U, Aumann I, Damm K, RHO Group. Patient- and person-reports on healthcare: preferences, outcomes, experiences, and satisfaction - an essay. *Health Econ Rev* 2016;6(1):18

Krauth C, Liersch S, Jensen S, Amelung VE. Would German physicians opt for pay-for-performance programs? A willingness-to-accept experiment in a large general practitioners' sample. *Health Policy* 2016;120(2):148-158

Kremeike K, Mohr A, Kampschulte R, Bergmann J, Beil S, Neuhaus U, Dierks ML, Driftmann C, Duhr A, Groeneveld S, Kaspar M, Kowollik G, Miest HH, Schene I, Reinhardt D. Netzwerk für onkologische Fachberatung (NOF) - Modellprojekt für (Langzeit-) Nachsorge nach einer Krebskrankung im Kindes- und Jugendalter. *Klin Padiatr* 2016;228(6-7):325-331

Kula A, Wiedel C, Walter U. Wirksamkeit kombinierter Interventionen zur Prävention von Übergewicht bei Kindern und Jugendlichen : Ein systematisches Review *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(11):1432-1442

Leniger T, Brandes I, Heßling A. Der MSFC bei der Erwerbsprognose von Rehabilitanden mit Multipler Sklerose. *Akt Neurol* 2016;47(5):293-297

Neamtiu L, Deandrea S, Pylkkänen L, Freeman C, Lopez Alcalde J, Bramesfeld A, Saz-Parkinson Z, Ulutürk A, Lerda D. Psycho-oncological support for breast cancer patients: A brief overview of breast cancer services certification schemes and national health policies in Europe. *Breast* 2016;29:178-180

Ortmann O, Rösler W, Helbig U, participants of the ERTM. Current developments in cancer care: including the patients' perspective-3rd European Roundtable Meeting (ERTM) June 17, 2016, Berlin, Germany *J Cancer Res Clin Oncol* 2017;143(4):673-676

Pape N, Sterdt E, Azouagh K, Kramer S, Walter U, Urban M, Werning R. Potentials of physical activity promotion in preschools – an overview of results of an ethnographic observation. *European Early Childhood Education Research Journal* 2016;24(4):581-591

Patzelt C, Heim S, Deitermann B, Theile G, Krauth C, Hummers-Pradier E, Walter U. Reaching the Elderly: Understanding of health and preventive experiences for a tailored approach - Results of a qualitative study. *BMC Geriatr* 2016;16(1):210

Pigeot I, Walter U. Unsere Kinder: Die Zukunft ist fett : Verlieren wir den Kampf gegen den Speck? *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(11):1369-1371

Plaumann M, Trenker M, Walter U. Burnout – Einigkeit im Empfinden und Unklarheit im Konzept. *Public Health Forum* 2016;24(2):108-111

Rosol S, Stahmeyer JT. Behandlungsdauer und Kosteneffizienz der Interferon-freien Hepatitis-C-Therapie. *Kompendium Gastroenterologie* 2016;12(1):7-15

Rossol S, Bert F, Stahmeyer JT, Krauth C. Hepatitis C - Ein Problem für Individuum und Gesellschaft. *DZKF* 2016;2:27-34

Rossol S, Bert F, Stahmeyer JT, Krauth C. Hepatitis C - Ein Problem für Individuum und Gesellschaft. *CMExtra* 2016;2:36-43

Ruof J, Staab T, Dintsiros CM, Schröter J, Schwartz FW. Comparison of post-authorisation measures from regulatory authorities with additional evidence requirements from the HTA body in Germany - are additional data requirements by the Federal Joint Committee justified? *Health Econ Rev* 2016;6(1):46

Ruppert D, Stegbauer C, Bramesfeld A, Bestmann B, Szecsenyi J, Götz K. „Die Hoffnung stirbt zuletzt ...“ – sektorenübergreifende Kooperation in der Integrierten Versorgung. *Psychiat Prax* 2017;44(3):134-140

Schoeppe S, Liersch S, Röbl M, Krauth C, Walter U. Mothers and Fathers Both Matter: The Positive Influence of Parental Physical Activity Modelling on Children's Leisure-Time Physical Activity. *Pediatr Exerc Sci* 2016;28(3):466-472

Schrem H, Focken M, Gunson B, Reichert B, Mirza D, Kreipe HH, Neil D, Kaltenborn A, Goldis A, Krauth C, Roberts K, Becker T, Klempnauer J, Neuberger J. The new liver allocation score for transplantation is validated and improved transplant survival benefit in Germany but not in the United Kingdom *Liver Transpl* 2016;22(6):743-756

Schrem H, Schneider V, Kurok M, Goldis A, Dreier M, Kaltenborn A, Gwinner W, Barthold M, Liebeneiner J, Winny M, Klempnauer J, Kleine M. Independent Pre-Transplant Recipient Cancer Risk Factors after Kidney Transplantation and the Utility of G-Chart Analysis for Clinical Process Control *PLoS One* 2016;11(7):e0158732

Seeger JD, Bykov K, Bartels DB, Huybrechts K, Schneeweiss S. Propensity Score Weighting Compared to Matching in a Study of Dabigatran and Warfarin. *Drug Saf* 2017;40(2):169-181

Seidel G, Kaiser B, Lander J, Dierks ML. The Hannover Patient University: Advanced Mini-Med School concept and evaluation results. *Health Education Journal* 2016;76(1):38-51

Seidel G, Weithe V, Dierks ML. Nutzen interaktiver Gesundheitsbildung. *Präv Gesundheitsf* 2016;11(2):117-125

Staab T, Isbary G, Amelung VE, Ruof J. Inconsistent approaches of the G-BA regarding acceptance of primary study endpoints as being relevant to patients - an analysis of three disease areas: oncological, metabolic, and infectious diseases. *BMC Health Serv Res* 2016;16(1):651

Stahmeyer JT, Rossol S, Bert F, Böker KH, Bruch HR, Eisenbach C, Link R, John C, Mauss S, Heyne R, Schott E, Pfeiffer-Vornkahl H, Hüppé D, Krauth C. Outcomes and Costs of Treating Hepatitis C Patients in the Era of First Generation Protease Inhibitors - Results from the PAN Study. *PLoS One* 2016;11(7):e0159976

Stahmeyer JT, Rossol S, Bert F, Liersch S, Krauth C. Kosten einer leitliniengerechten Versorgung von Hepatitis-C-Patienten im Zeitalter Interferon-freier Therapien. *Z Gastroenterol* 2016;54(8):760-769

Tangermann U, Kleij KS, Krauth C, Amelung VE. Identifikation schwer zu versorgender Regionen in der hausärztlichen Versorgung am Beispiel von Niedersachsen. *ZFA* 2016;92(4):161-166

Tangermann U, Kleij KS, Krauth C, Amelung VE. Identifikation von schwer zu versorgenden Regionen in der hausärztlichen Versorgung - welche Faktoren müssen wir berücksichtigen? *Public Health Forum* 2016;24(1):42-44

Tangermann U, Kleij KS, Krauth C, Amelung VE. Sicherstellung der medizinischen Versorgung: Patienten sind offen für Neues. *Dtsch Arztebl* 2016;113(45):A2024

Tascilar K, Azoulay L, Dell'Aniello S, Bartels DB, Suissa S. The Use of Telmisartan and the Incidence of Cancer. *Am J Hypertens* 2016;29(12):1358-1365

Urbanski D, Hahn U, Gerstmeyer K, Püschnner F, Amelung VE. Das Belegarztwesen: Eine Einschätzung aus dem Blickwinkel von Arzt und Krankenhaus am Beispiel der Augenheilkunde. *Monitor Versorgungsforschung* 2016(2):45-51

Valentini J, Ruppert D, Magez J, Stegbauer C, Bramesfeld A, Goetz K. Integrated care in German mental health services as benefit for relatives--a qualitative study. *BMC Psychiatry* 2016;16:48

Walter U, Pigeot I. Universelle Programme zur Primärprävention kindlichen Übergewichts : Ein Überblick. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(11):1372-1384

Walter U, Volkenand K. Kommunale Prävention und Gesundheitsförderung in Deutschland: Pflichten, Rechte und Potenziale im Kontext der kommunalen Daseinsvorsorge. *Gesundheitswesen* 2017;79(4):229-237

Waschki B, Kirsten AM, Holz O, Meyer T, Lichtinghagen R, Rabe KF, Magnussen H, Welte T, Watz H, Janciauskienė S. Angiopoietin-like protein 4 and cardiovascular function in COPD *BMJ Open Respir Res* 2016;3(1):e000161

#### **Letter**

Negrini S, Kiekens C, Levack W, Grubisic F, Gimigliano F, Ilieva E, Thorsten M. Cochrane physical and rehabilitation medicine: A new field to bridge between best evidence and the specific needs of our field of competence. *Man Ther* 2016;26:vii-viii

#### **Buchbeiträge, Monografien**

Dierks ML, Kaiser B. Gesundheitskompetenz in der Transition. In: Oldhafer M, Berlien HP [Hrsg.]: *Transitionsmedizin : multiprofessionelle Begleitung junger Erwachsener mit chronischer Krankheit*. Stuttgart: Schattauer, 2016. S. 189-195

Dierks ML, Seidel G. Erhöhung der Gesundheitskompetenz durch interaktive Formen der Gesundheitsbildung - Konzept und Erfahrungen der Patientenuniversität an der Medizinischen Hochschule Hannover (MHH). In: Schaeffer D, Pelikan JM, Bauer U [Hrsg.]: *Health Literacy : Forschungsstand und Perspektiven*. 1. Auflage. Bern: Hogrefe, 2017. S. 289-302

Dreier M, Krüger K, Walter U. Die Darmspiegelung zur Früherkennung von Darmkrebs - Erfahrungen und Informationsbedürfnisse der Versicherten. In: Böcken J, Braun B, Meier-Jürgen R [Hrsg.]: *Gesundheitsmonitor 2016 - Bürgerorientierung im Gesundheitswesen*. 1. Aufl. Gütersloh: Verlag Bertelsmann Stiftung, 2016. S. 222-252

Harries L, Schrem H, Krauth C, Amelung VE. Behandlungswege in der Transplantationsmedizin - Herausforderungen bei der Bewältigung von ambulanten und stationären Schnittstellen. In: Klauber J, Geraedts M, Friedrich J, Wasem J, Amelung VE [Hrsg.]: Schwerpunkt: Ambulant im Krankenhaus. Stuttgart: Schattauer, 2016. S. 181-193

Kofahl C, Nickel S, Werner S, Weber J, Seidel G. Kooperationen und Beteiligung. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 133-158

Kofahl C, Seidel G, Weber J, Werner S, Nickel S. Inanspruchnahme und Bedarfe von Selbsthilfeunterstützungsleistungen für Selbsthilfegruppen und -organisationen. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 113-132

Kofahl C, Seidel G, Weber J, Werner S, Nickel S. Strukturen und Prozesse bei Selbsthilfegruppen und -organisationen. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 83-112

Köhne A. Selbstmanagementprogramme für Menschen mit chronischen Krankheiten - Wirkungen aus der Perspektive der Teilnehmer. München: GRIN Verlag, 2016. 154 S. (Patientenorientierung und Gesundheitskompetenz ; Band 14)

Kuhn B, Amelung VE. Kapitel 4 - Gesundheits-Apps und besondere Herausforderungen. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 100-114

Liersch S. Gesundheitsökonomische Bewertung von Präventionsmaßnahmen : eine Markov-Modellierung zur Analyse der Kosten-Effektivität juveniler Bewegungsförderung. 1. Auflage. Wiesbaden: Springer Gabler, 2016. XX, 280 S.

Lutze B, Chaberny IF, Graf K, Krauth C, Lange K, Schwadtke L, Stahmeyer J, von Lengerke T. Risiko - im Griff? Ergebnisse des PSYGIENE-Projekts zur Motivationslage bezüglich der eigenen hygienischen Händedesinfektion bei Ärzten und Pflegekräften der Intensivmedizin. In: Ingensiep HW, Popp W [Hrsg.]: Hygiene-Aufklärung im Spannungsfeld zwischen Medizin und Gesellschaft. München: Verlag Karl Alber, 2016. (Lebenswissenschaften im Dialog ; 23). S. 57-66

Nickel S, Seidel G, Weber J, Dierks ML, Werner S, Kofahl C. Entwicklungen und Bedarfe der Selbsthilfe und Selbsthilfeunterstützung aus der Perspektive der Selbsthilfeunterstützungseinrichtungen. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 159-179

Nickel S, Seidel G, Weber J, Kofahl C, Werner S. Erfolge und Wirkungen aus Sicht der Selbsthilfegruppen und Selbsthilfeorganisationen. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 181-190

Richter U, Reichert A, Urbanski D, Scholz S, Amelung VE. Homecare : die Rolle der Hausärzte im Entlassmanagement. Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft, 2017. 101 S.

Rutz M, Kühn D, Dierks ML. Kapitel 5 - Gesundheits-Apps und Prävention. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 116-135

Rutz M, Kühn D, Dierks ML. Kapitel 6 - Gesundheits-Apps und Diagnostik & Therapie. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 139-159

Seidel G, Dierks ML. Organisationstypen in der Selbsthilfe. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 191-223

Seidel G, Weber J, Dierks ML. Qualitatives Studiendesign und Auswahl der Akteure. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 69-80

Seidel G, Weber J, Dierks ML. Selbsthilfe in Deutschland aus der Perspektive von Stakeholdern. In: Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. (Medizinsoziologie ; 24). S. 225-246

Walter U, Brandes I. Gesundheitsförderung im Setting Betrieb - Hemmnisse und förderliche Faktoren bei der Erreichung der Mitarbeiter. In: Knieps F, Pfaff H [Hrsg.]: Gesundheit und Arbeit : Zahlen, Daten, Fakten. 1. Auflage. Berlin: MWV Medizinisch Wissenschaftliche Verlagsgesellschaft, 2016. (BKK Gesundheitsreport ; 2016). S. 212-221

## **Herausgeberschaften**

Amelung VE, Binder S, Bertram N, Chase DP, Urbanski D [Hrsg.]: Die elektronische Patientenakte Fundament einer effektiven und effizienten Gesundheitsversorgung. Heidelberg: medhochzwei Verlag, 2017. XII, 123 S.

Bramesfeld A, Ambrosio M, Deandrea S, Gusmeroli G, Alcalde JL, Neamtiu L, Pylkkänen L, Saz-Parkinson Z, Ulutürk A, Lerda D [Hrsg.]: The European Commission Initiative on Breast Cancer (ECIBC): Plenary 2015. Improving breast cancer screening, diagnosis and care in Europe. Luxembourg: Publications Office of the European Union, 2016. 72 S. (JRC Conference and Workshop Reports)

Deandrea S, Alcalde JL, Bramesfeld A, Gusmeroli C, Neamtiu L, Pylkkänen L, Saz-Parkinson Z, Ulutürk A [Hrsg.]: The European Commission Initiative on Breast Cancer (ECIBC): 2015 working groups meetings : guidelines development group and quality assurance scheme development group. Luxembourg: Publications Office of the European Union, 2016. 33 S. (JRC Conference and Workshop Reports)

Kofahl C, Schulz-Nieswandt F, Dierks ML [Hrsg.]: Selbsthilfe und Selbsthilfeunterstützung in Deutschland. Berlin: Lit, 2016. 351 S. (Medizinsoziologie ; 24)

Neamtiu L, Bramesfeld A, Deandrea S, Lerda D, Lopez-Alcalde J, Pyllkanen L, Saz-Parkinson Z, Uluturk A [Hrsg.]: European Commission initiative on breast cancer - ECIBC. Organisation of project guiding and support meetings report 2015. Luxembourg: Publications Office of the European Union, 2016. 28 S. (JRC Technical Reports)

Saz-Parkinson Z, Neamtiu L, Bramesfeld A, Deandrea S, Alcalde JL, Pylkkänen L, Ulutürk A, Lerda D [Hrsg.]: The European Commission Initiative on Breast Cancer (ECIBC): Putting Science into Standards: evidence-based quality assurance - an example for breast cancer. Ispra: Publications Office of the European Union, 2016. 58 S. (JRC Conference and Workshop Reports)

## **Promotionen**

B.Kurt, Serap (Dr. PH): Demenz und unversorgt? Unterstützungsbedarf dementer türkischer Migranten und ihrer pflegenden Angehörigen im Kontrast zu aktuellen und zukünftigen Versorgungskonzepten ambulanter und stationärer Einrichtungen in Hannover  
MHH-Signatur: D 80409

Bedke, Judith (Dr. med.): Die Patientenuniversität der medizinischen Hochschule Hannover eine Evaluation der Veranstaltungsreihen "Gesundheitsbildung für Jedermann" aus den Jahren 2007 bis 2009 : Unterschiede in der Bewertung des Angebotes vor dem Hintergrund der soziodemographischen Charakteristika und des Gesundheitszustandes mit Fokussierung auf die Krankheitslast der Teilnehmenden  
MHH-Signatur: D 80469

Bethge, Susanne (Dr. PH): Die Bedeutung des Kommunikators auf die Wahlentscheidung für ein integriertes Versorgungsprogramm eine vergleichende Präferenzanalyse mittels Discrete Choice Experiment  
MHH-Signatur: D 80402

Klindtworth, Katharina (Dr. PH): Versorgungssituation und Bedürfnisse am Lebensende Perspektiven von älteren Patienten und Patientinnen mit schwerer Herzinsuffizienz und ihren Angehörigen  
MHH-Signatur: D 80450

Nitzschke, Petra (Dr. med.): Das postgraduale Public Health-Studium an der Medizinischen Hochschule Hannover - eine berufliche Weiterentwicklung aus Sicht der Absolventen?  
MHH-Signatur: D 80401

Raupach-Rosin, Heike (Dr. med.): Die Versorgung und Lebensqualität MRSA positiver Patientinnen und Patienten im ambulanten Sektor aus der Sicht von MRSA-Trägerinnen und -Trägern und von im Gesundheitswesen Beschäftigten eine Mixed-Methods Studie mit "Knowledge, Attitude and Practice" (KAP)-Survey und Fokusgruppen  
MHH-Signatur: D 80671

Santos-Hövener, Claudia (Dr. PH): HIV und Hepatitiden bei in Hamburg lebenden Migrantinnen und Migranten aus Subsahara-Afrika Informationsbedarfe, Risikoverhalten und Präventionsbedarfe : eine partizipative Studie  
MHH-Signatur: D 80634

## **Masterarbeiten**

Binder, S. (M.Sc.): Diagnoseverzögerung bei Endometriose - Eine Analyse aus Public Health Perspektive

Heßmann, P. (M.Sc.): Gesundheitsbezogene Lebensqualität bei Alzheimer-Demenz - Analyse von Unterschieden in der Eigen- und Fremdbeurteilung.

Knoop, T. (M.Sc.): Soziale Arbeit in der medizinischen Rehabilitation – Eine Re-Analyse von Qualitätssicherungsdaten

Köhne, A. (M.Sc.): Selbstmanagement-Programme für Menschen mit chronischen Krankheiten - Wirkungen aus der Perspektive der Teilnehmer.

Komainda, N. (M.Sc.): Krankheitsspezifische ethische Aspekte bei Interventionen mit Gesundheitswesen für Kinder und Jugendliche mit Übergewicht bzw. Adipositas und dessen Bedeutung im Handlungsbereich von Public Health. Eine systematische Literaturanalyse.

Koser, M. (M.Sc.): Einsparungspotenziale aus gesellschaftlicher Sicht durch die Erbringung stationsersetzender Maßnahmen nach § 115b SGB V im Krankenhaus.

Kruckenberg, B. (M.Sc.): Einfluss von Endometriose auf das Thema Kinderwunsch im Leben betroffener Frauen - Analyse auf Basis der Freitextangaben einer Online-Befragung.

Kula, A. (M.Sc.): Ermittlung der Effekte integrierter Interventionen in den Bereichen Ernährung, Bewegung und Lebenskompetenz bei Kindern im Alter von drei bis sechs Jahren - Ein systematisches Review.

Maaß, W. (M.Sc.): Merkmale der Kommunikation und Interaktion im Rahmen von Online-Diskussion zur partizipativen Weiterentwicklung von reha-Therapiestandards der deutschen Rentenversicherung

Meyer, S. (M.Sc.): Soziodemographische Risikofaktoren für eine Passivrauchexposition - Ergebnisse der Studie Gesundheit aktuell in Deutschland

Overesch, I. (M.Sc.): Die körperliche Aktivität Erwachsener mit und ohne Migrationshintergrund

Röbbel, L. (M.Sc.): Inzidenz, Risikofaktoren und Impfverhalten in Bezug auf die Influenza im Winter 2014/2015 - eine Datenanalyse anhand eines niedersächsischen Online-Panels zu Hygienepraktiken und Infektionsprävention

Söling, Sara (MPH): Transparenzmechanismen im Arzt-Patienten-Verhältnis – rechtliche und ethische Anforderungen bei der Bewertung von Kindeswohlgefährdung aus Perspektive der Ärzte

Strudthoff, S. M. (M.Sc.): Analyse einer Gesundheitsbefragung zur Ableitung zielorientierter Handlungsempfehlungen hinsichtlich der Ausrichtung betrieblicher Gesundheitsförderungsmaßnahmen in zwei Tochtergesellschaften eines norddeutschen

Trautmann, R. (M.Sc.): Nutzen der Patientenuniversität der Medizinischen Hochschule Hannover aus Perspektive der Teilnehmer

Trenker, M. (MPH): Der Einfluss der informierten Entscheidung auf die Inanspruchnahme von Krebsfrüherkennungsuntersuchungen. Ein systematischer Review

Vanheiden, T. (M.Sc.): Möglichkeiten der Gesundheitsförderung von Heimbewohnern in vollstationären Dauerpflegeeinrichtungen aus Sicht der Bewohnerinnen und Bewohner sowie aus Sicht der Leitungsebene

Wiedel, C. (M.Sc.): Wirksamkeit integrierter Ansätze zur Prävention bei jungen Erwachsenen - Ein systematischer Review.

## Institut für Geschichte, Ethik und Philosophie der Medizin – 5450

### Originalpublikationen

Babitsch B, Geene R, Hassel H, Kliche T, Bacchetta B, Baltes S, Nold S, Rosenfeldt D, SkAP-Konsortium. Kriterienkatalog zur Systematisierung konzeptioneller Ansätze in der universellen Prävention von Kinderübergewicht : Methodische Vorgehensweise und erste Ergebnisse. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2016;59(11):1415-1422

Chin WW, Joos A. Moving toward a paradigm shift in the regulatory requirements for pediatric medicines. Eur J Pediatr 2016;175(12):1881-1891

Chin WW, Wieschowski S, Prokein J, Illig T, Strech D. Ethics Reporting in Biospecimen and Genetic Research: Current Practice and Suggestions for Changes. PLoS Biol 2016;14(8):e1002521

Gerhardus A, Becher H, Groenewegen P, Mansmann U, Meyer T, Pfaff H, Puhan M, Razum O, Rehfuss E, Sauerborn R, Strech D, Wissing F, Zeeb H, Hummers-Pradier E. Applying for, reviewing and funding public health research in Germany and beyond. *Health Res Policy Syst* 2016;14(1):43

Hainz T, Bossert S, Strech D. Collective agency and the concept of 'public' in public involvement: A practice-oriented analysis. *BMC Med Ethics* 2016;17:1

Indefrey S, Neitzke G. Kommentar I zum Fall Einmal Schrittmacher – immer Schrittmacher? *Ethik Med* 2016;28(4):329-331

Kahrrass H, Strech D, Mertz M. The Full Spectrum of Clinical Ethical Issues in Kidney Failure. Findings of a Systematic Qualitative Review. *PLoS One* 2016;11(3):e0149357

Lander J, Hainz T, Hirschberg I, Bossert S, Strech D. Do Public Involvement Activities in Biomedical Research and Innovation Recruit Representative? A Systematic Qualitative Review. *Public Health Genomics* 2016;19(4):193-202

Langhof H, Kahrrass H, Sievers S, Strech D. Access policies in biobank research: what criteria do they include and how publicly available are they? A cross-sectional study. *Eur J Hum Genet* 2017;25(3):293-300

Langhof H, Lander J, Strech D. Input analysis for two public consultations on the EU Clinical Trials Regulation. *Health Res Policy Syst* 2016;14(1):69

Mertz M, Kahrrass H, Strech D. Current state of ethics literature synthesis: a systematic review of reviews. *BMC Med* 2016;14(1):152

Neitzke G, Burchardi H, Dutte G, Hartog C, Erchinger R, Gretenkort P, Michalsen A, Mohr M, Nauck F, Salomon F, Stopfkuchen H, Weiler N, Janssens U. Grenzen der Sinnhaftigkeit von Intensivmedizin. *Med Klin Intensivmed Notfmed* 2016;111(6):486-492

Neitzke G, Oppermann B. Wunscherfüllende Zahnmedizin: die Indikation als Grundlage zahnärztlichen Handelns. *Ethik Med* 2017;29(1):41-52

Neitzke G. ACP: entstehende Interessenkonflikte beachten. *Bioethica-Forum* 2016;9(3):115-116

Pless A, Shaw D, McLennan S, Elger B. Nurses' Attitudes towards Enforced Measures to Increase Influenza Vaccination: a Qualitative Study. *Influenza Other Respir Viruses* 2017;11(3):247-253

Streich D, Bein S, Brumhard M, Eisenmenger W, Glinicke C, Herbst T, Jahns R, von Kielmansegg S, Schmidt G, Taupitz J, Tröger HD. A template for broad consent in biobank research. Results and explanation of an evidence and consensus-based development process. *Eur J Med Genet* 2016;59(6-7):295-309

Streich D, Littmann J. The contribution and attitudes of research ethics committees to complete registration and non-selective reporting of clinical trials: A European survey. *Research ethics* 2016;12(3):123-136

Veshi D, Neitzke G. Council of Europe: Guide on the decision-making process regarding medical treatment in end-of-life situations. *Med Law Int* 2016;16(1-2):94-102

Wieschowski S, Silva DS, Strech D. Animal Study Registries: Results from a Stakeholder Analysis on Potential Strengths, Weaknesses, Facilitators, and Barriers. *PLoS Biol* 2016;14(11):e2000391

## Comments

Haltaufderheide J, Mertz M, Vollmann J, Schildmann J. Do Not Try To Run Before You Can Walk: Empirical and Meta-Ethical Presuppositions of Using Ethical Theory in Clinical Ethics Consultation. *Am J Bioeth* 2016;16(9):51-53

Langhof H, Strech D. Kommentar I zum Fall: Der Patientenwille als oberste Instanz - schwierige Umsetzung in der klinischen Forschung. *Ethik in der Medizin* 2016;28(2):153-155

## Buchbeiträge, Monografien

Beyer C. 'Islands of Reform': Early Transformation of the Mental Health Service in Lower Saxony, Germany in the 1960s. In: Kritsotaki D, Long V, Smith M [Hrsg.]: Deinstitutionalisation and after post-war psychiatry in the western world. Cham: Palgrave MacMillan, 2016. (Mental Health in Historical Perspective). S. 99-114

Beyer C. Zwangssterilisation und "Euthanasie". In: Picker HC, Stüber G, Büklein K, Hofmann F [Hrsg.]: Protestanten ohne Protest : die evangelische Kirche der Pfalz im Nationalsozialismus. Band 1. Speyer; Leipzig; Verlagshaus Speyer GmbH; Evangelische Verlagsanstalt;, 2016. S. 367-376

Bossert S, Strech D. Umgang mit Mittelbegrenzung im Gesundheitswesen. In: Jungbauer-Gans M, Kriwy P [Hrsg.]: Handbuch Gesundheitssoziologie. Wiesbaden: Springer Fachmedien Wiesbaden, 2016. S. 1-20

Bossert S. Deliberative Bürgerbeteiligung: Potenziale, Qualitätsanforderungen und Kontextbedingungen am Beispiel eines Modellprojekts. Lage: Jacobs Verlag, 2016. 420 Seiten

Bossert S. Reha-Bedarf und Priorisierung: zu den Potenzialen von Priorisierungsleitlinien nach schwedischem Vorbild. In: Deck R, Glaser-Müller N [Hrsg.]: Bedarfsorientierung und Flexibilisierung in der Rehabilitation. 1. Auflage. Lage: Jacobs Verlag, 2016. S. 23-42

Hadjiafxenti C, Neitzke G. Genetisches Screening, Thalassämie und Ethik. Frankfurt a.M.: Peter Lang GmbH, Internationaler Verlag der Wissenschaften, 2016. 173 S. (Klinische Ethik. Biomedizin in Forschung und Praxis ; 6)

Hirschberg I, Kahrass H, Strech D. Variation bei Einwilligungsdocumenten in der Biobankforschung - Eine Untersuchung von deutschen Biobanken. In: Rauprich O, Jox RJ, Markmann G [Hrsg.]: Vom Konflikt zur Lösung ethische Entscheidungswege in der Biomedizin. Münster: Mentis, 2016. S. 327-345

Langhof H, Kahrass H, Sievers S, Strech D. Internationaler status quo von Access Policies: Ergebnisse einer Querschnittserhebung. In: Illig T [Hrsg.]: Biobanken als Bindeglied zwischen Versorgung und Forschung. Tagungsband des 5. Nationalen Biobanken-Symposiums vom 7.-8. Dezember 2016 in Berlin. Berlin: TMF, 2016. S. 179-188

Langhof H, Strech D. Off-label use, compassionate use und individuelle Heilversuche: ethische Implikationen zulassungsüberschreitender Arzneimittelanwendungen. In: Erbguth F, Jox RJ [Hrsg.]: Angewandte Ethik in der Neuromedizin. 1. Aufl. Berlin: Springer, 2016. S. 95-105

McLennan S. The Handling of Medical Errors in New Zealand. In: Schmidt KW [Hrsg.]: Errors and Ethics in Medicine. International Perspectives for Patients' Rights. Würzburg: Königshausen u. Neumann, 2016. (Global Health, Ethics and Human Rights (GEH)). S. 35-42

Stoff H. Richard Freiherr von Krafft-Ebing: Psychopathia sexualis (1886). Oder: Die Ordnung der Unordnungen als Markt der Lüste. In: Stieglitz O, Martschukat J [Hrsg.]: Race & sex eine Geschichte der Neuzeit ; 49 Schlüsseltexte aus vier Jahrhunderten neu gelesen. Berlin: Neofelis Verlag, 2016. S. 279-286

Stoff H. The Effing Point oder For How Much Longer Do We Tolerate Mass Murder? Zum Realismusstreit um 1980. Nach Feierabend Zürcher Jahrbuch für Wissensgeschichte 2016:91-103

### **Herausgeberschaften**

Frewer A, Hirschberg I [Hrsg.]: Hadjiafxenti C, Neitzke G. Genetisches Screening, Thalassämie und Ethik. Frankfurt a.M.: Peter Lang GmbH, Internationaler Verlag der Wissenschaften, 2016. 173 S. (Klinische Ethik. Biomedizin in Forschung und Praxis ; 6)

Stiftung Denkmal für die Ermordeten Juden Europas, Beyer C, Fuchs P, Hinz-Wessels A, Hohendorf G, Rotzoll M, Thelen H, Thiel J. Tiergartenstrasse 4 : Memorial and Information Point for the victims of National Socialist' Euthanasia-killings. 1. Aufl. Berlin: Stiftung Denkmal für die ermordeten Juden Europas, 2016. 134 S. : zahlr. Ill.

Streich D, Mertz M. Ethics and governance of biomedical research theory and practice. Cham: Springer, 2016. viii, 225 S. (Research ethics forum ; 4)

### **Promotionen**

Agena, Frauke (Dr.med.): Die ersten Psychiaterinnen in der Zeit des Nationalsozialismus und in der frühen Bundesrepublik  
MHH-Signatur: D 80389

Kahrrass, Hannes (Dr. PH): Der Umgang mit ethisch-normativen Informationen im Kontext Evidenz-basierter Gesundheitsversorgung : systematische Übersichtsarbeiten und Status quo Analysen am Beispiel klinischer Leitlinien und redaktioneller Richtlinien  
MHH-Signatur: D 80688

## Forschungs- und Lehreinheit Medizinische Psychologie – 5430

### Originalpublikationen

Dingemann J, Szczepanski R, Ernst G, Thyen U, Ure B, Goll M, Menrath I. Transition of Patients with Esophageal Atresia to Adult Care: Results of a Transition-Specific Education Program. *Eur J Pediatr Surg* 2017;27(1):61-67

Ernst G, Lange K, Szczepanski R, Staab D, Ehrich J, Zinken K. How to Train Families to Cope with Lifelong Health Problems? *J Pediatr* 2016;170:349-350.e2

Ernst G, Lange K, Szczepanski R, Staab D, Thyen U, Menrath I. Erwachsenwerden mit chronischer Krankheit: Fit für den Wechsel: Transitionsmodul im Modularen Schulungsprogramm ModuS. *Atemwegs Lungenkr* 2016;42(8):403-410

Espantoso-Romero M, Román Rodriguez M, Duarte-Pérez A, González-Rey J, Callejas-Cabanillas PA, Lazić DK, Anta-Agudo B, Torán Monserrat P, Magallón-Botaya R, Gerasimovska Kitanovska B, Lingner H, Assenova RS, Iftode C, Gude-Sampedro F, Clavería A, PRO-EPOC/COPD study group. External validation of multidimensional prognostic indices (ADO, BODEx and DOSE) in a primary care international cohort (PROEPOC/COPD cohort). *BMC Pulm Med* 2016;16(1):143

Fasulo A, Zinken J, Zinken K. Asking 'What about' questions in chronic illness self-management meetings. *Patient Educ Couns* 2016;99(6):917-925

Gehr B, Holder M, Kulzer B, Lange K, Liebl A, Sahm C, von Sengbusch S, Schlüter S, Siegmund T, Thurm U, Ziegler R, Freckmann G, Heinemann L, SPECTRUM Group. SPECTRUM: A Training and Treatment Program for Continuous Glucose Monitoring for All Age Groups. *J Diabetes Sci Technol* 2017;11(2):284-289

Hartmann J, Jacobs S, Eberhard S, von Lengerke T, Amelung V. Analysing predictors for future high-cost patients using German SHI data to identify starting points for prevention. *Eur J Public Health* 2016;26(4):549-555

Hevelke LK, Albrecht C, Busse-Widmann P, Kranz J, Lange K, Markowitz JT, Marshall LF, Meurs S, de Soye IH, Sasemann H. Prävalenz gestörten Essverhaltens bei Typ 1 Diabetes im Kindes- und Jugendalter: Erfassungsmöglichkeiten und Vergleich mit gesunden Gleichaltrigen - Ergebnisse einer multizentrischen Fragebogenstudie. *Psychother Psychosom Med Psychol* 2016;66(3-4):128-135

Holder M, Gehr B, von Sengbusch S, Ziegler R, Heidtmann B, Deiss D, Ludwig-Seibold C, Remus K, Wadien T, Lange K. SPECTRUM: education and treatment program for continuous glucose measurement in pediatric diabetology. *Monatsschr Kinderh* 2016;1-6

Jünger J, Köllner V, von Lengerke T, Neuderth S, Schultz JH, Fischbeck S, Karger A, Kruse J, Weidner K, Henningsen P, Schiessl C, Ringel N, Fellmer-Drüg E. Kompetenzbasierter Lernzielkatalog >>Ärztliche Gesprächsführung<<. *Z Psychosom Med Psychother* 2016;62(1):5-19

Klett-Tammen CJ, Krause G, von Lengerke T, Castell S. Advising vaccinations for the elderly: a cross-sectional survey on differences between general practitioners and physician assistants in Germany. *BMC Fam Pract* 2016;17:98

Kulzer B, Albus C, Herpertz S, Kruse J, Lange K, Lederbogen F, Petrak F. Psychosoziales und Diabetes. *Diabetologie und Stoffwechsel* 2016;11(Suppl.2):S136-S149

Kulzer B, Lange K. Psychosoziale Konzepte bei Menschen mit Diabetes: von der Theorie zur Praxis. *Diabetes-Congress-Report das Wichtigste von den aktuellen Kongressen* 2016(2):14-16

Lange K, von Sengbusch S. CGM-Nutzung: Motivation fördern. *Diabetes-Forum* 2016;28(12):38-41

Lange K. Psychosoziale Aspekte aktueller Diabetestecnologien. *Diabetologe* 2016;12(8):566-571

Lange K. Screening: Chancen und Risiken für Familien. *Diabetes-Forum* 2016;28(12):14-15

Le Floch B, Bastiaens H, Le Reste JY, Lingner H, Hoffman RD, Czachowski S, Assenova R, Koskela TH, Klemenc-Ketis Z, Nabbe P, Sowinska A, Montier T, Peremans L. Which positive factors determine the GP satisfaction in clinical practice? A systematic literature review. *BMC Fam Pract* 2016;17(1):133

Le Reste JY, Nabbe P, Lazić D, Assenova R, Lingner H, Czachowski S, Argyriadou S, Sowinska A, Lygidakis C, Doerr C, Clavería A, Le Floch B, Derriennic J, Van Marwijk H, Van Royen P. How do general practitioners recognize the definition of multimorbidity? A European qualitative study. *Eur J Gen Pract* 2016;22(3):159-168

Neu A, Bürger-Büsing J, Danne T, Dost A, Holder M, Holl RW, Holterhus PM, Kapellen T, Karges B, Kordonouri O, Müller S, Raile K, Schweizer R, von Sengbusch S, Stachow R, Wagner V, Wiegand S, Ziegler R. Diagnostik, Therapie und Verlaufskontrolle des Diabetes mellitus im Kindes- und Jugendalter – AWMF-Registernummer 057–016. Diabetologie und Stoffwechsel 2016;11(1):35-94

Neu A, Bürger-Büsing J, Danne T, Dost A, Holder M, Holl RW, Holterhus P-, Kapellen T, Karges B, Kordonouri O, Müller S, Raile K, Schweizer R, von Sengbusch S, Stachow R, Wagner V, Wiegand S, Ziegler R. Diagnostik, Therapie und Verlaufskontrolle des Diabetes mellitus im Kindes- und Jugendalter. Diabetologie und Stoffwechsel 2016;11(S02):S159-S169

Raab J, Haupt F, Scholz M, Matzke C, Warncke K, Lange K, Assfalg R, Weininger K, Wittich S, Löbner S, Beyerlein A, Nennstiel-Ratzel U, Lang M, Laub O, Dunstheimer D, Bonifacio E, Achenbach P, Winkler C, Ziegler AG, Fr1da Study Group. Capillary blood islet autoantibody screening for identifying pre-type 1 diabetes in the general population: design and initial results of the Fr1da study. BMJ Open 2016;6(5):e011144

Raab J, Warncke K, Haupt F, Winkler C, Löbner S, Lang M, Laub O, Lange K, Achenbach P, Ziegler AG. Diabetes mellitus Typ 1 bei Kindern früh erkennen und behandeln. Die Fr1da-Studie. Päd Praxis 2016;85(2):213-222

Saßmann H, Lange K. Psychosoziale Betreuung von Kindern und Jugendlichen mit Diabetes. Tägliche Praxis 2016;57:113-122

Thielmann A, Gerasimovska-Kitanovska B, Buczkowski K, Koskela TH, Mevsim V, Czachowski S, Petrazzuoli F, Petek-Šter M, Lingner H, Hoffman RD, Tekiner S, Chambe J, Edirne T, Hoffmann K, Pirrotta E, Uludag A, Yikilkan H, Kreitmayer Pestic S, Zielinski A, Gude Fernández C, Weltermann B. Self-Care for Common Colds by Primary Care Patients: A European Multicenter Survey on the Prevalence and Patterns of Practices-The COCO Study Evid Based Complement Alternat Med 2016;2016:6949202

Thyen U, Bomba F, Menrath I, Schmidt J, Szczepanski R, Ernst G, Schmidt S. Patientenschulungen in der Transition: Empowerment für Jugendliche mit chronischen Erkrankungen. Paediatr Paedol 2016;51(Suppl.1):30-35

Vogl M, Warnecke G, Haverich A, Gottlieb J, Welte T, Hatz R, Hunger M, Leidl R, Lingner H, Behr J, Winter H, Schramm R, Zwissler B, Hagl C, Strobl N, Jaeger C, Preissler G. Lung transplantation in the spotlight: Reasons for high-cost procedures. J Heart Lung Transplant 2016;35(10):1227-1236

von Lengerke T, Kröning B, Lange K, Lower Saxon Diabetes Outpatient Centres Study Group. Patients' intention to speak up for health care providers' hand hygiene in inpatient diabetic foot wound treatment: a cross-sectional survey in diabetes outpatient centres in Lower Saxony, Germany. Psychol Health Med 2016;1:1-12

von Lengerke T, Schulz-Stübner S, Chaberry IF, Lutze B. Psychologie der Händehygiene-Compliance: Von der Motivation zum Verhalten. Krankenh hyg up2date 2016;11(2):135-150

Weltermann BM, Gerasimovska-Kitanovska B, Thielmann A, Chambe J, Lingner H, Pirrotta E, Buczkowski K, Tekiner S, Czachowski S, Edirne T, Zielinski A, Yikilkan H, Koskela T, Petrazzuoli F, Hoffman RD, Petek Ster M, Gude Fernandez C, Uludag A, Hoffmann K, Mevsim V, Kreitmayer Pestic S. Self-Care Practices for Common Colds by Primary Care Patients: Study Protocol of a European Multicenter Survey-The COCO Study. Evid Based Complement Alternat Med 2015;2015:272189

Zillmer S, Warncke K, Raab J, Winkler C, Haupt F, Seithe H, Frank I, Nellen-Hellmuth N, Sommer CLK., Achenbach P, Ziegler AG. Kinder mit einem Frühstadium des Typ 1 Diabetes: Drei Fallberichte aus der Fr1da-Studie in Bayern. Diabetes, Stoffwechsel und Herz 2016;25(2):79-83

## Übersichtsarbeiten

Lingner H, Karsch-Völk M, Piepenschneider D, Schleef T, Kardos P, Criée CP, Worth H, Hummers-Pradier E. General Practitioners' and Trainees' Knowledge of the Asthma Guidelines in Germany: a crosssectional Survey. Qual Prim Care 2016;24(1):1-7

## Buchbeiträge, Monografien

Danne T, Kordonouri O, Lange K. Kompendium pädiatrische Diabetologie. 2., vollständig überarbeitete Auflage. Berlin, Heidelberg: Springer-Verlag, 2016. 514 S.

Enayatpour G. Patientenerwartungen an Prämedikationsgespräche : Kann die Narkoseaufklärung präoperative Ängste reduzieren?. Hamburg: disserta Verl., 2016. 103 S.

Ernst G, Bomba F. G. Ernst, R. Szczepanski. Fit für den Wechsel: Erwachsenwerden mit chronischer Krankheit : Transitionsmodul im Modularen Schulungsprogramm für chronisch kranke Kinder und Jugendliche ModuS. Lengerich: Pabst Science Publ., 2016. 122 S.

Ernst G, Szczepanski R. Transitionsmodul im Modularen Schulungsprogramm ModuS. In: Oldhafer M, Berlien HP [Hrsg.]: *Transitionsmedizin : multiprofessionelle Begleitung junger Erwachsener mit chronischer Krankheit*. Stuttgart: Schattauer, 2016. S. 199-206

Hürter P, von Schütz W, Lange K. Wolfgang von Schütz, Karin Lange. Kinder und Jugendliche mit Diabetes : medizinischer und psychologischer Ratgeber für Eltern. 4., vollständig überarbeitete Auflage. Berlin: Springer, 2016. 403 S.

Kröning B, von Lengerke T. Die Beteiligung von Patienten an der Prävention nosokomialer Infektionen: Große Potenziale und manche Schwierigkeiten bei der direkten Ansprache des medizinischen Personals auf seine Händehygiene durch Patienten. In: Ingensiep HW, Popp W [Hrsg.]: *Hygiene-Aufklärung im Spannungsfeld zwischen Medizin und Gesellschaft*. München: Verlag Karl Alber, 2016. (Lebenswissenschaften im Dialog ; 23). S. 67-84

Kruse H, Kulzer B, Lange K. Diabetes mellitus. In: Köhle K, Herzog W [Hrsg.]: Uexküll, Psychosomatische Medizin Theoretische Modelle und klinische Praxis. 8. Auflage. München: Urban & Fischer in Elsevier, 2016. S. 851-864

Lange K, Kordonouri O, Danne T. Fr1dolin Früherkennung von Typ 1 Diabetes und Hypercholesterinämie in Niedersachsen : Familiäre Hypercholesterinämie; ein Ratgeber für Eltern und Kinder. 1. Auflage. Mainz am Rhein: Kirchheim, 2016. 28 Seiten : zahlr. farb. Zeichnungen

Lange K, Remus K, Bläsig S, Lösch-Binder M, Neu A, von Schütz W. Diabetes-Buch für Kinder: Diabetes bei Kindern: ein Behandlungs- und Schulungsprogramm. 5. aktualisierte und überarbeitete Auflage. Mainz: Kirchheim, 2016. 196 Seiten

Lange K, Ziegler AG. Fr1da Typ 1 Diabetes: Früh erkennen - Früh gut behandeln : Ein Ratgeber für Eltern und Kinder. 1. Auflage. Mainz am Rhein: Kirchheim, 2016. 44 Seiten : zahlr. farb. Zeichnungen

Lange K. Chronische Stoffwechselstörungen: Schulung und psychosoziale Betreuung. In: Danne T, Kordonouri O [Hrsg.]: Adipositas, Diabetes und Fettstoffwechselstörungen im Kindesalter. Berlin: Walter de Gruyter & Co, 2016. S. 209-219

Lange K. Diabetes: Schulung und psychosoziale Betreuung. In: Danne T, Kordonouri O [Hrsg.]: Adipositas, Diabetes und Fettstoffwechselstörungen im Kindesalter. Berlin: Walter de Gruyter & Co, 2016. S. 234-245

Lange K. Elternbroschüre: Diabetes-Buch für Kinder: Diabetes bei Kindern: ein Behandlungs- und Schulungsprogramm. 5. aktualisierte und überarbeitete Auflage. Mainz: Kirchheim, 2016. 45 Seiten

Lange K. Fettstoffwechselstörungen: Schulung und psychosoziale Betreuung. In: Danne T, Kordonouri O [Hrsg.]: Adipositas, Diabetes und Fettstoffwechselstörungen im Kindesalter. Berlin: Walter de Gruyter & Co, 2016. S. 245-254

Lutze B, Chaberry IF, Graf K, Krauth C, Lange K, Schwadtke L, Stahmeyer J, von Lengerke T. Risiko - im Griff? Ergebnisse des PSYGIENE-Projekts zur Motivationslage bezüglich der eigenen hygienischen Händedesinfektion bei Ärzten und Pflegekräften der Intensivmedizin. In: Ingensiep HW, Popp W [Hrsg.]: *Hygiene-Aufklärung im Spannungsfeld zwischen Medizin und Gesellschaft*. München: Verlag Karl Alber, 2016. (Lebenswissenschaften im Dialog ; 23). S. 57-66

Lutze B. Verhaltenspsychologisch orientierte Infektionsprävention : Welchen Einfluss hat die subjektive Risikowahrnehmung von Ärzten und Pflegekräften auf ihr infektionspräventives Händehygieneverhalten?. Hamburg: disserta Verlag, 2016. 157 Seiten : Illustrationen

## **Herausgeberschaften**

Ernst G, Szczepanski R [Hrsg.]: Modulares Schulungsprogramm für chronisch kranke Kinder und Jugendliche sowie deren Familien - ModuS ; Band 1 : Modulare Patientenschulung. 3., überarb. Aufl. Lengerich: Pabst Science Publ., 2016. 126 S.

Ernst G, Szczepanski R [Hrsg.]: Modulares Schulungsprogramm für chronisch kranke Kinder und Jugendliche sowie deren Familien - ModuS ; Band 2 : Qualitätsmanagement und Trainerausbildung. 3., überarb. Aufl. Lengerich: Pabst Science Publ., 2016. 82 S

Gehr B, Holder M, Kulzer B, Thurm U, Siegmund T, Sahm C, Biermann E, Carstensen S, Freckmann G, Heinemann L, Kolossa R, Schlüter S, Wernsing M, Deiss D, Heidtmann B, Ludwig-Seibold C, von Sengbusch S, Wadien T, Ziegler R, Lange K [Hrsg.]: Spectrum Schulungs- und Behandlungsprogramm zur kontinuierlichen Glukosemessung (CGM) für Menschen mit Typ-1-Diabetes. Mainz: Verlag Kirchheim, 2016. 265 S.

## **Promotionen**

Zedler, Birk (Dr. med.): Adipositas und Depressions- und Angstsymptome bei prä- und post-menopausalen Frauen ein Vergleich verschiedener Adipositasmaße  
MHH-Signatur: D 80388

## Forschungs- und Lehreinheit Medizinische Soziologie - 5420

### Originalpublikationen

Engelmann C, Grote G, Geyer S, Ametowobia D. Operating lists are created by rational algorithms and use of power. What can a social scientific view offer surgeons? *Langenbecks Arch Surg* 2017;402(1):187-190

Geyer S. Morbidity compression: a promising and well-established concept? *Int J Public Health* 2016;61(7):727-728

Muschik D, Icks A, Tetzlaff J, Epping J, Eberhard S, Geyer S. Morbidity compression, morbidity expansion, or dynamic equilibrium? The time trend of AOK-insured patients with type 2 diabetes in Lower Saxony, Germany. *J Public Health* 2017;25(1):19-28

Sperlich S, Barre F, Otto F. Gratifikationskrisen in der Haus- und Familienarbeit - Teststatistische Prüfung des Fragebogens an Vätern mit minderjährigen Kindern *Psychother Psychosom Med Psychol* 2016;66(2):57-66

Tetzlaff J, Junius-Walker U, Muschik D, Epping J, Eberhard S, Geyer S. Identifying time trends in multimorbidity—defining multimorbidity in times of changing diagnostic practices. *J Public Health* 2017;25(2):215-222

Trachte F, Geyer S, Sperlich S. Impact of physical activity on self-rated health in older people: do the effects vary by socioeconomic status? *J Public Health (Oxf)* 2016;DOI: 10.1093/pubmed/fdv198

### Buchbeiträge, Monografien

Geyer S. Die quantitative Analyse von Gesundheit und Krankheit. In: Richter M, Hurrelmann K [Hrsg.]: Soziologie von Gesundheit und Krankheit. Wiesbaden: Springer VS, 2016. S. 55-70

Geyer S. Die Reduzierung gesundheitlicher Ungleichheiten: Wie weit können wir gehen, wie weit sollen wir gehen, wie weit dürfen wir gehen?. In: Huster S, Schramme T [Hrsg.]: Normative Aspekte von Public Health : interdisziplinäre Perspektiven. 1. Auflage. Baden-Baden: Nomos, 2016. (Interdisziplinäre Studien zu Recht und Staat). S. 97-112

Geyer S. Soziale Ungleichverteilungen von Gesundheit und Krankheit und ihre Erklärungen: Schulbildung, Einkommen und Beruf. In: Jungbauer-Gans M [Hrsg.]: Handbuch Gesundheitssoziologie. Wiesbaden: Springer Fachmedien, [2016]. (Springer Reference Sozialwissenschaften). S. 1-24

Geyer S, Micheelis W. Prävalenzen und Strukturen mundgesundheitlicher Risikofaktoren in den vier Altersgruppen. In: Cholmakow-Bodechtel C, Jordan AR, Micheelis W [Hrsg.]: Fünfte Deutsche Mundgesundheitsstudie (DMS V). Köln: Deutscher Zahnärzte Verlag DÄV, 2016. (Materialienreihe / Institut der Deutschen Zahnärzte). S. 195-212

Geyer S, Micheelis W. Soziale Schichtungssindikatoren im Hinblick auf die Karies- und Parodontitislast in Deutschland. In: Cholmakow-Bodechtel C, Jordan AR, Micheelis W [Hrsg.]: Fünfte Deutsche Mundgesundheitsstudie (DMS V). Köln: Deutscher Zahnärzte Verlag DÄV, 2016. (Materialienreihe / Institut der Deutschen Zahnärzte). S. 213-227

Sperlich S, Geyer S. Household and family work and health. In: Siegrist J, Wahrendorf M [Hrsg.]: Work Stress and Health in a Globalized Economy The Model of Effort-Reward Imbalance. 2016. Cham: Springer International Publishing, 2016. (Aligning Perspectives on Health, Safety and Well-Being). S. 293-311

Sperlich S. Handlungsorientierte Perspektiven auf Gesundheit und Krankheit. In: Richter M, Hurrelmann K [Hrsg.]: Soziologie von Gesundheit und Krankheit. Wiesbaden: Springer VS, 2016. S. 41-54

### sonstiges

Geyer S. Soziale Ungleichheit und Gesundheit/Krankheit (Leitbegriffe der Gesundheitsförderung). In: Bundeszentrale für gesundheitliche Aufklärung (BZgA). <http://tinyurl.com/ht6ndla>

### Promotionen

Bierbaum, Thomas Johannes Günter (Dr. rer. biol. hum.): Potenzialorientierte Karriereförderung wissenschaftlichen Nachwuchses in den Life Sciences im interkulturellen Spannungsfeld am Beispiel des BMEP  
MHH-Signatur: D 80412

Knöchelmann, Anja (Dr. rer. biol. hum.): Diagnose Loch im Herz longitudinale Betrachtung mütterlichen Wissens zum angeborenen Herzfehler des Kindes sowie Konstruktion und Validierung eines Fragebogens  
MHH-Signatur: D 80464

Michael, Tobias (Dr. med.): Langzeitliche Veränderungen des Ernährungs- und Bewegungsverhaltens bei Frauen mit Mammakarzinom über einen Zeitraum von acht Jahren und deren Auswirkungen auf das Wiedererkrankungsrisiko  
MHH-Signatur: D 80367

Trachte, Florian (Dr. med.): Kompression oder Expansion der Morbidität? - eine sozialstratifizierte Analyse zur Entwicklung der Gesundheit und ihrer Einflussfaktoren in der Älteren Bevölkerung in Deutschland auf der Datenbasis des Sozioökonomischen Panels (SOEP)  
MHH-Signatur: D 80363

#### **Masterarbeiten**

Bachus, Lena (M.Sc.): Soziale Ungleichheit bei der Entwicklung von Morbiditätskompression bei Schlaganfall

## **Zentrum Biometrie, medizinische Informatik und Medizintechnik**

### **Institut für Biometrie – 8410**

#### **Originalpublikationen**

Abbas M, Steffens S, Bellut M, Becker JU, Großhennig A, Eggers H, Wegener G, Kuczyk MA, Kreipe HH, Grünwald V, Schrader AJ, Ivanyi P. Do programmed death 1 (PD-1) and its ligand (PD-L1) play a role in patients with non-clear cell renal cell carcinoma? *Med Oncol* 2016;33(6):59

Abbas M, Steffens S, Bellut M, Eggers H, Großhennig A, Becker JU, Wegener G, Schrader AJ, Grünwald V, Ivanyi P. Intratumoral expression of programmed death ligand 1 (PD-L1) in patients with clear cell renal cell carcinoma (ccRCC). *Med Oncol* 2016;33(7):80

Bormann KH, Weber K, Kloppenburg H, Koch A, Meiser P, Gellrich NC. Perioperative Bromelain Therapy after Wisdom Teeth Extraction - A Randomized, Placebo-Controlled, Double-Blinded, Three-Armed, Cross-Over Dose-Finding Study. *Phytother Res* 2016;30(12):2012-2019

Chatzikyrkou C, Eichler J, Karch A, Clajus C, Scurt FG, Ramackers W, Lehner F, Menne J, Haller H, Mertens PR, Schiffer M. Short- and long-term effects of the use of RAAS blockers immediately after renal transplantation. *Blood Press* 2017;26(1):30-38

Derlin T, Thiele J, Weiberg D, Thackeray JT, Püschel K, Wester HJ, Aguirre Davila L, Larena-Avellaneda A, Daum G, Bengel FM, Schumacher U. Evaluation of 68Ga-Glutamate Carboxypeptidase II Ligand Positron Emission Tomography for Clinical Molecular Imaging of Atherosclerotic Plaque Neovascularization. *Arterioscler Thromb Vasc Biol* 2016;36(11):2213-2219

Deterding K, Spinner CD, Schott E, Welzel TM, Gerken G, Klinker H, Spengler U, Wiegand J, Zur Wiesch JS, Pathil A, Cornberg M, Umgelter A, Zöllner C, Zeuzem S, Papkalla A, Weber K, Hardtke S, von der Leyen H, Koch A, von Witzendorff D, Manns MP, Wedemeyer H, HepNet Acute HCV IV Study Group. Ledipasvir plus sofosbuvir fixed-dose combination for 6 weeks in patients with acute hepatitis C virus genotype 1 monoinfection (HepNet Acute HCV IV): an open-label, single-arm, phase 2 study. *Lancet Infect Dis* 2017;17(2):215-222

Heusser K, Tank J, Brinkmann J, Schroeder C, May M, Grosshennig A, Wenzel D, Diedrich A, Sweep FC, Mehling H, Luft FC, Jordan J. Preserved Autonomic Cardiovascular Regulation With Cardiac Pacemaker Inhibition: A Crossover Trial Using High-Fidelity Cardiovascular Phenotyping. *J Am Heart Assoc* 2016;5(1):10.1161/JAHA.115.002674

Houben-Wilke S, Jörres RA, Bals R, Franssen FM, Gläser S, Holle R, Karch A, Koch A, Magnussen H, Obst A, Schulz H, Spruit MA, Wacker ME, Welte T, Wouters EF, Vogelmeier C, Watz H. Peripheral Artery Disease and its Clinical Relevance in Patients with COPD in the COSYCONET Study. *Am J Respir Crit Care Med* 2017;195(2):189-197

Hueper K, Khalifa AA, Bräsen JH, Vo Chieu VD, Gutberlet M, Wintterle S, Lehner F, Richter N, Peperhove M, Tewes S, Weber K, Haller H, Wacker F, Gwinner W, Gueler F, Hartung D. Diffusion-Weighted imaging and diffusion tensor imaging detect delayed graft function and correlate with allograft fibrosis in patients early after kidney transplantation. *J Magn Reson Imaging* 2016;44(1):112-121

Jakubovski E, Reichert C, Karch A, Buddensiek N, Breuer D, Müller-Vahl K. The ONLINE-TICS Study Protocol: A Randomized Observer-Blind Clinical Trial to Demonstrate the Efficacy and Safety of Internet-Delivered Behavioral Treatment for Adults with Chronic Tic Disorders. *Front Psychiatry* 2016;7:119

Kammer J, Ziesing S, Aguirre Davila L, Bültmann E, Illsinger S, Das AM, Haffner D, Hartmann H. Neurological Manifestations of Mycoplasma pneumoniae Infection in Hospitalized Children and Their Long-Term Follow-Up. *Neuropediatrics* 2016;47(5):308-317

Karch A, Koch A, Grünwald V. A phase II trial comparing pazopanib with doxorubicin as first-line treatment in elderly patients with metastatic or advanced soft tissue sarcoma (EPAZ): study protocol for a randomized controlled trial. *Trials* 2016;17(1):312

Karch A, Koch A, Zapf A, Zerr I, Karch A. Partial verification bias and incorporation bias affected accuracy estimates of diagnostic studies for biomarkers that were part of an existing composite gold standard *J Clin Epidemiol* 2016;78:73-82

Karch A, Vogelmeier C, Welte T, Bals R, Kauczor HU, Biederer J, Heinrich J, Schulz H, Gläser S, Holle R, Watz H, Korn S, Adaskina N, Biertz F, Vogel C, Vestbo J, Wouters EF, Rabe KF, Söhler S, Koch A, Jörres RA, COSYCONET Study Group. The German COPD cohort CO-SYCONET: Aims, methods and descriptive analysis of the study population at baseline. *Respir Med* 2016;114:27-37

Klapdor R, Hillemanns P, Wölber L, Jückstock J, Hilpert F, de Gregorio N, Iborra S, Sehouli J, Habermann A, Fürst ST, Strauss HG, Baumann K, Thiel F, Mustea A, Meier W, Harter P, Wimberger P, Hanker L, Schmalfeldt B, Canzler U, Fehm T, Luyten A, Hellriegel M, Kosse J, Heiss C, Hantschmann P, Mallmann P, Tanner B, Pfisterer J, Richter B, Jäger M, Mahner S. Outcome After Sentinel Lymph Node Dissection in Vulvar Cancer: A Subgroup Analysis of the AGO-CaRE-1 Study. *Ann Surg Oncol* 2017;24(5):1314-1321

Könneker S, Broelsch GF, Kuhbier JW, Framke T, Neubert N, Dastagir K, Mett T, Vogt PM, Jokuszies A. Outcome Analysis of End-to-End and End-to-Side Anastomoses in 131 Patients Undergoing Microsurgical Free Flap Reconstruction of the Lower Extremity. *J Reconstr Microsurg Open* 2017;2(1):e7-e14

Lenzen H, Musmann E, Kottas M, Schönemeier B, Köhnlein T, Manns MP, Lankisch TO. Acute gastrointestinal bleeding cases presenting to the emergency department are associated with age, sex and seasonal and circadian factors. *Eur J Gastroenterol Hepatol* 2017;29(1):78-83

Leo F, Bartels S, Mägel L, Framke T, Büsche G, Jonigk D, Christgen M, Lehmann U, Kreipe H. Prognostic factors in the myoepithelial-like spindle cell type of metaplastic breast cancer. *Virchows Arch* 2016;469(2):191-201

Lucke T, Herrera R, Wacker M, Holle R, Biertz F, Nowak D, Huber RM, Söhler S, Vogelmeier C, Ficker JH, Muckter H, Jörres RA, CO-SYCONET-Consortium. Systematic Analysis of Self-Reported Comorbidities in Large Cohort Studies - A Novel Stepwise Approach by Evaluation of Medication. *PLoS One* 2016;11(10):e0163408

Lueer K, Biller H, Casper A, Windt H, Mueller M, Badorek P, Haefner D, Framke T, Koch A, Ziehr H, Krug N, Koch W, Hohlfeld JM. Safety, efficacy and repeatability of a novel house dust mite allergen challenge technique in the Fraunhofer allergen challenge chamber. *Allergy* 2016;71(12):1693-1700

Lutterkort GL, Wranke A, Yurdaydin C, Budde E, Westphal M, Lichtenhagen R, Stift J, Bremer B, Hardtke S, Keskin O, Idilman R, Koch A, Manns MP, Dienes HP, Wedemeyer H, Heidrich B. Non-Invasive Fibrosis Score for Hepatitis Delta. *Liver Int* 2017;37(2):196-204

Neubert N, Vogt PM, May M, Boyce M, Koenneker S, Budde E, Jokuszies A. Does an Early and Aggressive Combined Wrapping and Danteling Procedure Affect the Clinical Outcome of Lower Extremity Free Flaps? -A Randomized Controlled Prospective Study Using Microdialysis Monitoring. *J Reconstr Microsurg* 2016;32(4):262-270

Pabst R, Linke PB, Neudeck NB, Schmiel M, Ernst SB. Anschubfinanzierung für junge Wissenschaftler in der Universitätsmedizin in Deutschland : Ist der "clinical scientist" so zu retten? *Chirurg* 2016;87(12):1039-1045

Paparoupa M, Spineli L, Framke T, Ho H, Schuppert F, Gillissen A. Pulmonary Embolism in Pneumonia: Still a Diagnostic Challenge? Results of a Case-Control Study in 100 Patients. *Dis Markers* 2016;2016:8682506

Rios N, Adaskina N, Frömke C, Papendorf F, Schippert C, Koch A, Hillemanns P, Park-Simon TW. The Benefit of Baseline Staging-Risk Assessment of Distant Breast Cancer Metastases by Tumor Stage. *Anticancer Res* 2016;36(9):4909-4914

Ristl R, Frommlet F, Koch A, Posch M. Fallback tests for co-primary endpoints. *Stat Med* 2016;35(16):2669-2686

Scheper V, Leifholz M, von der Leyen H, Keller M, Denkena U, Koch A, Karch A, Miller J, Lenarz T. ACEMg-mediated hearing preservation in cochlear implant patients receiving different electrode lengths (PROHEARING): study protocol for a randomized controlled trial. *Trials* 2016;17:394

Tiede A, Hofbauer CJ, Werwitzke S, Knöbl P, Gottstein S, Scharf RE, Heinz J, Gross J, Holstein K, Dobbelstein C, Scheiflinger F, Koch A, Reipert BM. Anti-factor VIII IgA as a potential marker of poor prognosis in acquired hemophilia A: results from the GTH-AH 01/2010 study. *Blood* 2016;127(19):2289-2297

Wacker ME, Jörres RA, Karch A, Koch A, Heinrich J, Karrasch S, Schulz H, Peters A, Gläser S, Ewert R, Baumeister SE, Vogelmeier C, Leidl R, Holle R, COSYCONET study group. Relative impact of COPD and comorbidities on generic health-related quality of life: a pooled analysis of the COSYCONET patient cohort and control subjects from the KORA and SHIP studies. *Respir Res* 2016;17(1):81

Wacker ME, Jörres RA, Karch A, Wilke S, Heinrich J, Karrasch S, Koch A, Schulz H, Watz H, Leidl R, Vogelmeier C, Holle R, COSYCONET-Consortium. Assessing health-related quality of life in COPD: comparing generic and disease-specific instruments with focus on comorbidities. *BMC Pulm Med* 2016;16(1):70

Wrangé A, Serrano BC, Heidrich B, Kirschner J, Bremer B, Lehmann P, Hardtke S, Deterding K, Port K, Westphal M, Manns MP, Cornberg M, Wedemeyer H. Antiviral treatment and liver-related complications in hepatitis delta *Hepatology* 2017;65(2):414-425

#### **Buchbeiträge, Monografien**

Höhn M, von Jan U, Framke T, Albrecht UV. Classification of Health Related Applications. In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 139-142

## **Peter L.Reichertz Institut für Medizinische Informatik der TU Braunschweig und der MHH – 8420**

#### **Originalpublikationen**

Albrecht UV, Becker S. Mobilapplikationen. *Dialyse aktuell* 2016;20(6):280-284

Albrecht UV, Drossel D, Engeli S. Apps als Vehikel für Gesundheit? *Diabetes, Stoffwechsel und Herz* 2016;25(3)

Albrecht UV, Engeli S, von Jan U. Mit Apps durch Dick und Dünn? : Über das Suchen, Prüfen und Finden geeigneter Anwendungen. Adipositas – Ursachen, Folgeerkrankungen, Therapie 2016;10(1):43-50

Albrecht UV. Quo vadis, Health-App. *Life Sciences - Serie* 2016(1):18-19

Bartsch M, Langenberg S, Gruner-Labitzke K, Schulze M, Köhler H, Crosby RD, Marschollek M, de Zwaan M, Müller A. Physical Activity, Decision-Making Abilities, and Eating Disturbances in Pre- and Postbariatric Surgery Patients. *Obes Surg* 2016;26(12):2913-2922

Behrends M, Kupka T, Schmeer R, Meyenburg-Altwarg I, Marschollek M. Knowledge Transfer in Health Care Through Digitally Collecting Learning Experiences - Results of Witra Care. *Stud Health Technol Inform* 2016;225:287-291

Behrends M, Stiller G, Dudzinska A, Schneidewind S. Various Cinematic Forms of Educational Videos About the Physical Examination - Are There Differences in the Evaluation by Medical Students? *Stud Health Technol Inform* 2016;226:97-100

Haarbrandt B, Jack T, Marschollek M. Automated Transformation of openEHR Data Instances to OWL. *Stud Health Technol Inform* 2016;223:63-70

Haarbrandt B, Tute E, Marschollek M. Automated population of an i2b2 clinical data warehouse from an openEHR-based data repository *J Biomed Inform* 2016;63:277-294

Haarbrandt B, Wilschko A, Marschollek M. Modelling of Operative Report Documents for Data Integration into an openEHR-Based Enterprise Data Warehouse *Stud Health Technol Inform* 2016;228:407-411

Haux R, Koch S, Lovell NH, Marschollek M, Nakashima N, Wolf KH. Health-Enabling and Ambient Assistive Technologies: Past, Present, Future *Yearb Med Inform* 2016;Suppl 1:S76-91

Marschollek M, Barthel C, Behrends M, Schmeer R, Meyenburg-Altwarg I, Becker M. Smart Glasses in Nursing Training - Redundant Gadget or Precious Tool? A Pilot Study. *Stud Health Technol Inform* 2016;225:377-381

Mertens A, Brandl C, Miron-Shatz T, Schlick C, Neumann T, Kribben A, Meister S, Diamantidis CJ, Albrecht UV, Horn P, Becker S. A mobile application improves therapy-adherence rates in elderly patients undergoing rehabilitation: A crossover design study comparing documentation via iPad with paper-based control *Medicine (Baltimore)* 2016;95(36):e4446

Schmeer R, Behrends M, Kupka T, Meyenburg-Altwarg I, Marschollek M. Use and Acceptance of Mobile Technology by Hospital Nurses in Germany. *Stud Health Technol Inform* 2016;225:944-945

Schukat M, McCaldin D, Wang K, Schreier G, Lovell NH, Marschollek M, Redmond SJ. Unintended Consequences of Wearable Sensor Use in Healthcare. Contribution of the IMIA Wearable Sensors in Healthcare WG Yearb Med Inform 2016;73:86

Schwartz J, Schrom H, Wolf KH, Marschollek M. Facilitating Inter-Domain Synergies in Ambient Assisted Living Environments *Stud Health Technol Inform* 2016;228:476-480

#### **Letter**

Jordan J, Albrecht UV. Applications might be subject to medical device regulation *J Hypertens* 2016;34(9):1882

#### **Buchbeiträge, Monografien**

Albrecht UV, Höhn M, von Jan U. Kapitel 2 - Gesundheits-Apps und Markt. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 62-82

Albrecht UV, Jungmann S. Kapitel 3 - Gesundheits-Apps und politische Rahmenbedingungen. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 84-99

Albrecht UV, von Jan U, Pramann O, Fangerau H. Kapitel 7 - Gesundheits-Apps im Forschungskontext. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 160-175

Albrecht UV, von Jan U. Kapitel 1 - Einführung und Begriffsbestimmungen. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 48-61

Albrecht UV, von Jan U. mHealth Apps and Their Risks - Taking Stock . In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 225-228

Albrecht UV. Kapitel 13 - Orientierung für Nutzer von Gesundheits-Apps. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 282-300

Albrecht UV. Kapitel 8 - Gesundheits-Apps und Risiken. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 176-192

Brönnér M, Meister S, Breil B, Albrecht UV. Kapitel 15 - Orientierung für Hersteller von Gesundheits-Apps. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 320-340

Fangerau H, Griemert M, Albrecht UV. Kapitel 9 - Gesundheits-Apps und Ethik. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 194-201

Fernandez-Luque L, Vilmarlund V, Borycki E, Schulz S, Kuziemsky C, Marschollek M, Kulikowski CA. Social Media as Catalyst for Connected Health: Hope or Hope? Perspectives from IMIA Working Groups *Stud Health Technol Inform* 2016;225:602-604

Hartz T, von Jan U, Albrecht UV. Kapitel 14 - Orientierung für professionelle Anwender von Gesundheits-Apps. In: Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps CHARISMHA. Hannover: Medizinische Hochschule, 2016. S. 302-319

Hillebrand U, von Jan U, Albrecht UV. Concepts for Quality Assurance of Health Related Apps . In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 209-212

Höhn M, von Jan U, Framke T, Albrecht UV. Classification of Health Related Applications. In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 139-142

Pramann O, Albrecht UV. Umgang mit Medizinprodukten in Krankenhaus und Arztpraxis nationale und internationale Rechtsgrundlagen. Düsseldorf: Deutsche Krankenhaus Verlagsgesellschaft mbH, 2016. 192 Seiten

Pustozerov E, von Jan U, Albrecht UV. Evaluation of mHealth Applications Quality Based on User Ratings . In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 237-240

Pustozerov E, von Jan U, Albrecht UV. Evaluation of mHealth Applications Security Based on Application Permissions . In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 241-244

von Jan U, Albrecht UV. Apps for Research and Research with Apps - Taking Inventory . In: Mantas J, Hasman A, Gallos P, Kolokathi A, Househ MS [Hrsg.]: Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam, Berlin, Washington: IOS Press, 2016. (Studies in health technology and informatics ; 226). S. 245-248

### **Herausgeberschaften**

Albrecht UV [Hrsg.]: Chancen und Risiken von Gesundheits-Apps (CHARISMHA). Hannover: Medizinische Hochschule, 2016. X, 353 S.

Albrecht UV [Hrsg.]: Chances and Risks of Mobile Health Apps (CHARISMHA) : Short Version. Hannover: Medizinische Hochschule, 2016. ii, 41 S.

### **Abstracts**

Behrends M, Witte M, Eckert R, Schinle M, Gietzelt M. Die Wohnung als Standort der Gesundheitsversorgung – Informatik in der guten Stube. HEC 2016: Health – Exploring Complexity. Joint Conference of GMDS, DGEpi, IEA-EEF, EFMI. München, 28.08.-02.09.2016  
Volltext: <http://dx.doi.org/10.3205/16gmds126>

Jähne-Raden N, Märtin T, Marschollek M, Heusser K, Tank J. BCG-mapping of the thorax using different sensors: First experiences and signal quality. 2016 IEEE SENSORS 2016:1-3

Jähne-Raden N, Marschollek M, Wolf KH. Wearable and Ambient Sensor Technology in Geriatric Medicine and Rehabilitation: examples, challenges and lessons learned: Bed-Exit 2.0: Workshop at HEC 2016. Workshop at HEC 2016 HEC/GMDS 2016 München

Saalfeld B, Schulze M, Bauer J, Becker M, Bente P, Dasenbrock L, Dölle M, Gietzelt M, Holtkamp K, Haux R, Hein A, Kolb G, Künemund H, Lammel-Polchau C, Marschollek M, Meis M, Meyer zu Schwabedissen H, Steen EE, Wolf KH. Zusammenhänge zwischen triaxialen Accelerometerdaten geriatrischer Probanden und Mobilitätsassessments in der Frakturrehabilitation - Beispiele aus der GAL-NATARS-Studie. HEC 2016: Health - Exploring Complexity. Joint Conference of GMDS, DGEpi, IEA-EEF, EFMI. München, 28.08.-02.09.2016  
Volltext: <http://dx.doi.org/10.3205/16gmds159>

Stegemann R, Stiller G, Behrends M, Bleidorn J, Schneider N. Der Hausbesuch beim Ehepaar K. -Lehrfilm bringt die hausärztliche Praxis in die Vorlesung. 50. Kongress für Allgemeinmedizin und Familienmedizin. Frankfurt am Main, 29.09.-01.10.2016  
Volltext: <http://dx.doi.org/10.3205/16degam144>

Tavakolian K, Blaber A, Casanella R, Jafaritad M, Jähne-Raden N, Migeotte PF, Di Renzo M, Schmidt S, Skubic M, Zanetti J, Zvika S. Second International Workshop on Ballistocardiography & Seismocardiography. CinC2016; Workshop of Computing in Cardiology 2016: Computing in Cardiology 2016 09.09.2016-11.09.2016

Tute E. OpenEHR platform concept for semantic interoperability in project HaMSTR. Biomed Tech (Berl) 2016;61(Suppl. 1):S201

### **sonstiges**

Bartsch M, Langenberg S, Gruner-Labitzke K, Schulze M, Köhler H, Crosby RD, Marschollek M, de Zwaan M, Müller A. Erratum to: Physical Activity, Decision-Making Abilities, and Eating Disturbances in Pre- and Postbariatric Surgery Patients. Obes Surg 2016;26(12):2923

### **Promotionen**

Dölle, Michael (Dr. med.): Methoden zur Identifikation von Bewegungs- und Balancemustern aus Daten tragbarer Inertialsensoren in Langzeitstudien  
MHH-Signatur: D 80376

## IFB-Tx

### IFB-Tx: Molekulare und Translationale Therapiestrategien (IMTS) – 8886

#### Originalpublikationen

Barallobre-Barreiro J, Gupta SK, Zoccarato A, Kitazume-Taneike R, Fava M, Yin X, Werner T, Hirt MN, Zampetaki A, Viviano A, Chong M, Bern M, Kourliouros A, Domenech N, Willeit P, Shah AM, Jahangiri M, Schaefer L, Fischer JW, Iozzo RV, Viner R, Thum T, Heineke J, Kichler A, Otsu K, Mayr M. Glycoproteomics Reveals Decorin Peptides With Anti-Myostatin Activity in Human Atrial Fibrillation Circulation 2016;134(11):817-832

de Gonzalo-Calvo D, Kenneweg F, Bang C, Toro R, van der Meer RW, Rijzewijk LJ, Smit JW, Lamb HJ, Llorente-Cortes V, Thum T. Circulating long-non coding RNAs as biomarkers of left ventricular diastolic function and remodelling in patients with well-controlled type 2 diabetes. Sci Rep 2016;6:37354

Goldschmidt I, Thum T, Baumann U. Circulating miR-21 and miR-29a as Markers of Disease Severity and Etiology in Cholestatic Pediatric Liver Disease. J Clin Med 2016;5(3):DOI: 10.3390/jcm5030028

Gupta SK, Foinquinos A, Thum S, Remke J, Zimmer K, Bauters C, de Groote P, Boon RA, de Windt LJ, Preissl S, Hein L, Batkai S, Pinet F, Thum T. Preclinical Development of a MicroRNA-Based Therapy for Elderly Patients With Myocardial Infarction. J Am Coll Cardiol 2016;68(14):1557-1571

Gupta SK, Itagaki R, Zheng X, Batkai S, Thum S, Ahmad F, Van Aelst LN, Sharma A, Piccoli MT, Weinberger F, Fiedler J, Heuser M, Heymans S, Falk CS, Förster R, Schrepfer S, Thum T. miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. Cardiovasc Res 2016;110(2):215-226

Hartmann D, Fiedler J, Sonnenschein K, Just A, Pfanne A, Zimmer K, Remke J, Foinquinos A, Butzlaaff M, Schimmel K, Maegdefessel L, Hilfiker-Kleiner D, Lachmann N, Schober A, Froese N, Heineke J, Bauersachs J, Batkai S, Thum T. MicroRNA-based Therapy of Gata2-deficient Vascular Disease. Circulation 2016;134(24):1973-1990

Kayacelebi AA, Schauerte C, Kling K, Herbers J, Beckmann B, Engeli S, Jordan J, Zoerner AA, Tsikas D. Cross-validated stable-isotope dilution GC-MS and LC-MS/MS assays for monoacylglycerol lipase (MAGL) activity by measuring arachidonic acid released from the endo-cannabinoid 2-arachidonoyl glycerol. J Chromatogr B Analyt Technol Biomed Life Sci 2017;1047:151-159

Kitow J, Derda AA, Beermann J, Kumarswamy R, Pfanne A, Fendrich J, Lorenzen JM, Xiao K, Bavendiek U, Bauersachs J, Thum T. Mitochondrial long noncoding RNAs as blood based biomarkers for cardiac remodeling in patients with hypertrophic cardiomyopathy Am J Physiol Heart Circ Physiol 2016;311(3):H707-12

Neumann A, Napp LC, Kleeberger JA, Benecke N, Pfanne A, Haverich A, Thum T, Bara C. MicroRNA 628-5p as a Novel Biomarker for Cardiac Allograft Vasculopathy. Transplantation 2017;101(1):e26-e33

Templin C, Volkmann J, Emmert MY, Mocharla P, Müller M, Kraenkel N, Ghadri JR, Meyer M, Styp-Rekowska B, Briand S, Klingenberg R, Jaguszewski M, Matter CM, Djonov V, Mach F, Windecker S, Hoerstrup SP, Thum T, Lüscher TF, Landmesser U. Increased Proangiogenic Activity of Mobilized CD34+ Progenitor Cells of Patients With Acute ST-Segment-Elevation Myocardial Infarction: Role of Differential Micro-RNA-378 Expression. Arterioscler Thromb Vasc Biol 2017;37(2):341-349

Ulrich V, Rotllan N, Araldi E, Luciano A, Skroblin P, Abonnenc M, Perrotta P, Yin X, Bauer A, Leslie KL, Zhang P, Aryal B, Montgomery RL, Thum T, Martin K, Suarez Y, Mayr M, Fernandez-Hernando C, Sessa WC. Chronic miR-29 antagonism promotes favorable plaque remodeling in atherosclerotic mice. EMBO Mol Med 2016;8(6):643-653

Viereck J, Kumarswamy R, Foinquinos A, Xiao K, Avramopoulos P, Kunz M, Dittrich M, Maetzig T, Zimmer K, Remke J, Just A, Fendrich J, Scherf K, Bolesani E, Schambach A, Weidemann F, Zweigerdt R, de Windt LJ, Engelhardt S, Dandekar T, Batkai S, Thum T. Long noncoding RNA Chast promotes cardiac remodeling Sci Transl Med 2016;8(326):326ra22

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. Basic Res Cardiol 2016;111(6):68

#### Übersichtsarbeiten

Bär C, Chatterjee S, Thum T. Long Noncoding RNAs in Cardiovascular Pathology, Diagnosis, and Therapy. Circulation 2016;134(19):1484-1499

Beermann J, Piccoli MT, Viereck J, Thum T. Non-coding RNAs in Development and Disease: Background, Mechanisms, and Therapeutic Approaches. *Physiol Rev* 2016;96(4):1297-1325

Bruneval P, Angelini A, Miller D, Potena L, Loupy A, Zeevi A, Reed EF, Dragun D, Reinsmoen N, Smith RN, West L, Tebbutt S, Thum T, Haas M, Mengel M, Revelo P, Fedrigo M, Duong Van Huyen JP, Berry GJ. The XIIith Banff Conference on Allograft Pathology: The Banff 2015 Heart Meeting Report: Improving Antibody-Mediated Rejection Diagnostics: Strengths, Unmet Needs, and Future Directions. *Am J Transplant* 2017;17(1):42-53

Dangwal S, Schimmel K, Foinquinos A, Xiao K, Thum T. Noncoding RNAs in Heart Failure. *Handb Exp Pharmacol* 2016;DOI: 10.1007/164\_2016\_99

Lorenzen JM, Thum T. Long noncoding RNAs in kidney and cardiovascular diseases. *Nat Rev Nephrol* 2016;12(6):360-373

Piccoli MT, Bär C, Thum T. Non-coding RNAs as modulators of the cardiac fibroblast phenotype. *J Mol Cell Cardiol* 2016;92:75-81

#### **Letter**

de Gonzalo-Calvo D, Kenneweg F, Bang C, Toro R, van der Meer RW, Rijzewijk LJ, Smit JW, Lamb HJ, Llorente-Cortes V, Thum T. Circulating Long Noncoding RNAs in Personalized Medicine: Response to Pioglitazone Therapy in Type 2 Diabetes. *J Am Coll Cardiol* 2016;68(25):2914-2916

Fiedler J, Grönniger E, Pfanne A, Brönneke S, Schmidt K, Falk CS, Wenck H, Terstegen L, Thum T, Winnefeld M. Identification of miR-126 as a new regulator of skin aging. *Exp Dermatol* 2017;26(3):284-286

#### **Editorials**

Fiedler J, Thum T. New Insights Into miR-17-92 Cluster Regulation and Angiogenesis. *Circ Res* 2016;118(1):9-11

Thum T. Novel models and mechanisms of heart failure with preserved ejection fraction. *Eur J Heart Fail* 2016;18(8):998-999

#### **Promotionen**

Martino, Filippo (Dr. med.): Circulating microRNAs are not eliminated by hemodialysis  
MHH-Signatur: D 80396

Schauerte, Celina (Dr. rer. nat.): Non-coding RNAs as novel diagnostic and therapeutic tools in murine and human kidney transplantation  
MHH-Signatur: D 80555

Viereck, Janika Margret Oda (Dr. rer. nat. M.Sc. Biotechnology): Non-coding RNAs as *theranostics* in heart, lung and circulation  
MHH-Signatur: D 80521

## **IFB-Tx: Zelltherapeutika – 8885**

#### **Originalpublikationen**

Bogdanou D, Penna-Martinez M, Filmann N, Chung TL, Moran-Auth Y, Wehrle J, Cappel C, Huenecke S, Herrmann E, Koehl U, Badenhoop K. T-lymphocyte and glycemic status after vitamin D treatment in type 1 diabetes: A randomized controlled trial with sequential crossover. *Diabetes Metab Res Rev* 2017;33(3):e2865

Gerstner S, Köhler W, Heidkamp G, Purbojo A, Uchida S, Ekici AB, Heger L, Luetke-Eversloh M, Schubert R, Bader P, Klingebiel T, Koehl U, Mackensen A, Romagnani C, Cesnjevar R, Dudziak D, Ullrich E. Specific phenotype and function of CD56-expressing innate immune cell subsets in human thymus. *J Leukoc Biol* 2016;100(6):1297-1310

Huenecke S, Brems M, Cappel C, Esser R, Quaiser A, Bonig H, Jarisch A, Soerensen J, Klingebiel T, Bader P, Koehl U. Optimization of individualized graft composition: CD3/CD19 depletion combined with CD34 selection for haploidentical transplantation. *Transfusion* 2016;56(9):2336-2345

Huenecke S, Fryns E, Wittekindt B, Buxmann H, Königs C, Quaiser A, Fischer D, Brems M, Klingebiel T, Koehl U, Schloesser R, Bochenek K. Percentiles of Lymphocyte Subsets in Preterm Infants According to Gestational Age Compared to Children and Adolescents. *Scand J Immunol* 2016;84(5):291-298

Priesner C, Aleksandrova K, Esser R, Mockel-Tenbrinck N, Leise J, Drechsel K, Marburger M, Quaiser A, Goudeva L, Arseniev L, Kaiser A, Glenke W, Koehl U. Automated enrichment, transduction and expansion of clinical-scale CD62L+ T cells for manufacturing of GTMPs. *Hum Gene Ther* 2016;DOI: 10.1089/hum.2016.091

Priesner C, Esser R, Tischer S, Marburger M, Aleksandrova K, Maecker-Kolhoff B, Heuft HG, Goudeva L, Blasczyk R, Arseniev L, Köhl U, Eiz-Vesper B, Klöss S. Comparative Analysis of Clinical-Scale IFN-gamma-Positive T-Cell Enrichment Using Partially and Fully Integrated Platforms. *Front Immunol* 2016;7:393

Roemer A, Köhl U, Majdani O, Klöß S, Falk C, Haumann S, Lenarz T, Kral A, Warnecke A. Biohybrid cochlear implants in human neurosensory restoration. *Stem Cell Res Ther* 2016;7(1):148

Vyas M, Schneider AC, Shatnyeva O, Reiners KS, Tawadros S, Kloess S, Köhl U, Hallek M, Hansen HP, Pogge von Strandmann E. Mono- and dual-targeting triplebodies activate natural killer cells and have anti-tumor activity in vitro and in vivo against chronic lymphocytic leukemia. *Oncoimmunology* 2016;5(9):e1211220

### Übersichtsarbeiten

Koehl U, Kalberer C, Spanholz J, Lee DA, Miller JS, Cooley S, Lowdell M, Uharek L, Klingemann H, Curti A, Leung W, Alici E. Advances in clinical NK cell studies: Donor selection, manufacturing and quality control. *Oncoimmunology* 2015;5(4):e1115178

### Herausgeberschaften

Sack U [Hrsg.]: Zelluläre Diagnostik und Therapie. Berlin Boston: De Gruyter, 2016. XV, 426 S.

## IFB-Tx :Transplantationsimmunologie – 8889

### Originalpublikationen

Exterkate L, Slegtenhorst BR, Kelm M, Seyda M, Schuitemaker JM, Quante M, Uehara H, El Khal A, Tullius SG. Frailty and Transplantation. *Transplantation* 2016;100(4):727-733

Gisa A, Suneetha PV, Behrendt P, Pischke S, Bremer B, Falk CS, Manns MP, Cornberg M, Wedemeyer H, Kraft AR. Cross-genotype-specific T-cell responses in acute hepatitis E virus (HEV) infection. *J Viral Hepat* 2016;23(4):305-315

Gupta SK, Itagaki R, Zheng X, Batkai S, Thum S, Ahmad F, Van Aelst LN, Sharma A, Piccoli MT, Weinberger F, Fiedler J, Heuser M, Heymans S, Falk CS, Förster R, Schrepfer S, Thum T. miR-21 promotes fibrosis in an acute cardiac allograft transplantation model. *Cardiovasc Res* 2016;110(2):215-226

Halama N, Zoernig I, Berthel A, Kahlert C, Klupp F, Suarez-Carmona M, Suetterlin T, Brand K, Krauss J, Lasitschka F, Lerchl T, Luckner-Minden C, Ulrich A, Koch M, Weitz J, Schneider M, Buechler MW, Zitvogel L, Herrmann T, Benner A, Kunz C, Luecke S, Springfield C, Grabe N, Falk CS, Jaeger D. Tumoral Immune Cell Exploitation in Colorectal Cancer Metastases Can Be Targeted Effectively by Anti-CCR5 Therapy in Cancer Patients. *Cancer Cell* 2016;29(4):587-601

Hengst J, Falk CS, Schlaphoff V, Deterding K, Manns MP, Cornberg M, Wedemeyer H. Direct-Acting Antiviral-Induced Hepatitis C Virus Clearance Does Not Completely Restore the Altered Cytokine and Chemokine Milieu in Patients With Chronic Hepatitis C. *J Infect Dis* 2016;214(12):1965-1974

Höner Zu Siederdissen C, Rinker F, Maasoumy B, Wiegand SB, Filmann N, Falk CS, Deterding K, Port K, Mix C, Manns MP, Herrmann E, Wedemeyer H, Kraft AR, Cornberg M. Viral and Host Responses After Stopping Long-term Nucleos(t)ide Analogue Therapy in HBeAg-Negative Chronic Hepatitis B. *J Infect Dis* 2016;214(10):1492-1497

Krenzien F, Quante M, Heinboekel T, Seyda M, Minami K, Uehara H, Biefer HR, Schuitemaker JM, Gabardi S, Splith K, Schmelzle M, Petrides AK, Azuma H, Pratschke J, Li XC, El Khal A, Tullius SG. Age-Dependent Metabolic and Immunosuppressive Effects of Tacrolimus. *Am J Transplant* 2017;17(5):1242-1254

Roemer A, Köhl U, Majdani O, Klöß S, Falk C, Haumann S, Lenarz T, Kral A, Warnecke A. Biohybrid cochlear implants in human neurosensory restoration. *Stem Cell Res Ther* 2016;7(1):148

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. *J Immunol* 2016;196(8):3245-3252

Samarin J, Laketa V, Malz M, Roessler S, Stein I, Horwitz E, Singer S, Dimou E, Cigliano A, Bissinger M, Falk CS, Chen X, Dooley S, Pikarsky E, Calvisi DF, Schultz C, Schirmacher P, Breuhahn K. PI3K/AKT/mTOR-dependent stabilization of oncogenic far-upstream element binding proteins in hepatocellular carcinoma cells. *Hepatology* 2016;63(3):813-826

Siemeni T, Knöfel AK, Madrahimov N, Sommer W, Avsar M, Salman J, Ius F, Frank N, Büchler G, Jonigk D, Jansson K, Maus U, Tudorache I, Falk CS, Haverich A, Warnecke G. In Vivo Development of Transplant Arteriosclerosis in Humanized Mice Reflects Alloantigen Recognition and Peripheral Treg Phenotype of Lung Transplant Recipients. *Am J Transplant* 2016;16(11):3150-3162

Wolf B, Krieg K, Falk C, Breuhahn K, Keppeler H, Biedermann T, Schmid E, Warmann S, Fuchs J, Vetter S, Thiele D, Nieser M, Avci-Adali M, Skokowa Y, Schöls L, Hauser S, Ringelhan M, Yevsa T, Heikenwalder M, Kossatz-Boehlert U. Inducing Differentiation of Premalignant Hepatic Cells as a Novel Therapeutic Strategy in Hepatocarcinoma. *Cancer Res* 2016;76(18):5550-5561

### Übersichtsarbeiten

Oldhafer F, Bock M, Falk CS, Vondran FW. Immunological aspects of liver cell transplantation. *World J Transplant* 2016;6(1):42-53

Seyda M, Elkhal A, Quante M, Falk CS, Tullius SG. T Cells Going Innate. *Trends Immunol* 2016;37(8):546-556

### Letter

Fiedler J, Grönninger E, Pfanne A, Brönneke S, Schmidt K, Falk CS, Wenck H, Terstegen L, Thum T, Winnefeld M. Identification of miR-126 as a new regulator of skin aging. *Exp Dermatol* 2017;26(3):284-286

### Promotionen

Akhdar, Ali (Dr. rer. nat.): The role of NK cells and the microenvironment in the context of solid organ transplantation  
MHH-Signatur: D 80694

## Zentrum für experimentelle und klinische Infektionsforschung (TwinCore)

### TwinCore - Experimentelle Infektionsforschung – 9651

#### Originalpublikationen

Abou-El-Enein M, Schneider CK. Deciphering the EU clinical trials regulation *Nat Biotechnol* 2016;34(3):231-233

Akmatov MK, Stumme M, Pessler F. Real-life practice of methotrexate toxicity monitoring in juvenile idiopathic arthritis in Germany, Switzerland and Austria: results of a cross-sectional assessment conducted in 2012 *Clin Exp Rheumatol* 2016;34(3):548-553

Andzinski L, Spanier J, Kasnitz N, Kröger A, Jin L, Brinkmann MM, Kalinke U, Weiss S, Jablonska J, Lienenklaus S. Growing tumors induce a local STING dependent Type I IFN response in dendritic cells *Int J Cancer* 2016;139(6):1350-1357

Blank T, Detje CN, Spiess A, Hagemeyer N, Brendecke SM, Wolfart J, Staszewski O, Zöller T, Papageorgiou I, Schneider J, Paricio-Montesinos R, Eisel UL, Manahan-Vaughan D, Jansen S, Lienenklaus S, Lu B, Imai Y, Müller M, Goelz SE, Baker DP, Schwaninger M, Kann O, Heikenwalder M, Kalinke U, Prinz M. Brain Endothelial- and Epithelial-Specific Interferon Receptor Chain 1 Drives Virus-Induced Sickness Behavior and Cognitive Impairment. *Immunity* 2016;44(4):901-912

Castiglia V, Piersigilli A, Ebner F, Janos M, Goldmann O, Damböck U, Kröger A, Weiss S, Knapp S, Jamieson AM, Kirschning C, Kalinke U, Strobl B, Müller M, Stoiber D, Lienenklaus S, Kovarik P. Type I Interferon Signaling Prevents IL-1beta-Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. *Cell Host Microbe* 2016;19(3):375-387

de Araujo LS, Vaas LA, Ribeiro-Alves M, Geffers R, Mello FC, de Almeida AS, Moreira AD, Kritski AL, Lapa E Silva JR, Moraes MO, Pessler F, Saad MH. Transcriptomic Biomarkers for Tuberculosis: Evaluation of DOCK9, EPHA4, and NPC2 mRNA Expression in Peripheral Blood. *Front Microbiol* 2016;7:1586

De Beuckelaer A, Pollard C, Van Lint S, Roose K, Van Hoecke L, Naessens T, Udhayakumar VK, Smet M, Sanders N, Lienenklaus S, Saelens X, Weiss S, Vanham G, Grootenhuis J, De Koker S. Type I Interferons Interfere with the Capacity of mRNA Lipoplex Vaccines to Elicit Cytolytic T Cell Responses. *Mol Ther* 2016;24(11):2012-2020

Elsaman AM, Muhammad EM, Pessler F. Sonographic Findings in Gouty Arthritis: Diagnostic Value and Association with Disease Duration. *Ultrasound Med Biol* 2016;42(6):1330-1336

Frenz T, Grabski E, Buschjäger D, Vaas LA, Burgdorf N, Schmidt RE, Witte T, Kalinke U. CD4(+) T cells in patients with chronic inflammatory rheumatic disorders show distinct levels of exhaustion. *J Allergy Clin Immunol* 2016;138(2):586-589.e10

Grine L, Steeland S, Van Ryckeghem S, Ballegeer M, Lienenlaus S, Weiss S, Sanders NN, Vandenbroucke RE, Libert C. Topical imiquimod yields systemic effects due to unintended oral uptake. *Sci Rep* 2016;6:20134

Hendel N, Akmatov MK, Hamel J, Vogelberg C, Pessler F. Exhaled breath analysis in childhood rheumatic disorders--a longitudinal study. *J Breath Res* 2016;10(2):021001

Kochs G, Anzaghe M, Kronhart S, Wagner V, Gogesch P, Scheu S, Lienenlaus S, Waibler Z. In Vivo Conditions Enable IFNAR-Independent Type I Interferon Production by Peritoneal CD11b+ Cells upon Thogoto Virus Infection. *J Virol* 2016;90(20):9330-9337

Lambrecht L, Vanvarenberg K, De Beuckelaer A, Van Hoecke L, Grooten J, Ucakar B, Lipnik P, Sanders NN, Lienenlaus S, Prat V, Vandemeulen G. Coadministration of a Plasmid Encoding HIV-1 Gag Enhances the Efficacy of Cancer DNA Vaccines. *Mol Ther* 2016;24(9):1686-1696

Lückhoff A, Caramoy A, Scholz R, Prinz M, Kalinke U, Langmann T. Interferon-beta signaling in retinal mononuclear phagocytes attenuates pathological neovascularization. *EMBO Mol Med* 2016;8(6):670-678

Maier BB, Hladik A, Lakovits K, Korosec A, Martins R, Kral JB, Mesteri I, Strobl B, Müller M, Kalinke U, Merad M, Knapp S. Type I interferon promotes alveolar epithelial type II cell survival during pulmonary Streptococcus pneumoniae infection and sterile lung injury in mice. *Eur J Immunol* 2016;46(9):2175-2186

Nuhn L, Vanparijs N, De Beuckelaer A, Lybaert L, Verstraete G, Deswarte K, Lienenlaus S, Shukla NM, Salyer AC, Lambrecht BN, Grooten J, David SA, De Koker S, De Geest BG. pH-degradable imidazoquinoline-ligated nanogels for lymph node-focused immune activation. *Proc Natl Acad Sci U S A* 2016;113(29):8098-8103

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Peschke K, Achleitner M, Frenzel K, Gerbaulet A, Ada SR, Zeller N, Lienenlaus S, Lesche M, Poulet C, Naumann R, Dahl A, Ravens U, Günther C, Müller W, Knobeloch KP, Prinz M, Roers A, Behrendt R. Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. *J Immunol* 2016;197(6):2157-2166

Pfaender S, Grabski E, Detje CN, Riebesehl N, Lienenlaus S, Steinmann E, Kalinke U, Pietschmann T. Hepatitis C Virus Stimulates Murine CD8alpha-Like Dendritic Cells to Produce Type I Interferon in a TRIF-Dependent Manner. *PLoS Pathog* 2016;12(7):e1005736

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenlaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Schweitzer A, Pessler F, Akmatov MK. Impact of rotavirus vaccination on coverage and timing of pentavalent vaccination - Experience from 2 Latin American countries. *Hum Vaccin Immunother* 2016;12(5):1250-1256

Weißmüller S, Kronhart S, Kreuz D, Schnierle B, Kalinke U, Kirberg J, Hanschmann KM, Waibler Z. TGN1412 Induces Lymphopenia and Human Cytokine Release in a Humanized Mouse Model. *PLoS One* 2016;11(3):e0149093

## Übersichtsarbeiten

Samir M, Pessler F. Small Non-coding RNAs Associated with Viral Infectious Diseases of Veterinary Importance: Potential Clinical Applications. *Front Vet Sci* 2016;3:22

Samir M, Vaas LA, Pessler F. MicroRNAs in the Host Response to Viral Infections of Veterinary Importance. *Front Vet Sci* 2016;3:86

## Promotionen

Buschjäger, Daniela (Dr. rer. nat.): Phenotypic and functional characterization of T cells from patients with rheumatic diseases  
MHH-Signatur: D 80393

Graalmann, Lukas (Dr. med.): Die zelluläre Basis der Virus-vermittelten Induktion von Typ I Interferonantworten  
MHH-Signatur: D 80406

Hirche, Christoph (PhD Immunology Vet. Med.): Impact of virus infections on long-term hematopoietic stem cells  
MHH-Signatur: D 80171

Nooruzzaman, Mohammed (PhD M.Sc.): Genetic variations in the interferon lambda locus alter the functionality of primary human plasmacytoid dendritic cells  
MHH-Signatur: D 80503

Paijo, Jennifer (Dr. rer. nat.): The molecular mechanism of human cytomegalovirus-induced type I interferon responses in human myeloid cells  
MHH-Signatur: D 80610

Pohl, Sarah (Dr. rer. nat.): Transcriptional profiling of clinical *Pseudomonas aeruginosa* isolates  
MHH-Signatur: D 80683

Rössel, Anja (Dr. med.): Application of the Biolog Phenotype MicroArray™ to study changes in host cell metabolism during influenza A virus infection  
MHH-Signatur: D 80705

Samir Ahmed Mohamed, Mohamed (Dr. med. vet.): MicroRNAs as biomarkers in the host response to influenza A virus infection in humans and animals

Ziegler, Annett (Dr. rer. nat.): Preclinical analysis of a new RNA-based adjuvant with a favorable safety profile  
MHH-Signatur: D 80405

#### **Masterarbeiten**

Kinast, Volker (M.Sc.): Analysis of myeloid cell-mediated antiviral effects against human cytomegalovirus infection

Klause, Tanja (M.Sc.): Analysis of the role of hepatocytes in type I interferon signaling during Coxsackievirus B3 infection

## **TwinCore - Experimentelle Virologie – 9652**

#### **Originalpublikationen**

Anggakusuma, Brown RJ, Banda DH, Todt D, Vieyres G, Steinmann E, Pietschmann T. Hepacivirus NS3/4A Proteases Interfere with MAVS Signaling in both Their Cognate Animal Hosts and Humans: Implications for Zoonotic Transmission. *J Virol* 2016;90(23):10670-10681

Behrendt P, Bremer B, Todt D, Brown RJ, Heim A, Manns MP, Steinmann E, Wedemeyer H. Hepatitis E Virus (HEV) ORF2 Antigen Levels Differentiate Between Acute and Chronic HEV Infection. *J Infect Dis* 2016;214(3):361-368

Behrendt P, Lüth S, Dammermann W, Drave S, Brown RJ, Todt D, Schnoor U, Steinmann E, Wedemeyer H, Pischke S, Iking-Konert C. Exacerbation of hepatitis E virus infection during anti-TNFalpha treatment. *Joint Bone Spine* 2017;84(2):217-219

Drave SA, Debing Y, Walter S, Todt D, Engelmann M, Friesland M, Wedemeyer H, Neyts J, Behrendt P, Steinmann E. Extra-hepatic replication and infection of hepatitis E virus in neuronal-derived cells. *J Viral Hepat* 2016;23(7):512-521

Gather T, Walter S, Pfaender S, Todt D, Feige K, Steinmann E, Cavalleri JM. Acute and chronic infections with nonprimate hepacivirus in young horses. *Vet Res* 2016;47(1):97

Gather T, Walter S, Todt D, Pfaender S, Brown RJ, Postel A, Becher P, Moritz A, Hansmann F, Baumgaertner W, Feige K, Steinmann E, Cavalleri JV. Vertical transmission of hepatitis C virus-like non-primate hepacivirus in horses. *J Gen Virol* 2016;97(10):2540-2551

Heidrich B, Steinmann E, Plumeier I, Kirschner J, Sollik L, Ziegert S, Engelmann M, Lehmann P, Manns MP, Pieper DH, Wedemeyer H. Frequent detection of HCV RNA and HCVCoreAg in stool of patients with chronic hepatitis C. *J Clin Virol* 2016;80:1-7

Ionidis G, Hübscher J, Jack T, Becker B, Bischoff B, Todt D, Hodasa V, Brill FH, Steinmann E, Steinmann J. Development and virucidal activity of a novel alcohol-based hand disinfectant supplemented with urea and citric acid. *BMC Infect Dis* 2016;16:77

Klotz U, Schmidt D, Willinger B, Steinmann E, Buer J, Rath PM, Steinmann J. Echinocandin resistance and population structure of invasive *Candida glabrata* isolates from two university hospitals in Germany and Austria Mycoses 2016;59(5):312-318

Krull M, Klare I, Ross B, Trenschel R, Beelen DW, Todt D, Steinmann E, Buer J, Rath PM, Steinmann J. Emergence of linezolid- and vancomycin-resistant *Enterococcus faecium* in a department for hematologic stem cell transplantation Antimicrob Resist Infect Control 2016;5:31

Pfaender S, Grabski E, Detje CN, Riebesehl N, Lienenklaus S, Steinmann E, Kalinke U, Pietschmann T. Hepatitis C Virus Stimulates Murine CD8alpha-Like Dendritic Cells to Produce Type I Interferon in a TRIF-Dependent Manner. PLoS Pathog 2016;12(7):e1005736

Pfaender S, Vielle NJ, Ebert N, Steinmann E, Alves MP, Thiel V. Inactivation of Zika virus in human breast milk by prolonged storage or pasteurization Virus Res 2017;228:58-60

Postel A, Cavalleri JM, Pfaender S, Walter S, Steinmann E, Fischer N, Feige K, Haas L, Becher P. Frequent presence of hepaciviruses in commercial equine serum pools Vet Microbiol 2016;182:8-14

Siddharta A, Pfaender S, Malassa A, Doerrbecker J, Anggakusuma, Engelmann M, Nugraha B, Steinmann J, Todt D, Vondran FW, Mateu-Gelabert P, Goffinet C, Steinmann E. Inactivation of HCV and HIV by microwave: a novel approach for prevention of virus transmission among people who inject drugs Sci Rep 2016;6:36619

Todt D, François C, Anggakusuma, Behrendt P, Engelmann M, Knegendorf L, Vieyres G, Wedemeyer H, Hartmann R, Pietschmann T, Duverlie G, Steinmann E. Antiviral Activities of Different Interferon Types and Subtypes against Hepatitis E Virus Replication Antimicrob Agents Chemother 2016;60(4):2132-2139

Todt D, Gisa A, Radonic A, Nitsche A, Behrendt P, Suneetha PV, Pischke S, Bremer B, Brown RJ, Manns MP, Cornberg M, Bock CT, Steinmann E, Wedemeyer H. In vivo evidence for ribavirin-induced mutagenesis of the hepatitis E virus genome. Gut 2016;65(10):1733-1743

Vieyres G, Welsch K, Gerold G, Gentzsch J, Kahl S, Vondran FW, Kaderali L, Pietschmann T. ABHD5/CGI-58, the Chanarin-Dorfman Syndrome Protein, Mobilises Lipid Stores for Hepatitis C Virus Production PLoS Pathog 2016;12(4):e1005568

von Schaewen M, Dorner M, Hueging K, Foquet L, Gerges S, Hrebikova G, Heller B, Bitzegeio J, Doerrbecker J, Horwitz JA, Gerold G, Suerbaum S, Rice CM, Meuleman P, Pietschmann T, Ploss A. Expanding the Host Range of Hepatitis C Virus through Viral Adaptation. MBio 2016;7(6):10.1128/mBio.01915-10.1128/mBio.01916

Walter S, Bollenbach A, Doerrbecker J, Pfaender S, Brown RJ, Vieyres G, Scott C, Foster R, Kumar A, Zitzmann N, Griffin S, Penin F, Pietschmann T, Steinmann E. Ion Channel Function and Cross-Species Determinants in Viral Assembly of Nonprimate Hepacivirus p7 J Virol 2016;90(10):5075-5089

Walter S, Rasche A, Moreira-Soto A, Pfaender S, Bletscha M, Corman VM, Aguilar-Setien A, García-Lacy F, Hans A, Todt D, Schuler G, Shnaierman-Torban A, Steinman A, Roncoroni C, Veneziano V, Rusenova N, Sandev N, Rusenov A, Zapryanova D, García-Bocanegra I, Jores J, Carluccio A, Veronesi MC, Cavalleri JM, Drosten C, Lemey P, Steinmann E, Drexler JF. Differential Infection Patterns and Recent Evolutionary Origins of Equine Hepaciviruses in Donkeys J Virol 2016;91(1):e01711-16

Xu S, Ducroux A, Ponnurangam A, Vieyres G, Franz S, Müsken M, Zillinger T, Malassa A, Ewald E, Hornung V, Barchet W, Häussler S, Pietschmann T, Goffinet C. cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. Cell Host Microbe 2016;20(4):443-457

## Übersichtsarbeiten

Pfaender S, von Hahn T, Steinmann J, Ciesek S, Steinmann E. Prevention strategies for blood-borne viruses-in the Era of vaccines, direct acting antivirals and antiretroviral therapy Rev Med Virol 2016;26(5):330-339

Pietschmann T. Clinically Approved Ion Channel Inhibitors Close Gates for Hepatitis C Virus and Open Doors for Drug Repurposing in Infectious Viral Diseases J Virol 2017;91(2):DOI: 10.1128/JVI.01914-16

Todt D, Walter S, Brown RJ, Steinmann E. Mutagenic Effects of Ribavirin on Hepatitis E Virus-Viral Extinction versus Selection of Fitness-Enhancing Mutations Viruses 2016;8(10):E283

## Letter

Weller R, Todt D, Engelmann M, Friesland M, Wedemeyer H, Pietschmann T, Steinmann E. Apolipoprotein E polymorphisms and their protective effect on hepatitis E virus replication. Hepatology 2016;64(6):2274-2276

## **Editorials**

Bankwitz D, Pietschmann T. Hepatitis C virus plays hide and seek with neutralizing antibodies *Hepatology* 2016;64(6):1840-1842

## **Promotionen**

Xu, Shuting (Dr. rer. nat.): Intercellular transfer of cGAS-dependent innate immunity in the context of HIV-1 Env glycoprotein-mediated cell-cell fusion  
MHH-Signatur: D 80467

## **TwinCore - Infektionsimmunologie – 9653**

### **Originalpublikationen**

Knuschke T, Rotan O, Bayer W, Sokolova V, Hansen W, Sparwasser T, Dittmer U, Epple M, Buer J, Westendorf AM. Combination of nanoparticle-based therapeutic vaccination and transient ablation of regulatory T cells enhances anti-viral immunity during chronic retroviral infection. *Retrovirology* 2016;13:24

Mykwick N, Herrmann AM, Schwab N, Deenen R, Sparwasser T, Limmer A, Wachsmuth L, Klotz L, Köhrer K, Faber C, Wiendl H, Luger TA, Meuth SG, Loser K. Melanocortin-1 receptor activation is neuroprotective in mouse models of neuroinflammatory disease. *Sci Transl Med* 2016;8(362):362ra146

Navarro S, Pickering DA, Ferreira IB, Jones L, Ryan S, Troy S, Leech A, Hotez PJ, Zhan B, Laha T, Prentice R, Sparwasser T, Croese J, Engwerda CR, Upham JW, Julia V, Giacomin PR, Loukas A. Hookworm recombinant protein promotes regulatory T cell responses that suppress experimental asthma. *Sci Transl Med* 2016;8(362):362ra143

Perdicchio M, Ilarregui JM, Verstege MI, Cornelissen LA, Schetters ST, Engels S, Ambrosini M, Kalay H, Veninga H, den Haan JM, van Berkel LA, Samsom JN, Crocker PR, Sparwasser T, Berod L, Garcia-Vallejo JJ, van Kooyk Y, Unger WW. Sialic acid-modified antigens impose tolerance via inhibition of T-cell proliferation and de novo induction of regulatory T cells. *Proc Natl Acad Sci U S A* 2016;113(12):3329-3334

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Raha S, Raud B, Oberdörfer L, Castro CN, Schreder A, Freitag J, Longerich T, Lochner M, Sparwasser T, Berod L, Koenecke C, Prinz I. Disruption of de novo fatty acid synthesis via acetyl-CoA carboxylase 1 inhibition prevents acute graft-versus-host disease. *Eur J Immunol* 2016;46(9):2233-2238

### **Übersichtsarbeiten**

Berod L, Sparwasser T. pDCs Take a Deep Breath to Fight Viruses. *Immunity* 2016;44(6):1246-1248

Buettner M, Lochner M. Development and Function of Secondary and Tertiary Lymphoid Organs in the Small Intestine and the Colon. *Front Immunol* 2016;7:342

Freitag J, Berod L, Kamradt T, Sparwasser T. Immunometabolism and autoimmunity. *Immunol Cell Biol* 2016;94(10):925-934

## **Promotionen**

Dudek, Markus (Dr. rer. nat. M.Sc. Molecular and Cellular Biology): The role of cell type specific MyD88 signalling in host defence against pulmonary *S. pneumoniae* infection  
MHH-Signatur: D 80180

Friedrich, Christin (Dr. rer. nat.): Metabolic control and intestinal cell type-specific induction of TH17 cell development  
MHH-Signatur: D 80408

Ghorbani, Peyman (PhD Infection Biology M.Sc.): The role of CD103+ dendritic cells in the control of *Listeria monocytogenes* infection  
MHH-Signatur: D 80557

Solmaz, Gülsas (PhD Infection Immunology M.Sc. Biology): Importance of TLR7 signalling in lymph-borne VSV replication and onset of CNS invasion  
MHH-Signatur: D 80172

## TwinCore: Institut für Molekulare Bakteriologie – 9641

### Originalpublikationen

Binder SC, Eckweiler D, Schulz S, Bielecka A, Nicolai T, Franke R, Häussler S, Meyer-Hermann M. Functional modules of sigma factor regulons guarantee adaptability and evolvability Sci Rep 2016;6:22212

Felgner S, Frahm M, Kocjancic D, Rohde M, Eckweiler D, Bielecka A, Bueno E, Cava F, Abraham WR, Curtiss R, Häussler S, Erhardt M, Weiss S. aroA-Deficient *Salmonella enterica* Serovar Typhimurium Is More Than a Metabolically Attenuated Mutant MBio 2016;7(5):DOI: 10.1128/mBio.01220-16

Ghanbari A, Dehghany J, Schwebs T, Müsken M, Häussler S, Meyer-Hermann M. Inoculation density and nutrient level determine the formation of mushroom-shaped structures in *Pseudomonas aeruginosa* biofilms. Sci Rep 2016;6:32097

Hornischer K, Häussler S. Diagnostics and Resistance Profiling of Bacterial Pathogens. Curr Top Microbiol Immunol 2016;398:89-102

Khaledi A, Schniederjans M, Pohl S, Rainer R, Bodenhofer U, Xia B, Klawonn F, Bruchmann S, Preusse M, Eckweiler D, Dötsch A, Häussler S. Transcriptome Profiling of Antimicrobial Resistance in *Pseudomonas aeruginosa* Antimicrob Agents Chemother 2016;60(8):4722-4733

Krueger J, Pohl S, Preusse M, Kordes A, Rugen N, Schniederjans M, Pich A, Häussler S. Unravelling post-transcriptional PrmC-dependent regulatory mechanisms in *Pseudomonas aeruginosa*. Environ Microbiol 2016;18(10):3583-3592

Pusic P, Tata M, Wolfinger MT, Sonnleitner E, Häussler S, Bläsi U. Cross-regulation by CrcZ RNA controls anoxic biofilm formation in *Pseudomonas aeruginosa*. Sci Rep 2016;6:39621

Sommer R, Wagner S, Varrot A, Nyholat CM, Khaledi A, Häussler S, Paulson JC, Imbert A, Titz A. The virulence factor LecB varies in clinical isolates: consequences for ligand binding and drug discovery. Chem Sci 2016;7(8):4990-5001

Tata M, Wolfinger MT, Amman F, Roschanski N, Dötsch A, Sonnleitner E, Häussler S, Bläsi U. RNASeq Based Transcriptional Profiling of *Pseudomonas aeruginosa* PA14 after Short- and Long-Term Anoxic Cultivation in Synthetic Cystic Fibrosis Sputum Medium PLoS One 2016;11(1):e0147811

Xu S, Ducroux A, Ponnurangam A, Vieyres G, Franz S, Müsken M, Zillinger T, Malassa A, Ewald E, Hornung V, Barchet W, Häussler S, Pietschmann T, Goffinet C. cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. Cell Host Microbe 2016;20(4):443-457

### Übersichtsarbeiten

Lorenz A, Pawar V, Häussler S, Weiss S. Insights into host-pathogen interactions from state-of-the-art animal models of respiratory *Pseudomonas aeruginosa* infections FEBS Lett 2016;590(21):3941-3959

### Promotionen

Pohl, Sarah (Dr. rer. nat.): Transcriptional profiling of clinical *Pseudomonas aeruginosa* isolates

### Masterarbeiten

Bauer, Antje (M.Sc.): Untersuchung von Biofilmmatrix-assoziierten Resistenzmechanismen klinischer *Pseudomonas aeruginosa* Isolate

Seupt, Alexander (M.Sc.): The impact of multidrug resistance on the fitness of *Pseudomonas aeruginosa* under different environmental conditions

## Biobank – 9160

### Originalpublikationen

Bernemann I, Kersting M, Prokein J, Hummel M, Klopp N, Illig T. Zentralisierte Biobanken als Grundlage für die medizinische Forschung. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2016;59(3):336-343

Chin WW, Wieschowski S, Prokein J, Illig T, Strech D. Ethics Reporting in Biospecimen and Genetic Research: Current Practice and Suggestions for Changes. PLoS Biol 2016;14(8):e1002521

Ehret GB, Ferreira T, Chasman DI, Jackson AU, Schmidt EM, Johnson T, Thorleifsson G, Luan J, Donnelly LA, Kanoni S, Petersen AK, Pihur V, Strawbridge RJ, Shungin D, Hughes MF, Meirelles O, Kaakinen M, Bouatia-Naji N, Kristiansson K, Shah S, Kleber ME, Guo X, Lyttikainen LP, Fava C, Eriksson N, Nolte IM, Magnusson PK, Salfati EL, Rallidis LS, Theusch E, Smith AJ, Folkersen L, Witkowska K, Pers TH, Joehanes R, Kim SK, Lataniotis L, Jansen R, Johnson AD, Warren H, Kim YJ, Zhao W, Wu Y, Tayo BO, Bochud M, CHARGE-EchoGen Consortium, CHARGE-HF Consortium, Wellcome Trust Case Control Consortium, Absher D, Adair LS, Amin N, Arking DE, Axelsson T, Baldassarre D, Balkau B, Bandinelli S, Barnes MR, Barroso I, Bevan S, Bis JC, Björnsdóttir G, Boehnke M, Boerwinkle E, Bonnycastle LL, Boomsma DI, Bornstein SR, Brown MJ, Burnier M, Cabrera CP, Chambers JC, Chang IS, Cheng CY, Chines PS, Chung RH, Collins FS, Connell JM, Doring A, Dallongeville J, Danesh J, de Faire U, Delgado G, Dominiczak AF, Doney AS, Drenos F, Edkins S, Eicher JD, Elosua R, Enroth S, Erdmann J, Eriksson P, Esko T, Evangelou E, Evans A, Fall T, Farrall M, Felix JF, Ferrieres J, Ferrucci L, Fornage M, Forrester T, Franceschini N, Franco OH, Franco-Cereceda A, Fraser RM, Ganesh SK, Gao H, Gertow K, Gianfagna F, Gigante B, Giulianini F, Goel A, Goodall AH, Goodarzi MO, Gorski M, Grassler J, Groves CJ, Gudnason V, Gyllensten U, Hallmans G, Hartikainen AL, Hassinen M, Havulinna AS, Hayward C, Hercberg S, Herzig KH, Hicks AA, Hingorani AD, Hirschhorn JN, Hofman A, Holmen J, Holmen OL, Hottenga JJ, Howard P, Hsiung CA, Hunt SC, Ikram MA, Illig T, Iribarren C, Jensen RA, Kahonen M, Kang HM, Kathiresan S, Keating BJ, Khaw KT, Kim YK, Kim E, Kivimaki M, Klopp N, Kolovou G, Komulainen P, Kooner JS, Kosova G, Krauss RM, Kuh D, Kutalik Z, Kuusisto J, Kvaloy K, Lakka TA, Lee NR, Lee IT, Lee WJ, Levy D, Li X, Liang KW, Lin H, Lin L, Lindstrom J, Lobbens S, Mannisto S, Muller G, Muller-Nurasyid M, Mach F, Markus HS, Marouli E, McCarthy MI, McKenzie CA, Meneton P, Menni C, Metspalu A, Mijatovic V, Moilanen L, Montasser ME, Morris AD, Morrison AC, Mulas A, Nagaraja R, Narisu N, Nikus K, O'Donnell CJ, O'Reilly PF, Ong KK, Paccaud F, Palmer CD, Parsa A, Pedersen NL, Penninx BW, Perola M, Peters A, Poulter N, Pramstaller PP, Psaty BM, Quertermous T, Rao DC, Rasheed A, Rayner NW, Renstrom F, Rettig R, Rice KM, Roberts R, Rose LM, Rossouw J, Samani NJ, Sanna S, Saramies J, Schunkert H, Sebert S, Sheu WH, Shin YA, Sim X, Smit JH, Smith AV, Sosa MX, Spector TD, Stancakova A, Stanton AV, Stirrups KE, Stringham HM, Sundstrom J, Swift AJ, Syvanen AC, Tai ES, Tanaka T, Tarasov KV, Teumer A, Thorsteinsdóttir U, Tobin MD, Tremoli E, Uitterlinden AG, Uusitupa M, Vaez A, Vaidya D, van Duijn CM, van Iperen EP, Vasan RS, Verwoert GC, Virtamo J, Vitart V, Voight BF, Vollenweider P, Wagner A, Wain LV, Wareham NJ, Watkins H, Weder AB, Westra HJ, Wilks R, Wilsgaard T, Wilson JF, Wong TY, Yang TP, Yao J, Yengo L, Zhang W, Zhao JH, Zhu X, Bovet P, Cooper RS, Mohlke KL, Saleheen D, Lee JY, Elliott P, Gierman HJ, Willer CJ, Franke L, Hovingh GK, Taylor KD, Dedoussis G, Sever P, Wong A, Lind L, Assimes TL, Njolstad I, Schwarz PE, Langenberg C, Snieder H, Caulfield MJ, Melander O, Laakso M, Saltevo J, Rauramaa R, Tuomilehto J, Ingelsson E, Lehtimaki T, Hveem K, Palmas W, Marz W, Kumari M, Salomaa V, Chen YD, Rotter JI, Froguel P, Jarvelin MR, Lakatta EG, Kuulasmaa K, Franks PW, Hamsten A, Wichmann HE, Palmer CN, Stefansson K, Ridker PM, Loos RJ, Chakravarti A, Deloukas P, Morris AP, Newton-Cheh C, Munroe PB. The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nat Genet* 2016;48(10):1171-1184

Hajek A, Brettschneider C, Lümann D, Eisele M, Mamone S, Wiese B, Weyerer S, Werle J, Pentzek M, Fuchs A, Riedel-Heller SG, Luck T, Bickel H, Weeg D, Koppara A, Wagner M, Scherer M, Maier W, König HH, Study on Ageing, Cognition and Dementia in Primary Care Patients Group. Effect of Visual Impairment on Physical and Cognitive Function in Old Age: Findings of a Population-Based Prospective Cohort Study in Germany *J Am Geriatr Soc* 2016;64(11):2311-2316

Forstner C, Rohde G, Rupp J, Schuette H, Ott SR, Hagel S, Harrison N, Thalhammer F, von Baum H, Suttorp N, Welte T, Pletz MW, CAP-NETZ Study Group. Community-acquired Haemophilus influenzae pneumonia--New insights from the CAPNETZ study. *J Infect* 2016;72(5):554-563

Pattaro C, Teumer A, Gorski M, Chu AY, Li M, Mijatovic V, Garnaas M, Tin A, Sorice R, Li Y, Taliun D, Olden M, Foster M, Yang Q, Chen MH, Pers TH, Johnson AD, Ko YA, Fuchsberger C, Tayo B, Nalls M, Feitosa MF, Isaacs A, Dehghan A, d'Adamo P, Adeyemo A, Dieffenbach AK, Zonderman AB, Nolte IM, van der Most PJ, Wright AF, Shuldiner AR, Morrison AC, Hofman A, Smith AV, Dreisbach AW, Franke A, Uitterlinden AG, Metspalu A, Tonjes A, Lupo A, Robino A, Johansson A, Demirkiran A, Kollerits B, Freedman BI, Ponte B, Oostra BA, Paulweber B, Kramer BK, Mitchell BD, Buckley BM, Peralta CA, Hayward C, Helmer C, Rotimi CN, Shaffer CM, Muller C, Sala C, van Duijn CM, Saint-Pierre A, Ackermann D, Shriner D, Ruggiero D, Toniolo D, Lu Y, Cusi D, Czamara D, Ellinghaus D, Siscovick DS, Ruderfer D, Gieger C, Grallert H, Rochtchina E, Atkinson EJ, Holliday EG, Boerwinkle E, Salvi E, Bottinger EP, Murgia F, Rivadeneira F, Ernst F, Kronenberg F, Hu FB, Navis GJ, Curhan GC, Ehret GB, Homuth G, Coassin S, Thun GA, Pistis G, Gambaro G, Malerba G, Montgomery GW, Eiriksdottir G, Jacobs G, Li G, Wichmann HE, Campbell H, Schmidt H, Wallachofski H, Volzke H, Brenner H, Kroemer HK, Kramer H, Lin H, Leach IM, Ford I, Guessous I, Rudan I, Prokopenko I, Borecki I, Heid IM, Kolcic I, Persico I, Jukema JW, Wilson JF, Felix JF, Divers J, Lambert JC, Stafford JM, Gaspoz JM, Smith JA, Faul JD, Wang JJ, Ding J, Hirschhorn JN, Attia J, Whitfield JB, Chalmers J, Viikari J, Coresh J, Denny JC, Karjalainen J, Fernandes JK, Endlich K, Butterbach K, Keene KL, Lohman K, Portas L, Launer LJ, Lyttikainen LP, Yengo L, Franke L, Ferrucci L, Rose LM, Kedenko L, Rao M, Struchalin M, Kleber ME, Cavalieri M, Haun M, Cornelis MC, Ciullo M, Pirastu M, de Andrade M, McEvoy MA, Woodward M, Adam M, Cocca M, Nauck M, Imboden M, Waldenberger M, Pruijm M, Metzger M, Stumvoll M, Evans MK, Sale MM, Kahonen M, Boban M, Bochud M, Rheinberger M, Verweij N, Bouatia-Naji N, Martin NG, Hastie N, Probst-Hensch N, Soranzo N, Devuyst O, Raitakari O, Gottesman O, Franco OH, Polasek O, Gasparini P, Munroe PB, Ridker PM, Mitchell P, Muntnar P, Meisinger C, Smit JH, ICBP Consortium, AGEN Consortium, CARDIOGRAM, CHARGE-Heart Failure Group, ECHOGen Consortium, Kovacs P, Wild PS, Froguel P, Rettig R, Magi R, Biffar R, Schmidt R, Middelberg RP, Carroll RJ, Penninx BW, Scott RJ, Katz R, Sedaghat S, Wild SH, Kardia SL, Uliivi S, Hwang SJ, Enroth S, Kloiber S, Trompet S, Stengel B, Hancock SJ, Turner ST, Rosas SE, Stracke S, Harris TB, Zeller T, Zemunik T, Lehtimaki T, Illig T, Aspelund T, Nikopentius T, Esko T, Tanaka T, Gyllensten U, Volker U, Emilsson V, Vitart V, Aalto V, Gudnason V, Chouraki V, Chen WM, Igli W, Marz W, Koenig W, Lieb W, Loos RJ, Liu Y, Snieder H, Pramstaller PP, Parsa A, O'Connell JR, Susztak K, Hamet P, Tremblay J, de Boer IH, Boger CA, Goessling W, Chasman DI, Kottgen A, Kao WH, Fox CS. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nat Commun* 2016;7:10023

Pletz MW, Ewig S, Rohde G, Schuette H, Rupp J, Welte T, Suttorp N, Forstner C, CAPNETZ Study Group. Impact of pneumococcal vaccination in children on serotype distribution in adult community-acquired pneumonia using the serotype-specific multiplex urinary antigen detection assay. *Vaccine* 2016;34(20):2342-2348

Raitoharju E, Seppälä I, Lytykäinen LP, Viikari J, Ala-Korpela M, Soininen P, Kangas AJ, Waldenberger M, Klopp N, Illig T, Leiviskä J, Loo BM, Oksala N, Kähönen M, Hutri-Kähönen N, Laaksonen R, Raitakari O, Lehtimäki T. Blood hsa-miR-122-5p and hsa-miR-885-5p levels associate with fatty liver and related lipoprotein metabolism-The Young Finns Study *Sci Rep* 2016;6:38262

Rotter M, Brandmaier S, Prehn C, Adam J, Rabstein S, Gawrych K, Brüning T, Illig T, Lickert H, Adamski J, Wang-Sattler R. Stability of targeted metabolite profiles of urine samples under different storage conditions. *Metabolomics* 2017;13(1):4

Suttorp N, Welte T, Marre R, Stenger S, Pletz M, Rupp J, Schütte H, Rohde G, CAPNETZ-Studiengruppe. CAPNETZ. Das Kompetenzzentrum für ambulant erworbene Pneumonie. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2016;59(4):475-481

Then FS, Luck T, Heser K, Ernst A, Posselt T, Wiese B, Mamone S, Brettschneider C, König HH, Weyerer S, Werle J, Mösch E, Bickel H, Fuchs A, Pentzek M, Maier W, Scherer M, Wagner M, Riedel-Heller SG, AgeCoDe Study Group. Which types of mental work demands may be associated with reduced risk of dementia? *Alzheimers Dement* 2017;13(4):431-440

von Essen M, Rahikainen R, Oksala N, Raitoharju E, Seppälä I, Mennander A, Sioris T, Kholova I, Klopp N, Illig T, Karhunen PJ, Kähönen M, Lehtimäki T, Hytönen VP. Talin and vinculin are downregulated in atherosclerotic plaque; Tampere Vascular Study. *Atherosclerosis* 2016;255:43-53

Walsh KM, Codd V, Rice T, Nelson CP, Smirnov IV, McCoy LS, Hansen HM, Elhauge E, Ojha J, Francis SS, Madsen NR, Bracci PM, Pico AR, Molinaro AM, Tihan T, Berger MS, Chang SM, Prados MD, Jenkins RB, Wiemels JL, ENGAGE Consortium Telomere Group, Samani NJ, Wiencke JK, Wrensch MR. Longer genotypically-estimated leukocyte telomere length is associated with increased adult glioma risk. *Oncotarget* 2015;6(40):42468-42477

Zanoni P, Khetarpal SA, Larach DB, Hancock-Cerutti WF, Millar JS, Cuchel M, DerOhannessian S, Kontush A, Surendran P, Saleheen D, Trompet S, Jukema JW, De Craen A, Deloukas P, Sattar N, Ford I, Packard C, Majumder A, Alam DS, Di Angelantonio E, Abecasis G, Chowdhury R, Erdmann J, Nordestgaard BG, Nielsen SF, Tybjaerg-Hansen A, Schmidt RF, Kuulasmaa K, Liu DJ, Perola M, Blankenberg S, Salomaa V, Mannisto S, Amouyel P, Arveiler D, Ferrieres J, Muller-Nurasyid M, Ferrario M, Kee F, Willer CJ, Samani N, Schunkert H, Butterworth AS, Howson JM, Peloso GM, Stitzel NO, Danesh J, Kathiresan S, Rader DJ, CHD Exome+ Consortium, CARDIoGRAM Exome Consortium, Global Lipids Genetics Consortium. Rare variant in scavenger receptor BI raises HDL cholesterol and increases risk of coronary heart disease. *Science* 2016;351(6278):1166-1171

## Zentrum für Infektionsbiologie (ZIB) – 1112

### Promotionen

Ghorbani, Peyman (PhD Infection Biology M.Sc.): The role of CD103+ dendritic cells in the control of *Listeria monocytogenes* infection  
MHH-Signatur: D 80557

Jurrat, Kirstin Melanie (Dr. rer. nat. Dipl.Biochem.): Signal network analyses of the Met pathway activated by the invasin Internalin B from *Listeria monocytogenes*  
MHH-Signatur: D 80179

Kohli, Karan (PhD Immunology): Plasmacytoid dendritic cells homing and positioning in lymph nodes and their T cell priming properties  
MHH-Signatur: D 80183

Morán Losada, Patricia (PhD Bioinformatics): Bioinformatic analysis of the microbial metagenome in cystic fibrosis airways  
MHH-Signatur: D 80159

Yu, Kai (PhD M.Sc.): Generation and function of CCR7-expressing regulatory macrophages  
MHH-Signatur: D 80187

Zhang, Guigen (PhD Virology): Cytoplasmic isoforms of Kaposi's sarcoma-associated herpesvirus latency-associated nuclear antigen recruit and antagonize the innate immune DNA sensor cGAS  
MHH-Signatur: D 80160

Zischke, Jasmin (Dr. rer. nat. M.Sc. Biomedicine): Human cytomegalovirus-mediated immunoregulation the viral protein UL11 modulates T cell functions  
MHH-Signatur: D 80182

## Forschungseinrichtungen/Zentrale Einrichtungen

### Bibliothek – 8900

#### Originalpublikationen

Pabst R, Linke PB, Neudeck NB, Schmiel M, Ernst SB. Anschubfinanzierung für junge Wissenschaftler in der Universitätsmedizin in Deutschland : Ist der "clinical scientist" so zu retten? Chirurg 2016;87(12):1039-1045

### Stabsstelle Strahlenschutz und Abteilung Medizinische Physik – 0020

#### Promotionen

Vehrenkamp, Iris (Dr. rer. nat.): Messtechnische Erfassung der Augenlinsenexposition beim Umgang mit Radionukliden  
MHH-Signatur: D 80690

### Forschungseinrichtung Strukturanalyse – 8830

#### Originalpublikationen

Aggarwal N, Korenbaum E, Mahadeva R, Immenschuh S, Grau V, Dinarello CA, Welte T, Janciauskienė S. alpha-Linoleic acid enhances the capacity of alpha-1 antitrypsin to inhibit lipopolysaccharide-induced IL-1beta in human blood neutrophils. Mol Med 2016;22:DOI: 10.2119/molmed.2016.00119

Hundt N, Steffen W, Pathan-Chhatbar S, Taft MH, Manstein DJ. Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. Sci Rep 2016;6:20554

Krausze J, Probst C, Curth U, Reichelt J, Saha S, Schafflick D, Heinz DW, Mendel RR, Kruse T. Dimerization of the plant molybdenum insertase Cnx1E is required for synthesis of the molybdenum cofactor Biochem J 2017;474(1):163-178

#### Übersichtsarbeiten

Manstein DJ, Mulvihill DP. Tropomyosin-mediated Regulation of Cytoplasmic Myosins. Traffic 2016;17(8):872-877

Schadzek P, Schlingmann B, Schaarschmidt F, Lindner J, Koval M, Heisterkamp A, Ngezahayo A, Preller M. Data of the molecular dynamics simulations of mutations in the human connexin46 docking interface. Data Brief 2016;7:93-99

Schadzek P, Schlingmann B, Schaarschmidt F, Lindner J, Koval M, Heisterkamp A, Preller M, Ngezahayo A. The cataract related mutation N188T in human connexin46 (hCx46) revealed a critical role for residue N188 in the docking process of gap junction channels. Biochim Biophys Acta 2016;1858(1):57-66

Vámosi G, Mücke N, Müller G, Krieger JW, Curth U, Langowski J, Tóth K. EGFP oligomers as natural fluorescence and hydrodynamic standards Sci Rep 2016;6:33022

von der Ecken J, Heissler SM, Pathan-Chhatbar S, Manstein DJ, Raunser S. Cryo-EM structure of a human cytoplasmic actomyosin complex at near-atomic resolution Nature 2016;534(7609):724-728

Zumbrägel FK, Machtens DA, Curth U, Luder CG, Reubold TF, Eschenburg S. Survivin does not influence the anti-apoptotic action of XIAP on caspase-9. Biochem Biophys Res Commun 2017;482(4):530-535

## Tumorzentrum – 8850

### Originalpublikationen

Andzinski L, Spanier J, Kasnitz N, Kröger A, Jin L, Brinkmann MM, Kalinke U, Weiss S, Jablonska J, Lienenklaus S. Growing tumors induce a local STING dependent Type I IFN response in dendritic cells Int J Cancer 2016;139(6):1350-1357

Rios N, Adaskina N, Frömke C, Papendorf F, Schippert C, Koch A, Hillemanns P, Park-Simon TW. The Benefit of Baseline Staging-Risk Assessment of Distant Breast Cancer Metastases by Tumor Stage. Anticancer Res 2016;36(9):4909-4914

## Studiendekanat Medizin – 9135

### Originalpublikationen

Schwarze M, Egen C, Gutenbrunner C, Schrieck S. Early Workplace Intervention to Improve the Work Ability of Employees with Musculoskeletal Disorders in a German University Hospital-Results of a Pilot Study Healthcare (Basel) 2016;4(3):DOI: 10.3390/healthcare4030064

## Zentralapotheke – 8500

### Originalpublikationen

Bogomolov P, Alexandrov A, Voronkova N, Macievich M, Kokina K, Petrachenkova M, Lehr T, Lempp FA, Wedemeyer H, Haag M, Schwab M, Haefeli WE, Blank A, Urban S. Treatment of chronic hepatitis D with the entry inhibitor myrcludex B: First results of a phase Ib/Ila study. J Hepatol 2016;65(3):490-498

## Geschäftsführung Pflege – 3010

### Originalpublikationen

Behrends M, Kupka T, Schmeer R, Meyenburg-Altwarg I, Marschollek M. Knowledge Transfer in Health Care Through Digitally Collecting Learning Experiences - Results of Witra Care. Stud Health Technol Inform 2016;225:287-291

Marschollek M, Barthel C, Behrends M, Schmeer R, Meyenburg-Altwarg I, Becker M. Smart Glasses in Nursing Training - Redundant Gadget or Precious Tool? A Pilot Study. Stud Health Technol Inform 2016;225:377-381

Schmeer R, Behrends M, Kupka T, Meyenburg-Altwarg I, Marschollek M. Use and Acceptance of Mobile Technology by Hospital Nurses in Germany. Stud Health Technol Inform 2016;225:944-945

## Abteilungsübergreifende Bereiche

### Biomedical Research Endstage and Obstructive Lung Disease Hannover

#### Originalpublikationen

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. Nat Commun 2016;7:13602

## BMBF-Kompetenznetz: Hepatitis

### Originalpublikationen

Deterding K, Spinner CD, Schott E, Welzel TM, Gerken G, Klinker H, Spengler U, Wiegand J, Zur Wiesch JS, Pathil A, Cornberg M, Umgelter A, Zöllner C, Zeuzem S, Papkalla A, Weber K, Hardtke S, von der Leyen H, Koch A, von Witzendorff D, Manns MP, Wedemeyer H, HepNet Acute HCV IV Study Group. Lopinavir plus sofosbuvir fixed-dose combination for 6 weeks in patients with acute hepatitis C virus genotype 1 monoinfection (HepNet Acute HCV IV): an open-label, single-arm, phase 2 study. Lancet Infect Dis 2017;17(2):215-222

## DZIF Deutsches Zentrum für Infektionsforschung

### Originalpublikationen

Behrendt P, Bremer B, Todt D, Brown RJ, Heim A, Manns MP, Steinmann E, Wedemeyer H. Hepatitis E Virus (HEV) ORF2 Antigen Levels Differentiate Between Acute and Chronic HEV Infection. J Infect Dis 2016;214(3):361-368

Borst EM, Bauerfeind R, Binz A, Stephan TM, Neuber S, Wagner K, Steinbrück L, Sodeik B, Lenac Roviš T, Jonjić S, Messerle M. The Essential Human Cytomegalovirus Proteins pUL77 and pUL93 Are Structural Components Necessary for Viral Genome Encapsulation. J Virol 2016;90(13):5860-5875

Brannemann AK, Liermann K, Deinhardt-Emmer S, Maschkowitz G, Pohlmann A, Sodeik B, Fickenscher H, Sauerbrei A, Krumbholz A. Recombinant herpes simplex virus type 1 strains with targeted mutations relevant for aciclovir susceptibility. Sci Rep 2016;6:29903

Dekhtarenko I, Ratts RB, Blatnik R, Lee LN, Fischer S, Borkner L, Oduro JD, Marandu TF, Hoppe S, Ruzsics Z, Sonnemann JK, Mansouri M, Meyer C, Lemmermann NA, Holtappels R, Arens R, Kleneman P, Früh K, Reddehase MJ, Riemer AB, Cicin-Sain L. Peptide Processing Is Critical for T-Cell Memory Inflation and May Be Optimized to Improve Immune Protection by CMV-Based Vaccine Vectors. PLoS Pathog 2016;12(12):e1006072

Deterding K, Spinner CD, Schott E, Welzel TM, Gerken G, Klinker H, Spengler U, Wiegand J, Zur Wiesch JS, Pathil A, Cornberg M, Umgelter A, Zöllner C, Zeuzem S, Papkalla A, Weber K, Hardtke S, von der Leyen H, Koch A, von Witzendorff D, Manns MP, Wedemeyer H, HepNet Acute HCV IV Study Group. Lopinavir plus sofosbuvir fixed-dose combination for 6 weeks in patients with acute hepatitis C virus genotype 1 monoinfection (HepNet Acute HCV IV): an open-label, single-arm, phase 2 study. Lancet Infect Dis 2017;17(2):215-222

Drave SA, Debing Y, Walter S, Todt D, Engelmann M, Friesland M, Wedemeyer H, Neyts J, Behrendt P, Steinmann E. Extra-hepatic replication and infection of hepatitis E virus in neuronal-derived cells. J Viral Hepat 2016;23(7):512-521

Hagel S, Fischer A, Ehlermann P, Frank T, Tueffers K, Sturm A, Link A, Demir M, Siebenhaar A, Storr M, Glueck T, Siegel E, Solbach P, Goeser F, Koelbel CB, Lohse A, Luebbert C, Kandzi U, Maier M, Schuerle S, Lerch MM, Tacke D, Cornely OA, Stallmach A, Vehreschild M, German Clinical Microbiome Study Group (GCMSG). Fecal Microbiota Transplant in Patients With Recurrent Clostridium difficile Infection. Dtsch Arztebl Int 2016;113(35-36):583-589

Hampel A, Solbach P, Cornberg M, Schmidt RE, Behrens GM, Jablonka A. Aktuelle Seroprävalenz, Impfstatus und prädiktiver Wert der Leberenzyme für Hepatitis B bei Flüchtlingen in Deutschland. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2016;59(5):578-583

Höner Zu Siederdissen C, Rinker F, Maasoumy B, Wiegand SB, Filmann N, Falk CS, Deterding K, Port K, Mix C, Manns MP, Herrmann E, Wedemeyer H, Kraft AR, Cornberg M. Viral and Host Responses After Stopping Long-term Nucleos(t)ide Analogue Therapy in HBeAg-Negative Chronic Hepatitis B. J Infect Dis 2016;214(10):1492-1497

Ivanova L, Buch A, Döhner K, Pohlmann A, Binz A, Prank U, Sandbaumhüter M, Bauerfeind R, Sodeik B. Conserved Tryptophan Motifs in the Large Tegument Protein pUL36 Are Required for Efficient Secondary Envelopment of Herpes Simplex Virus Capsids. J Virol 2016;90(11):5368-5383

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happel C. Tetanus and diphtheria immunity in refugees in Europe in 2015. Infection 2017;45(2):157-164

Jablonka A, Happel C, Grote U, Schleienvoigt BT, Hampel A, Dopfer C, Hansen G, Schmidt RE, Behrens GM. Measles, mumps, rubella, and varicella seroprevalence in refugees in Germany in 2015. Infection 2016;44(6):781-787

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland  
Med Klin Intensivmed Notfmed 2017;112(4):347-351

Jablonka A, Solbach P, Happle C, Hampel A, Schmidt RE, Behrens GM. Hohe Hepatitis-A-Immunitätsrate bei Flüchtlingen in Deutschland.  
Med Klin Intensivmed Notfmed 2017;112(4):347-351

Jablonka A, Solbach P, Nothdorff S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015 Dtsch Med Wochenschr 2016;141(14):e128-32

Jablonka A, Solbach P, Nothdorff S, Hampel A, Schmidt RE, Behrens GM. Niedrige Seroprävalenz von Syphilis und HIV bei Flüchtlingen in Deutschland im Jahr 2015. Dtsch Med Wochenschr 2016;141(14):e128-32

Tomić A, Varanasi PR, Golemac M, Malić S, Riese P, Borst EM, Mischak-Weissinger E, Guzmán CA, Krmpotić A, Jonjić S, Messerle M. Activation of Innate and Adaptive Immunity by a Recombinant Human Cytomegalovirus Strain Expressing an NKG2D Ligand PLoS Pathog 2016;12(12):e1006015

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorff G, Schmidt RE, Jacobs R. HIV-1 infection results in increased frequency of active and inflammatory sIgDCs that produce high level of IL-1beta. J Acquir Immune Defic Syndr 2016;73(1):34-38

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorff G, Schmidt RE, Jacobs R. IL-1beta limits the extent of human 6-sulfo LacNAc dendritic cell (sIgDC)-mediated NK cell activation and regulates CD95-induced apoptosis. Cell Mol Immunol 2016;DOI: 10.1038/cmi.2016.17

Vieyres G, Welsch K, Gerold G, Gentzsch J, Kahl S, Vondran FW, Kaderali L, Pietschmann T. ABHD5/CGI-58, the Chanarin-Dorfman Syndrome Protein, Mobilises Lipid Stores for Hepatitis C Virus Production PLoS Pathog 2016;12(4):e1005568

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinnery PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study Acta Neuropathol 2016;132(3):433-451

Wranke A, Serrano BC, Heidrich B, Kirschner J, Bremer B, Lehmann P, Hardtke S, Deterding K, Port K, Westphal M, Manns MP, Cornberg M, Wedemeyer H. Antiviral treatment and liver-related complications in hepatitis delta Hepatology 2017;65(2):414-425

### Übersichtsarbeiten

Pietschmann T. Clinically Approved Ion Channel Inhibitors Close Gates for Hepatitis C Virus and Open Doors for Drug Repurposing in Infectious Viral Diseases J Virol 2017;91(2):DOI: 10.1128/JVI.01914-16

### Letter

Weller R, Todt D, Engelmann M, Friesland M, Wedemeyer H, Pietschmann T, Steinmann E. Apolipoprotein E polymorphisms and their protective effect on hepatitis E virus replication. Hepatology 2016;64(6):2274-2276

### Editorials

Bankwitz D, Pietschmann T. Hepatitis C virus plays hide and seek with neutralizing antibodies Hepatology 2016;64(6):1840-1842

### Promotionen

Tomic, Adriana (Dr. rer. nat.): Development of a live attenuated human cytomegalovirus vaccine strain  
MHH-Signatur: D 80666

## DZL Deutsches Zentrum für Lungenforschung

### Originalpublikationen

Bleyer M, Curths C, Dahlmann F, Wichmann J, Bauer N, Moritz A, Braun A, Knauf S, Kaup FJ, Gruber-Dujardin E. Morphology and staining behavior of neutrophilic and eosinophilic granulocytes of the common marmoset (*Callithrix jacchus*). Exp Toxicol Pathol 2016;68(6):335-343

Booth JL, Duggan ES, Patel VI, Langer M, Wu W, Braun A, Coggshall KM, Metcalf JP. *Bacillus anthracis* spore movement does not require a carrier cell and is not affected by lethal toxin in human lung models. Microbes Infect 2016;18(10):615-626

Bougioukas I, Didilis V, Emigholz J, Waldmann-Beushausen R, Stojanovic T, Mühlfeld C, Schoendube FA, Danner BC. The effect of amifostine on lung ischaemia-reperfusion injury in rats *Interact Cardiovasc Thorac Surg* 2016;23(2):273-279

Funke M, Knudsen L, Lagares D, Ebener S, Probst CK, Fontaine BA, Franklin A, Kellner M, Künnel M, Matthieu S, Grothausmann R, Chun J, Roberts JD,Jr, Ochs M, Tager AM. Lysophosphatidic Acid Signaling through the Lysophosphatidic Acid-1 Receptor Is Required for Alveolarization. *Am J Respir Cell Mol Biol* 2016;55(1):105-116

Habener A, Behrendt AK, Skuljec J, Jirmo AC, Meyer-Bahlburg A, Hansen G. B cell subsets are modulated during allergic airway inflammation but are not required for the development of respiratory tolerance in a murine model. *Eur J Immunol* 2017;47(3):552-562

Hess A, Wang-Lauenstein L, Braun A, Kolle SN, Landsiedel R, Liebsch M, Ma-Hock L, Pirow R, Schneider X, Steinfath M, Vogel S, Martin C, Sewald K. Prevalidation of the ex-vivo model PCLS for prediction of respiratory toxicity. *Toxicol In Vitro* 2016;32:347-361

Jablonka A, Behrens GM, Stange M, Dopfer C, Grote U, Hansen G, Schmidt RE, Happle C. Tetanus and diphtheria immunity in refugees in Europe in 2015. *Infection* 2017;45(2):157-164

Jablonka A, Happle C, Grote U, Schleienvoigt BT, Hampel A, Dopfer C, Hansen G, Schmidt RE, Behrens GM. Measles, mumps, rubella, and varicella seroprevalence in refugees in Germany in 2015. *Infection* 2016;44(6):781-787

Karnati S, Graulich T, Oruqaj G, Pfreimer S, Seimetz M, Stamme C, Mariani TJ, Weissmann N, Mühlfeld C, Baumgart-Vogt E. Postnatal development of the bronchiolar club cells of distal airways in the mouse lung: stereological and molecular biological studies. *Cell Tissue Res* 2016;364(3):543-557

Kellner M, Heidrich M, Lorbeer RA, Antonopoulos GC, Knudsen L, Wrede C, Izykowski N, Grothausmann R, Jonigk D, Ochs M, Ripken T, Künnel MP, Meyer H. A combined method for correlative 3D imaging of biological samples from macro to nano scale. *Sci Rep* 2016;6:35606

Kerrin A, Fitch P, Errington C, Kerr D, Waxman L, Riding K, McCormack J, Mehendale F, McSorley H, MacKenzie K, Wronski S, Braun A, Levin R, Theilen U, Schwarze J. Differential lower airway dendritic cell patterns may reveal distinct endotypes of RSV bronchiolitis. *Thorax* 2016;DOI: 10.1136/thoraxjn-2015-207358

Krüger M, Zinne N, Biancosino C, Höffler K, Rajab TK, Waldmann KH, Jonigk D, Avsar M, Haverich A, Hoeltig D. Porcine pulmonary auto-transplantation for ex vivo therapy as a model for new treatment strategies. *Interact Cardiovasc Thorac Surg* 2016;23(3):358-366

Kuebler WM, Wittenberg C, Lee WL, Reppien E, Goldenberg NM, Lindner K, Gao Y, Winoto-Morbach S, Drab M, Mühlfeld C, Dombrowsky H, Ochs M, Schütze S, Uhlig S. Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase *Am J Physiol Lung Cell Mol Physiol* 2016;310(8):L720-32

Lamb DJ, Wollin SL, Schnapp A, Bischoff D, Erb KJ, Bouyssou T, Guilliard B, Strasser C, Wex E, Blum S, Thaler E, Nickel H, Radmacher O, Haas H, Swantek JL, Souza D, Canfield M, White D, Panzenbeck M, Kashem MA, Sanville-Ross M, Kono T, Sewald K, Braun A, Oberholte H, Danov O, Schaenzle G, Rast G, Maier GM, Hoffmann M. BI 1002494, a Novel Potent and Selective Oral Spleen Tyrosine Kinase Inhibitor, Displays Differential Potency in Human Basophils and B Cells. *J Pharmacol Exp Ther* 2016;357(3):554-561

Mühlfeld C, Madsen J, Mackay RM, Schneider JP, Schipke J, Lutz D, Birkelbach B, Knudsen L, Botto M, Ochs M, Clark H. Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. *Histochem Cell Biol* 2017;147(1):49-61

Reinartz MT, Wetzel M, Happle C, Käble S, Scherer R, Kabesch M, Seifert R. Neutrophilic superoxide production can assess pharmacological and pharmacogenetic beta-adrenoreceptor effects. *Allergy* 2016;71(8):1223-1227

Reiter U, Reiter G, Manninger M, Adelsmayr G, Schipke J, Alogna A, Rajces A, Stalder AF, Greiser A, Mühlfeld C, Scherr D, Post H, Pieske B, Fuchsäger M. Early-stage heart failure with preserved ejection fraction in the pig: a cardiovascular magnetic resonance study *J Cardiovasc Magn Reson* 2016;18(1):63

Salman J, Ius F, Knoefel AK, Sommer W, Siemeni T, Kuehn C, Tudorache I, Avsar M, Nakagiri T, Preissler G, Hatz R, Greer M, Welte T, Haverich A, Warnecke G. Association of higher CD4+ CD25high CD127low , FoxP3+, and IL-2+ T cell frequencies early after lung transplantation with less chronic lung allograft dysfunction at two years. *Am J Transplant* 2017;17(6):1637-1648

Schipke J, Grimm C, Arnstein G, Kockskämper J, Sedej S, Mühlfeld C. Cardiomyocyte loss is not required for the progression of left ventricular hypertrophy induced by pressure overload in female mice *J Anat* 2016;229(1):75-81

Skuljec J, Cabanski M, Surdziel E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. *Eur J Immunol* 2016;46(7):1656-1668

Temann A, Golovina T, Neuhaus V, Thompson C, Chichester JA, Braun A, Yusibov V. Evaluation of inflammatory and immune responses in long-term cultured human precision-cut lung slices. *Hum Vaccin Immunother* 2017;13(2):351-358

Wittmann T, Frixel S, Höppner S, Schindlbeck U, Schams A, Kappler MV, Hegermann J, Wrede C, Liebisch G, Vierzig A, Zachariasiewicz A, Kopp M, Poets CF, Baden W, Hartl D, Van Kaam AH, Lohse P, Aslanidis C, Zarbock R, Griese M. Increased risk of interstitial lung disease in children with a single R288K variant of ABCA3. *Mol Med* 2016;DOI: 10.2119/molmed.2015.00244

### Übersichtsarbeiten

Knudsen L, Ruppert C, Ochs M. Tissue remodelling in pulmonary fibrosis *Cell Tissue Res* 2017;367(3):607-626

Lopez-Rodriguez E, Gay-Jordi G, Mucci A, Lachmann N, Serrano-Mollar A. Lung surfactant metabolism: early in life, early in disease and target in cell therapy *Cell Tissue Res* 2017;367(3):721-735

Ochs M, Knudsen L, Hegermann J, Wrede C, Grothausmann R, Mühlfeld C. Using electron microscopes to look into the lung. *Histochem Cell Biol* 2016;146(6):695-707

## Hannover Biomedical Research School (HBRS)

### Originalpublikationen

Atreya R, Bloom S, Scaldaferri F, Gerardi V, Admyre C, Karlsson A, Knittel T, Kowalski J, Lukas M, Löfberg R, Nancey S, Petryka R, Rydzewska G, Schnabel R, Seidler U, Neurath MF, Hawkey C. Clinical Effects of a Topically Applied Toll-like Receptor 9 Agonist in Active Moderate-to-Severe Ulcerative Colitis. *J Crohns Colitis* 2016;10(11):1294-1302

Borst EM, Bauerfeind R, Binz A, Stephan TM, Neuber S, Wagner K, Steinbrück L, Sodeik B, Lenac Roviš T, Jonjić S, Messerle M. The Essential Human Cytomegalovirus Proteins pUL77 and pUL93 Are Structural Components Necessary for Viral Genome Encapsidation *J Virol* 2016;90(13):5860-5875

Dekhtarenko I, Ratts RB, Blatnik R, Lee LN, Fischer S, Borkner L, Odudo JD, Marandu TF, Hoppe S, Ruzsics Z, Sonnemann JK, Mansouri M, Meyer C, Lemmermann NA, Holtappels R, Arens R, Klenerman P, Früh K, Reddehase MJ, Riemer AB, Cicin-Sain L. Peptide Processing Is Critical for T-Cell Memory Inflation and May Be Optimized to Improve Immune Protection by CMV-Based Vaccine Vectors. *PLoS Pathog* 2016;12(12):e1006072

Feagan BG, Sandborn WJ, Gasink C, Jacobstein D, Lang Y, Friedman JR, Blank MA, Johanns J, Gao LL, Miao Y, Adedokun OJ, Sands BE, Hanauer SB, Vermeire S, Targan S, Ghosh S, de Villiers WJ, Colombel JF, Tulassay Z, Seidler U, Salzberg BA, Desreumaux P, Lee SD, Loftus EV, Jr, Dieleman LA, Katz S, Rutgeerts P, UNITI-IM-UNITI Study Group. Ustekinumab as Induction and Maintenance Therapy for Crohn's Disease. *N Engl J Med* 2016;375(20):1946-1960

Hundt N, Steffen W, Pathan-Chhatbar S, Taft MH, Manstein DJ. Load-dependent modulation of non-muscle myosin-2A function by tropomyosin 4.2. *Sci Rep* 2016;6:20554

Ivanov S, Scallan JP, Kim KW, Werth K, Johnson MW, Saunders BT, Wang PL, Kuan EL, Straub AC, Ouhachi M, Weinstein EG, Williams JW, Briseño C, Colonna M, Isakson BE, Gautier EL, Förster R, Davis MJ, Zinselmeyer BH, Randolph GJ. CCR7 and IRF4-dependent dendritic cells regulate lymphatic collecting vessel permeability *J Clin Invest* 2016;126(4):1581-1591

Ivanova L, Buch A, Döhner K, Pohlmann A, Binz A, Prank U, Sandbaumhüter M, Bauerfeind R, Sodeik B. Conserved Tryptophan Motifs in the Large Tegument Protein pUL36 Are Required for Efficient Secondary Envelopment of Herpes Simplex Virus Capsids *J Virol* 2016;90(11):5368-5383

Lenac Roviš T, Kucan Brlic P, Kaynan N, Juranic Lisnic V, Brizic I, Jordan S, Tomic A, Kvestak D, Babic M, Tsukerman P, Colonna M, Koszinowski U, Messerle M, Mandelboim O, Krmpotic A, Jonjic S. Inflammatory monocytes and NK cells play a crucial role in DNAM-1-dependent control of cytomegalovirus infection *J Exp Med* 2016;213(9):1835-1850

Napp LC, Jabs O, Höckelmann A, Dutzmann J, Kapopara PR, Sedding DG, Gaestel M, Bauersachs J, Bavendiek U. Normal endothelial but impaired arterial development in MAP-Kinase activated protein kinase 2 (MK2) deficient mice *Vasc Cell* 2016;8:4

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Regueiro M, Feagan BG, Zou B, Johanns J, Blank MA, Chevrier M, Plevy S, Popp J, Cornillie FJ, Lukas M, Danese S, Gionchetti P, Hanauer SB, Reinisch W, Sandborn WJ, Sorrentino D, Rutgeerts P, PREVENT Study Group. Infliximab Reduces Endoscopic, but Not Clinical, Recurrence of Crohn's Disease After Ileocolonic Resection. *Gastroenterology* 2016;150(7):1568-1578

Schmidt C, Ahmad T, Tulassay Z, Baumgart DC, Bokemeyer B, Howaldt S, Stallmach A, Büning C, AEGIS Study Group. Ferric maltol therapy for iron deficiency anaemia in patients with inflammatory bowel disease: long-term extension data from a Phase 3 study. *Aliment Pharmacol Ther* 2016;44(3):259-270

Thiel N, Keyser KA, Lemmermann NA, Oduro JD, Wagner K, Elsner C, Halenius A, Lenac Roviš T, Brinkmann MM, Jonjić S, Cicin-Sain L, Messerle M. The Mouse Cytomegalovirus Gene m42 Targets Surface Expression of the Protein Tyrosine Phosphatase CD45 in Infected Macrophages *PLoS Pathog* 2016;12(12):e1006057

Tomić A, Varanasi PR, Golemac M, Malić S, Riese P, Borst EM, Mischak-Weissinger E, Guzmán CA, Krmpotić A, Jonjić S, Messerle M. Activation of Innate and Adaptive Immunity by a Recombinant Human Cytomegalovirus Strain Expressing an NKG2D Ligand *PLoS Pathog* 2016;12(12):e1006015

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorff G, Schmidt RE, Jacobs R. HIV-1 infection results in increased frequency of active and inflammatory slanDCs that produce high level of IL-1beta. *J Acquir Immune Defic Syndr* 2016;73(1):34-38

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorff G, Schmidt RE, Jacobs R. IL-1beta limits the extent of human 6-sulfo LacNAc dendritic cell (slanDC)-mediated NK cell activation and regulates CD95-induced apoptosis. *Cell Mol Immunol* 2016;DOI: 10.1038/cmi.2016.17

von der Ecken J, Heissler SM, Pathan-Chhatbar S, Manstein DJ, Raunser S. Cryo-EM structure of a human cytoplasmic actomyosin complex at near-atomic resolution *Nature* 2016;534(7609):724-728

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stripecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup>/H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. *J Cell Physiol* 2017;232(7):1669-1680

Yu Q, Liu X, Liu Y, Riederer B, Li T, Tian DA, Tuo B, Shull G, Seidler U. Defective small intestinal anion secretion, dipeptide absorption, and intestinal failure in suckling NBCe1-deficient mice. *Pflugers Arch* 2016;468(8):1419-1432

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing *Eur J Immunol* 2016;46(6):1415-1426

## Übersichtsarbeiten

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics *Annu Rev Immunol* 2016;34:203-242

## Buchbeiträge, Monografien

Werth K, Förster R. Active Shaping of Chemokine Gradients by Atypical Chemokine Receptors: A 4D Live-Cell Imaging Migration Assay. *Methods Enzymol* 2016;570:293-308

## Promotionen

Araujo Cruz, Michelle Maria (PhD MRes Molecular Medicine): Functional characterisation of mutant isocitrate dehydrogenase in acute myeloid leukemia  
MHH-Signatur: D 80195

Atenchong, Nkacheh (Dr. rer. nat. Virology M.Sc. Microbiology): Defining a minimal set of filovirus cell entry factors  
MHH-Signatur: D 80174

Awah, Chidiebere Uzodinma (PhD MD M.Sc. Molecular Biomedicine): Mechanism of allele specific assembly and disruption of master regulator transcription factors NF-KBp50, p65 and HIF1a on a non-coding FAS SNP  
MHH-Signatur: D 80540

Behrens, Wiebke (Dr. rer. nat. M.Sc.): Characterization of mechanisms mediating energy taxis of Helicobacter pylori in vitro and in vivo  
MHH-Signatur: D 80177

Billig, Sandra (Dr. rer. nat. M.Sc.): The role of acetate and lactate metabolism in the response of Mycobacterium tuberculosis against host derived stress  
MHH-Signatur: D 80196

Buermann, Anna (Dr. rer. nat. M.Sc. Biomedicine): Immunomodulation by targeting inhibitory receptorligand interactions in vitro studies and characterisation of PD-L1 transgenic pigs  
MHH-Signatur: D 80188

Dudek, Markus (Dr. rer. nat. M.Sc. Molecular and Cellular Biology): The role of cell type specific MyD88 signalling in host defence against pulmonary S. pneumoniae infection  
MHH-Signatur: D 80180

Elbasani, Endrit (PhD M. Med. Sc.): Characteristics of the polymorphic UL11 and UL6 proteins encoded by the human cytomegalovirus  
MHH-Signatur: D 80532

Farid, Marwa (PhD M.Sc.): Improving primary hepatocyte expansion and liver regeneration by small molecules  
MHH-Signatur: D 80522

Galonska, Christina (Dr. rer. nat. M.Sc. Molecular Medicine): Molecular characterization of pluripotent states in mouse embryonic stem cells  
MHH-Signatur: D 80185

Georgiev Georgiev, Hristo (Dr. rer. nat. M.Sc. Biotechnology): The CD155ligand-system impacts on functiondifferentiation of NK, T and NKT cells  
MHH-Signatur: D 80510

Ghorbani, Peyman (PhD Infection Biology M.Sc.): The role of CD103+ dendritic cells in the control of Listeria monocytogenes infection  
MHH-Signatur: D 80557

Gutierrez Jauregui, Rodrigo (PhD M.Sc.): Human adult liver progenitor cells generated from patient samples  
MHH-Signatur: D 80506

Haller, Ralf (Dr. rer. nat.): Differentiation of pluripotent stem cells into cholangiocytelike cells for disease modeling and drug screening  
MHH-Signatur: D 80516

Hinz, Angelika Marianne (Dipl. Biol. Dr. rer. nat.): Cytosolic restriction factors of incoming HSV1  
MHH-Signatur: D 80533

Hirche, Christoph (PhD Immunology Vet. Med.): Impact of virus infections on long-term hematopoietic stem cells  
MHH-Signatur: D 80171

Hoppe, Carolin Maria (Dr. rer. nat. M.Sc. Biochemistry): Glycosylation pathways in protozoan parasites  
MHH-Signatur: D 80512

Ivanova, Lyudmila Lyubomirova (PhD Virology M.Sc. Biology): The role of tryptophan motifs in the inner tegument protein pUL36 of herpes simplex virus type 1  
MHH-Signatur: D 80175

Jammal, Razan (Dr. rer. nat. M.Sc. Biology): The miR-193 family reduces leukemic proliferation through interference with the Raf-MEK-ERK pathway a pan tumor suppressor in pediatric acute myeloid leukemia  
MHH-Signatur: D 80531

Janciauskiene, Sabina (PhD M.Sc. Biochemistry): Studies on the relations between molecular forms and function of alpha1-antitrypsin  
MHH-Signatur: D 80519

Jurrat, Kirstin Melanie (Dr. rer. nat. Dipl.Biochem.): Signal network analyses of the Met pathway activated by the invasin Internalin B from Listeria monocytogenes  
MHH-Signatur: D 80179

Kalies, Stefan Michael Klaus (Dr. rer. nat. M.Sc. Physics): Gold nanoparticle mediated laser stimulation  
MHH-Signatur: D 80509

Keihani, Sarva (PhD M.Sc.): Members of the miR-99100~125 tricistrons cooperatively induce a pre-leukemic myeloproliferative disorder  
MHH-Signatur: D 80520

Kohli, Karan (PhD Immunology): Plasmacytoid dendritic cells homing and positioning in lymph nodes and their T cell priming properties  
MHH-Signatur: D 80183

Kohlscheen, Saskia (Dr. rer. nat. M.Sc.): Screening for hematopoietic stem cell regenerating genes in the Mpl-deficient mouse model  
MHH-Signatur: D 80549

Lauterböck, Lothar (Dr. rer. nat. M.Sc.): Cryopreservation of stem cells using induced nucleation  
MHH-Signatur: D 80514

Liebhaber, Steffi (Dr. rer. nat. Dipl.Biol.): The role of microRNAs during reprogramming and in vitro hematopoietic differentiation of pluripotent stem cells  
MHH-Signatur: D 80507

Malek Mohammadi, Mona (PhD M.Sc.): Regulation of myocardial regeneration by the cardiomyocyte transcription factor GATA4  
MHH-Signatur: D 80508

Menon, Akshay (PhD Regenerative Medicine M.Sc. Neuroscience): Functional role of Mitochondria-localized Glutamic Acid Rich Protein (MGARP) in Vascular Homeostasis  
MHH-Signatur: D 80548

Morán Losada, Patricia (PhD Bioinformatics): Bioinformatic analysis of the microbial metagenome in cystic fibrosis airways  
MHH-Signatur: D 80159

Mucci, Adele (Dr. rer. nat.): Induced pluripotent stem cell (iPSC)-based gene therapy of CSF2R $\beta$ c-deficient pulmonary alveolar proteinosis in a murine disease model  
MHH-Signatur: D 80513

Narayanaswamy, Pavan Beleyur (PhD): Urokinase receptor in cancer and vascular aging role in intracellular proteolysis and DNA repair  
MHH-Signatur: D 80518

Nooruzzaman, Mohammed (PhD M.Sc.): Genetic variations in the interferon lambda locus alter the functionality of primary human plasmacytoid dendritic cells  
MHH-Signatur: D 80503

Oberoi, Raghav (PhD M.Sc. Biomedical Sciences): Role of tumour necrosis factor alpha and monocyte subsets in vascular inflammation  
MHH-Signatur: D 80517

Osetek, Katarzyna (Dr. rer. nat. M.Sc.): Induction of pluripotent stem cells from young versus aged somatic cells differences in reprogramming rates, karyotypic abnormalities and frequency of accumulated mutations  
MHH-Signatur: D 80515

Pezoldt, Jörn (Dr. rer. nat. M.Sc. Biotechnology): Identification of micro-environmental factors and molecular signals modulating the tolerogenic properties of stromal cells in gut-draining lymph nodes  
MHH-Signatur: D 80511

Rataj, Dennis (Dr. rer. nat. M.Sc. Biomedicine): Coagulation Disorders in Xenotransplantation  
MHH-Signatur: D 80184

Reinhardt, Annika (Dr. rer. nat. M.Sc. Biomedicine): Characterization of IL-17-producing enthesis-resident  $\gamma\delta$  T cells  
MHH-Signatur: D 80502

Repanas, Alexandros (Dr. rer. nat. Dipl.Pharm. M.Sc.): A novel drug delivery system designed from polycaprolactone based coaxially electrospun fibers  
MHH-Signatur: D 80169

Saha, Debapriya (PhD Cryotechnology M.Sc.): Effect of cryopreservation procedures on the viability, genetic and epigenetic stability of multipotent stromal cells  
MHH-Signatur: D 80547

Schauerte, Celina (Dr. rer. nat.): Non-coding RNAs as novel diagnostic and therapeutic tools in murine and human kidney transplantation  
MHH-Signatur: D 80555

Schulte, Björn (Dr. rer. nat. M.Sc.Biology): Study of Hepatitis C Virus quasispecies dynamics in the course of acute and chronic infection by next-generation sequencing of the full viral open reading frame  
MHH-Signatur: D 80181

Schweitzer, Aparna (PhD): The global prevalence of hepatitis B virus (HBV) infections and hepatitis B vaccine coverage in lowand middle-income countries  
MHH-Signatur: D 80526

Solmaz, Gülsün (PhD Infection Immunology M.Sc. Biology): Importance of TLR7 signalling in lymph-borne VSV replication and onset of CNS invasion  
MHH-Signatur: D 80172

Stückemann, Viola (Dr. rer. nat. M.Sc. Biomedicine): In vitro and in vivo Pdx1 mediated transdifferentiation of liver cells into insulin producing cells  
MHH-Signatur: D 80524

Tappe, Kim Annchen (Dr. rer. nat. Immunology M.Sc. Biochemistry): Cell death and autophagy induction following modified vaccinia virus Ankara (MVA) infection give rise to efficient CTL priming  
MHH-Signatur: D 80176

Thamm, Kristina (Dr. rer. nat. M.Sc. Biomedicine): Role of the Angiopoietin Tie2 system in endothelial dysfunction in sepsis  
MHH-Signatur: D 80186

Thomsen, Irene (Dr. rer. nat.): Diversification of the intestinal IgA system studying dynamics of humoral immunity by high-throughput sequencing  
MHH-Signatur: D 80539

Tomic, Adriana (Dr. rer. nat.): Development of a live attenuated human cytomegalovirus vaccine strain  
MHH-Signatur: D 80666

Tsay, Hsin-Chieh (PhD M.Sc.): Molecular dissection of liver fibrosis in mice  
MHH-Signatur: D 80525

Werth, Kathrin (PhD): The role of ACKR4 and CCR7 in dendritic cell migration and function  
MHH-Signatur: D 80501

Winter, Manuel André (Dr. med.): Darstellung und Quantifizierung von monoallelischem TCRalpha Gen rearrangement in alpha T-Zellen  
MHH-Signatur: D 80630

Witthuhn, Anett (Dr. rer. nat. M.Sc.): Consequences of L1-mediated retrotransposition for genomic stability of human induced pluripotent stem cells  
MHH-Signatur: D 80523

Yang, Dakai (PhD M.Sc. Biomedicine): Identification of microRNA-125b-5p as a key regulator of liver regeneration and acute liver failure  
MHH-Signatur: D 80189

Yu, Kai (PhD M.Sc.): Generation and function of CCR7-expressing regulatory macrophages  
MHH-Signatur: D 80187

Zhang, Guigen (PhD Virology): Cytoplasmic isoforms of Kaposi's sarcoma-associated herpesvirus latency-associated nuclear antigen recruit and antagonize the innate immune DNA sensor cGAS  
MHH-Signatur: D 80160

Zhang, Kaiyi (Dr. rer. nat. M.Sc. Molecular Life Sciences): In vivo interaction of Salmonella with intestinal epithelium using a novel neonatal mouse model  
MHH-Signatur: D 80170

Zischke, Jasmin (Dr. rer. nat. M.Sc. Biomedicine): Human cytomegalovirus-mediated immunoregulation the viral protein UL11 modulates T cell functions  
MHH-Signatur: D 80182

Zumbrägel, Franziska Katharina (Dr. rer. nat.): Untersuchungen zur Funktion von Survivin im mitochondrialen Weg der Apoptose  
MHH-Signatur: D 80556

## Hearing 4All

### Originalpublikationen

Bauernfeind Günther, Sabine H, Thomas L. fNIRS for future use in auditory diagnostics. Current Directions in Biomedical Engineering 2016;2(1):229

Burke WF, Warnecke A, Schöner-Heinisch A, Lesinski-Schiedat A, Maier H, Lenarz T. Prevalence and audiological profiles of GJB2 mutations in a large collective of hearing impaired patients. Hear Res 2016;333:77-86

Chen LC, Sandmann P, Thorne JD, Bleichner MG, Debener S. Cross-Modal Functional Reorganization of Visual and Auditory Cortex in Adult Cochlear Implant Users Identified with fNIRS Neural Plast 2016;2016:4382656

Finke M, Büchner A, Ruigendijk E, Meyer M, Sandmann P. On the relationship between auditory cognition and speech intelligibility in cochlear implant users: An ERP study Neuropsychologia 2016;87:169-181

Finke M, Sandmann P, Bönitz H, Kral A, Büchner A. Consequences of Stimulus Type on Higher-Order Processing in Single-Sided Deaf Cochlear Implant Users Audiol Neurotol 2016;21(5):305-315

Hügl S, Eckardt F, Lexow GJ, Majdani O, Lenarz T, Rau TS. Increasing the resolution of morphological 3D image data sets through image stitching: application to the temporal bone. Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization 2016:1-8

Lexow GJ, Schurzig D, Gellrich NC, Lenarz T, Majdani O, Rau TS. Visualization, measurement and modelling of the cochlea using rotating midmodiolar slice planes Int J Comput Assist Radiol Surg 2016;11(10):1855-1869

Nogueira W, Litvak L, Landsberger DM, Büchner A. Loudness and Pitch Perception using Dynamically Compensated Virtual Channels Hear Res 2017;344:223-234

Nogueira W, Rode T, Büchner A. Optimization of a Spectral Contrast Enhancement Algorithm for Cochlear Implants Based on a Vowel Identification Model Adv Exp Med Biol 2016;894:93-104

Nogueira W, Rode T, Büchner A. Spectral contrast enhancement improves speech intelligibility in noise for cochlear implants J Acoust Soc Am 2016;139(2):728-739

Nogueira W, Schurzig D, Büchner A, Penninger RT, Würfel W. Validation of a Cochlear Implant Patient-Specific Model of the Voltage Distribution in a Clinical Setting Front Bioeng Biotechnol 2016;4:84

Pons J, Janer J, Rode T, Nogueira W. Remixing music using source separation algorithms to improve the musical experience of cochlear implant users. J Acoust Soc Am 2016;140(6):4338-4349

Rau TS, Harbach L, Pawsey N, Kluge M, Erfurt P, Lenarz T, Majdani O. Insertion trauma of a cochlear implant electrode array with Nitinol inlay Eur Arch Otorhinolaryngol 2016;273(11):3573-3585

Roemer A, Köhl U, Majdani O, Klöß S, Falk C, Haumann S, Lenarz T, Kral A, Warnecke A. Biohybrid cochlear implants in human neurosensory restoration. Stem Cell Res Ther 2016;7(1):148

Sandmann P. Kortikale Plastizität nach Hörverlust und Cochlea-Implantation. Klin Neurophysiol 2017;48(1):23-33

Schurzig D, Lexow GJ, Majdani O, Lenarz T, Rau TS. Three-dimensional modeling of the cochlea by use of an arc fitting approach. Comput Methods Biomed Engin 2016;19(16):1785-1799

Schurzig D, Rau TS, Wallaschek J, Lenarz T, Majdani O. Determination of optimal excitation patterns for local mechanical inner ear stimulation using a physiologically-based model Biomed Microdevices 2016;18(2):36

Stieghorst J, Doll T. Dispersed Hydrogel Actuator for Modiolar Hugging Cochlear Implant Electrode Arrays IEEE Trans Biomed Eng 2016;63(11):2294-2300

Stieghorst J, Majaura D, Wevering H, Doll T. Toward 3D Printing of Medical Implants: Reduced Lateral Droplet Spreading of Silicone Rubber under Intense IR Curing ACS Appl Mater Interfaces 2016;8(12):8239-8246

Suhling MC, Majdani O, Salcher R, Leifholz M, Büchner A, Lesinski-Schiedat A, Lenarz T. The Impact of Electrode Array Length on Hearing Preservation in Cochlear Implantation. Otol Neurotol 2016;37(8):1006-1015

Wilk M, Hessler R, Mugridge K, Jolly C, Fehr M, Lenarz T, Schepers V. Impedance Changes and Fibrous Tissue Growth after Cochlear Implantation Are Correlated and Can Be Reduced Using a Dexamethasone Eluting Electrode. PLoS One 2016;11(2):e0147552

## IFB-Tx

### Originalpublikationen

Baumann AK, Schlue J, Noyan F, Hardtke-Wolenski M, Lehner F, Barg-Hock H, Klempnauer J, Manns MP, Taubert R, Jaeckel E. Preferential accumulation of T helper cells but not cytotoxic T cells characterizes benign subclinical rejection of human liver allografts Liver Transpl 2016;22(7):943-955

Bunse CE, Tischer S, Lahrberg J, Oelke M, Figueiredo C, Blasczyk R, Eiz-Vesper B. Granulocyte colony-stimulating factor impairs CD8(+) T cell functionality by interfering with central activation elements. Clin Exp Immunol 2016;185(1):107-118

Gamrekelashvili J, Giagnorio R, Jussofie J, Soehnlein O, Duchene J, Briseño CG, Ramasamy SK, Krishnasamy K, Limbourg A, Kapanadze T, Ishifune C, Hinkel R, Radtke F, Strobl LJ, Zimber-Strobl U, Napp LC, Bauersachs J, Haller H, Yasutomo K, Kupatt C, Murphy KM, Adams RH, Weber C, Limbourg FP. Regulation of monocyte cell fate by blood vessels mediated by Notch signalling Nat Commun 2016;7:12597

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. Mol Ther 2016;24(7):1216-1226

Kampers J, Orjuela-Grimm M, Schober T, Schulz TF, Stiefel M, Klein C, Körholz D, Mauz-Körholz C, Kreipe H, Beier R, Maecker-Kolhoff B. Classical Hodgkin lymphoma-type PTLD after solid organ transplantation in children: a report on 17 patients treated according to subsequent GPOH-HD treatment schedules Leuk Lymphoma 2017;58(3):633-638

Maasoumy B, Vermehren J, Welker MW, Bremer B, Perner D, Höner Zu Siederdissen C, Deterding K, Lehmann P, Cloherty G, Reinhardt B, Pawlotsky JM, Manns MP, Zeuzem S, Cornberg M, Wedemeyer H, Sarrazin C. Clinical value of on-treatment HCV RNA levels during different sofosbuvir-based antiviral regimens. J Hepatol 2016;65(3):473-482

Sandvoss M, Potthast AB, von Versen-Höynck F, Das AM. HELLP Syndrome: Altered Hypoxic Response of the Fatty Acid Oxidation Regulator SIRT 4. Reprod Sci 2017;24(4):568-574

Schaefer F, Doyon A, Azukaitis K, Bayazit A, Canpolat N, Duzova A, Niemirska A, Sözeri B, Thurn D, Anarat A, Ranchin B, Litwin M, Caliskan S, Candan C, Baskin E, Yilmaz E, Mir S, Kirchner M, Sander A, Haffner D, Melk A, Wuhl E, Shroff R, Quefeld U, 4C Study Consortium. Cardiovascular Phenotypes in Children with CKD: The 4C Study. Clin J Am Soc Nephrol 2017;12(1):19-28

Schultze-Florey RE, Tischer S, Schwerk N, Heim A, Eiz-Vesper B, Maecker-Kolhoff B. Monitoring of adenovirus (ADV)-specific T cells in a boy with ADV pneumonia and disseminated disease after lung transplantation. Transpl Infect Dis 2016;18(5):756-760

Tischer S, Geyeregger R, Kwoczek J, Heim A, Figueiredo C, Blasczyk R, Maecker-Kolhoff B, Eiz-Vesper B. Discovery of immunodominant T-cell epitopes reveals penton protein as a second immunodominant target in human adenovirus infection. J Transl Med 2016;14(1):286

Velaga S, Alter C, Dringenberg U, Thiesler CT, Kuhs S, Olek S, Ukena SN, Franzke A. Clinical-grade regulatory T cells: Comparative analysis of large-scale expansion conditions. Exp Hematol 2017;45:27-35.e1

Wranke A, Serrano BC, Heidrich B, Kirschner J, Bremer B, Lehmann P, Hardtke S, Deterding K, Port K, Westphal M, Manns MP, Cornberg M, Wedemeyer H. Antiviral treatment and liver-related complications in hepatitis delta Hepatology 2017;65(2):414-425

Zimmermann T, Pabst S, Bertram A, Schiffer M, de Zwaan M. Differences in emotional responses in living and deceased donor kidney transplant patients. Clin Kidney J 2016;9(3):503-509

#### **Letter**

Bertram A, Pabst S, Zimmermann T, Schiffer M, de Zwaan M. How can you be adherent if you don't know how? Transpl Int 2016;29(7):830-832

## **International MD/PhD Program Molecular Medicine**

#### **Promotionen**

Araujo Cruz, Michelle Maria (PhD MRes Molecular Medicine): Functional characterisation of mutant isocitrate dehydrogenase in acute myeloid leukemia  
MHH-Signatur: D 80195

Awah, Chidiebere Uzodinma (PhD MD M.Sc. Molecular Biomedicine): Mechanism of allele specific assembly and disruption of master regulator transcription factors NF-KBp50, p65 and HIF1a on a non-coding FAS SNP  
MHH-Signatur: D 80540

Buermann, Anna (Dr. rer. nat. M.Sc.Biomedicine): Immunomodulation by targeting inhibitory receptorligand interactions in vitro studies and characterisation of PD-L1 transgenic pigs  
MHH-Signatur: D 80188

Galonska, Christina (Dr. rer. nat. M.Sc. Molecular Medicine): Molecular characterization of pluripotent states in mouse embryonic stem cells  
MHH-Signatur: D 80185

Greulich F, Rudat C, Farin HF, Christoffels VM, Kispert A. Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development PLoS One 2016;11(6):e0156787

Greulich F, Trowe MO, Leffler A, Stoetzer C, Farin HF, Kispert A. Misexpression of Tbx18 in cardiac chambers of fetal mice interferes with chamber-specific developmental programs but does not induce a pacemaker-like gene signature J Mol Cell Cardiol 2016;97:140-149

Jammal, Razan (Dr. rer. nat. M.Sc. Biology): The miR-193 family reduces leukemic proliferation through interference with the Raf-MEK-ERK pathway a pan tumor suppressor in pediatric acute myeloid leukemia  
MHH-Signatur: D 80531

Janciauskienė, Sabina (PhD M.Sc. Biochemistry): Studies on the relations between molecular forms and function of alpha1-antitrypsin  
MHH-Signatur: D 80519

Narayanaswamy, Pavan Beleyur (PhD): Urokinase receptor in cancer and vascular aging role in intracellular proteolysis and DNA repair  
MHH-Signatur: D 80518

Oberoi, Raghav (PhD M.Sc. Biomedical Sciences): Role of tumour necrosis factor alpha and monocyte subsets in vascular inflammation  
MHH-Signatur: D 80517

Rataj, Dennis (Dr. rer. nat. M.Sc. Biomedicine): Coagulation Disorders in Xenotransplantation  
MHH-Signatur: D 80184

Schauerte, Celina (Dr. rer. nat.): Non-coding RNAs as novel diagnostic and therapeutic tools in murine and human kidney transplantation  
MHH-Signatur: D 80555

Schulte, Björn (Dr. rer. nat. M.Sc.Biology): Study of Hepatitis C Virus quasispecies dynamics in the course of acute and chronic infection by next-generation sequencing of the full viral open reading frame  
MHH-Signatur: D 80181

Thamm, Kristina (Dr. rer. nat. M.Sc. Biomedicine): Role of the Angiopoietin Tie2 system in endothelial dysfunction in sepsis  
MHH-Signatur: D 80186

Tran DD, Koch A, Saran S, Armbrecht M, Ewald F, Koch M, Wahlicht T, Wirth D, Braun A, Nashan B, Gaestel M, Tamura T. Extracellular-signal regulated kinase (Erk1/2), mitogen-activated protein kinase-activated protein kinase 2 (MK2) and tristetraprolin (TTP) comprehensively regulate injury-induced immediate early gene (IEG) response in in vitro liver organ culture. *Cell Signal* 2016;28(5):438-447

Yang, Dakai (PhD M.Sc. Biomedicine): Identification of microRNA-125b-5p as a key regulator of liver regeneration and acute liver failure  
MHH-Signatur: D 80189

Yu, Kai (PhD M.Sc.): Generation and function of CCR7-expressing regulatory macrophages  
MHH-Signatur: D 80187

Zumbrägel, Franziska Katharina (Dr. rer. nat.): Untersuchungen zur Funktion von Survivin im mitochondrialen Weg der Apoptose  
MHH-Signatur: D 80556

## International PhD program DEWIN – Dynamik der Errerger-Wirt-Interaktionen

### Promotionen

Ghorbani, Peyman (PhD Infection Biology M.Sc.): The role of CD103+ dendritic cells in the control of Listeria monocytogenes infection  
MHH-Signatur: D 80557

Hinz, Angelika Marianne (Dipl. Biol. Dr. rer. nat.): Cytosolic restriction factors of incoming HSV1  
MHH-Signatur: D 80533

Nooruzzaman, Mohammed (PhD M.Sc.): Genetic variations in the interferon lambda locus alter the functionality of primary human plasmacytoid dendritic cells  
MHH-Signatur: D 80503

Reinhardt, Annika (Dr. rer. nat. M.Sc. Biomedicine): Characterization of IL-17-producing enthesis-resident  $\gamma\delta$  T cells  
MHH-Signatur: D 80502

Werth, Kathrin (PhD): The role of ACKR4 and CCR7 in dendritic cell migration and function  
MHH-Signatur: D 80501

Zhang, Guigen (PhD Virology): Cytoplasmic isoforms of Kaposi's sarcoma-associated herpesvirus latency-associated nuclear antigen recruit and antagonize the innate immune DNA sensor cGAS  
MHH-Signatur: D 80160

## International PhD-Program Infection Biology

### Originalpublikationen

Halle S, Keyser KA, Stahl FR, Busche A, Marquardt A, Zheng X, Galla M, Heissmeyer V, Heller K, Boelter J, Wagner K, Bischoff Y, Martens R, Braun A, Werth K, Uvarovskii A, Kempf H, Meyer-Hermann M, Arens R, Kremer M, Sutter G, Messerle M, Förster R. In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity. *Immunity* 2016;44(2):233-245

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Thiel N, Keyser KA, Lemmermann NA, Oduro JD, Wagner K, Elsner C, Halenius A, Lenac Roviš T, Brinkmann MM, Jonjić S, Cicin-Sain L, Messerle M. The Mouse Cytomegalovirus Gene m42 Targets Surface Expression of the Protein Tyrosine Phosphatase CD45 in Infected Macrophages. *PLoS Pathog* 2016;12(12):e1006057

Walter S, Bollenbach A, Doerrbecker J, Pfaender S, Brown RJ, Vieyres G, Scott C, Foster R, Kumar A, Zitzmann N, Griffin S, Penin F, Pletschmann T, Steinmann E. Ion Channel Function and Cross-Species Determinants in Viral Assembly of Nonprimate Hepacivirus p7. *J Virol* 2016;90(10):5075-5089

Walter S, Rasche A, Moreira-Soto A, Pfaender S, Bletscha M, Corman VM, Aguilar-Setien A, García-Lacy F, Hans A, Todt D, Schuler G, Shnaiderman-Torban A, Steinman A, Roncoroni C, Veneziano V, Rusenova N, Sandev N, Rusenov A, Zapryanova D, García-Bocanegra I, Jores J, Carluccio A, Veronesi MC, Cavalleri JM, Drosten C, Lemey P, Steinmann E, Drexler JF. Differential Infection Patterns and Recent Evolutionary Origins of Equine Hepaciviruses in Donkeys J Virol 2016;91(1):e01711-16

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinnery PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study Acta Neuropathol 2016;132(3):433-451

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing Eur J Immunol 2016;46(6):1415-1426

### Übersichtsarbeiten

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics Annu Rev Immunol 2016;34:203-242

### Promotionen

Reinhardt, Annika (Dr. rer. nat. M.Sc. Biomedicine): Characterization of IL-17-producing enthesis-resident  $\gamma\delta$  T cells  
MHH-Signatur: D 80502

Werth, Kathrin (PhD): The role of ACKR4 and CCR7 in dendritic cell migration and function  
MHH-Signatur: D 80501

Yu, Kai (PhD M.Sc.): Generation and function of CCR7-expressing regulatory macrophages  
MHH-Signatur: D 80187

## Klinische Forschergruppe 250: Genetische und zelluläre Mechanismen von Autoimmunerkrankungen

### Originalpublikationen

Engmann J, Rüdrich U, Behrens G, Papakonstantinou E, Gehring M, Kapp A, Raap U. Increased Activity and Apoptosis of Eosinophils in Blister Fluids, Skin and Peripheral Blood of Patients with Bullous Pemphigoid. Acta Derm Venereol 2017;97(4):464-471

Ernst D, Witte T. Sjögren-Syndrom Dtsch Med Wochenschr 2016;141(8):544-550

Frenz T, Grabski E, Buschjäger D, Vaas LA, Burgdorf N, Schmidt RE, Witte T, Kalinke U. CD4(+) T cells in patients with chronic inflammatory rheumatic disorders show distinct levels of exhaustion J Allergy Clin Immunol 2016;138(2):586-589.e10

Harris VM, Sharma R, Cavett J, Kurien BT, Liu K, Koelsch KA, Rasmussen A, Radfar L, Lewis D, Stone DU, Kaufman CE, Li S, Segal B, Wallace DJ, Weisman MH, Venuturupalli S, Kelly JA, Alarcon-Riquelme ME, Pons-Estel B, Jonsson R, Lu X, Gottenberg JE, Anaya JM, Cunningham-Graham DS, Huang AJ, Brennan MT, Hughes P, Alevizos I, Miceli-Richard C, Keystone EC, Bykerk VP, Hirschfield G, Xie G, Ng WF, Nordmark G, Bucher SM, Eriksson P, Omdal R, Rhodus NL, Rischmueller M, Rohrer M, Wahren-Herlenius M, Witte T, Mariette X, Lessard CJ, Harley JB, Sivils KL, Scofield RH. Klinefelter's syndrome (47,XXY) is in excess among men with Sjogren's syndrome Clin Immunol 2016;168:25-29

Liu K, Kurien BT, Zimmerman SL, Kaufman KM, Taft DH, Kottyan LC, Lazaro S, Weaver CA, Ice JA, Adler AJ, Chodosh J, Radfar L, Rasmussen A, Stone DU, Lewis DM, Li S, Koelsch KA, Igoe A, Talsania M, Kumar J, Maier-Moore JS, Harris VM, Gopalakrishnan R, Jonsson R, Lessard JA, Lu X, Gottenberg JE, Anaya JM, Cunningham-Graham DS, Huang AJ, Brennan MT, Hughes P, Illei GG, Miceli-Richard C, Keystone EC, Bykerk VP, Hirschfield G, Xie G, Ng WF, Nordmark G, Eriksson P, Omdal R, Rhodus NL, Rischmueller M, Rohrer M, Segal BM, Vyse TJ, Wahren-Herlenius M, Witte T, Pons-Estel B, Alarcón-Riquelme ME, Guthridge JM, James JA, Lessard CJ, Kelly JA, Thompson SD, Gaffney PM, Montgomery CG, Edberg JC, Kimberly RP, Alarcón GS, Langefeld CL, Gilkeson GS, Kamen DL, Tsao BP, Joseph McCune W, Salmon JE, Merrill JT, Weisman MH, Wallace DJ, Utset TO, Bottinger EP, Amos CI, Siminovitch KA, Mariette X, Sivils KL, Harley JB, Scofield RH. X Chromosome Dose and Sex Bias in Autoimmune Diseases: Increased Prevalence of 47,XXX in Systemic Lupus Erythematosus and Sjogren's Syndrome Arthritis Rheumatol 2016;68(5):1290-1300

López-Isac E, Martín JE, Assassi S, Simeón CP, Carreira P, Ortega-Centeno N, Freire M, Beltrán E, Narváez J, Alegre-Sancho JJ, Spanish Scleroderma Group, Fernández-Gutiérrez B, Balsa A, Ortiz AM, González-Gay MA, Beretta L, Santaniello A, Bellonchi C, Lunardi C, Moroncini G, Gabrielli A, Witte T, Hunzelmann N, Distler JH, Riekemasten G, van der Helm-van Mil AH, de Vries-Bouwstra J, Magro-Checa C, Voskuyl AE, Vonk MC, Molberg Ø, Merriman T, Hesselstrand R, Nordin A, Padyukov L, Herrick A, Eyre S, Koeleman BP, Denton CP,

Fonseca C, Radstake TR, Worthington J, Mayes MD, Martín J. Brief Report: IRF4 Newly Identified as a Common Susceptibility Locus for Systemic Sclerosis and Rheumatoid Arthritis in a Cross-Disease Meta-Analysis of Genome-Wide Association Studies *Arthritis Rheumatol* 2016;68(9):2338-2344

Low HZ, Ahrenstorff G, Pommerenke C, Habermann N, Schughart K, Ordóñez D, Stripecke R, Wilk E, Witte T. TLR8 regulation of LILRA3 in monocytes is abrogated in human immunodeficiency virus infection and correlates to CD4 counts and virus loads *Retrovirology* 2016;13:15

Márquez A, Fernández-Aranguren T, Witte T, González-Gay MA, Martín J, Spanish GCA Group, Spanish Scleroderma Group. LILRA3 deficiency is not involved in the giant cell arteritis and systemic sclerosis predisposition *Clin Exp Rheumatol* 2016;34 Suppl 100(5):208-209

Roesner LM, Heratizadeh A, Wieschowski S, Mittermann I, Valenta R, Eiz-Vesper B, Hennig C, Hansen G, Falk CS, Werfel T. alpha-NAC-Specific Autoreactive CD8+ T Cells in Atopic Dermatitis Are of an Effector Memory Type and Secrete IL-4 and IFN-gamma. *J Immunol* 2016;196(8):3245-3252

## NIFE

### Originalpublikationen

Duda F, Lipokatic-Takacs E, Loos A, Lüdtke N, Wilhelm M, Kampmann A, Voigt H, Schubert C, Elff M, Lenarz T, Haverich A. Institutional and sociopolitical factors in supporting clinical translation: the case of biomedical implant research in Hannover, Germany. *BioNanoMat* 2016;17(1-2):89-92

Keller V, Deiwick A, Pflaum M, Schlie-Wolter S. Correlation between ECM guidance and actin polymerization on osteogenic differentiation of human adipose-derived stem cells *Exp Cell Res* 2016;347(2):339-349

### Übersichtsarbeiten

Willbold E, Weizbauer A, Loos A, Seitz JM, Angrisani N, Windhagen H, Reifenrath J. Magnesium alloys: A stony pathway from intensive research to clinical reality. Different test methods and approval-related considerations *J Biomed Mater Res A* 2017;105(1):329-347

Worbs T, Hammerschmidt SI, Förster R. Dendritic cell migration in health and disease *Nat Rev Immunol* 2017;17(1):30-48

## REBIRTH: Exzellenzcluster / Cluster of Excellence REBIRTH – From Regenerative Biology to Reconstructive Therapy

### Originalpublikationen

Appari M, Breitbart A, Brandes F, Szaroszyk M, Froese N, Korf-Klingebiel M, Malek Mohammadi M, Grund A, Scharf GM, Wang H, Zwadlo C, Fraccarollo D, Schrameck U, Nemer M, Wong W, Katus HA, Wollert KC, Müller OJ, Bauersachs J, Heineke J. C1q-TNF-Related Protein-9 Promotes Cardiac Hypertrophy and Failure. *Circ Res* 2017;120(1):66-77

Blume J, Zur Lage S, Witzlau K, Georgiev H, Weiss S, Lyszkiewicz M, Zietara N, Krueger A. Overexpression of Valpha14Jalpha18 TCR promotes development of iNKT cells in the absence of miR-181a/b-1. *Immunol Cell Biol* 2016;94(8):741-746

Börger AK, Eicke D, Wolf C, Gras C, Aufderbeck S, Schulze K, Engels L, Eiz-Vesper B, Schambach A, Guzman CA, Lachmann N, Moritz T, Martin U, Blasczyk R, Figueiredo C. Generation of HLA-universal iPSCs-derived megakaryocytes and platelets for survival under refractoriness conditions. *Mol Med* 2016;22:DOI:10.2119/molmed.2015.00235

Brunnemann AK, Liermann K, Deinhardt-Emmer S, Maschkowitz G, Pohlmann A, Sodeik B, Fickenscher H, Sauerbrei A, Krumbholz A. Recombinant herpes simplex virus type 1 strains with targeted mutations relevant for aciclovir susceptibility *Sci Rep* 2016;6:29903

Caobelli F, Wollenweber T, Bavendiek U, Kühn C, Schütze C, Geworski L, Thackeray JT, Bauersachs J, Haverich A, Bengel FM. Simultaneous dual-isotope solid-state detector SPECT for improved tracking of white blood cells in suspected endocarditis *Eur Heart J* 2017;38(6):436-443

Daniel JM, Prock A, Dutzmann J, Sonnenschein K, Thum T, Bauersachs J, Sedding DG. Regulator of G-Protein Signaling 5 Prevents Smooth Muscle Cell Proliferation and Attenuates Neointima Formation. *Arterioscler Thromb Vasc Biol* 2016;36(2):317-327

Daniel JM, Reichel CA, Schmidt-Woell T, Dutzmann J, Zuchtriegel G, Krombach F, Herold J, Bauersachs J, Sedding DG, Kanse SM. Factor VII-activating protease deficiency promotes neointima formation by enhancing leukocyte accumulation *J Thromb Haemost* 2016;14(10):2058-2067

Dibbert N, Krause A, Rios-Camacho JC, Gruh I, Kirschning A, Dräger G. A Synthetic Toolbox for the In Situ Formation of Functionalized Homo- and Heteropolysaccharide-Based Hydrogel Libraries *Chemistry* 2016;22(52):18777-18786

Duda F, Lipokatic-Takacs E, Loos A, Lüdtke N, Wilhelmi M, Kampmann A, Voigt H, Schubert C, Elff M, Lenarz T, Haverich A. Institutional and sociopolitical factors in supporting clinical translation: the case of biomedical implant research in Hannover, Germany. *BioNanoMat* 2016;17(1-2):89-92

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wähner A, Beh-Pajoh A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. *Sci Rep* 2016;6:38198

Eisenberg T, Abdellatif M, Schroeder S, Primessnig U, Stekovic S, Pendl T, Harger A, Schipke J, Zimmermann A, Schmidt A, Tong M, Ruckenstein C, Dammbreuck C, Gross AS, Herbst V, Magnes C, Trausinger G, Narath S, Meinitzer A, Hu Z, Kirsch A, Eller K, Carmona-Gutierrez D, Büttner S, Pietrocola F, Knittelfelder O, Schrepfer E, Rockenfeller P, Simonini C, Rahn A, Horsch M, Moreth K, Beckers J, Fuchs H, Gailus-Durner V, Neff F, Janik D, Rathkolb B, Rozman J, de Angelis MH, Moustafa T, Haemmerle G, Mayr M, Willeit P, von Frieling-Salewsky M, Pieske B, Scorrano L, Pieber T, Pechlaner R, Willeit J, Sigrist SJ, Linke WA, Mühlfeld C, Sadoshima J, Dengjel J, Kiechl S, Kroemer G, Sedej S, Madeo F. Cardioprotection and lifespan extension by the natural polyamine spermidine *Nat Med* 2016;22(12):1428-1438

Fraguas MS, Eggenschwiler R, Hoepfner J, Schiavato JL, Haddad R, Oliveira LH, Araujo AG, Zago MA, Panepucci RA, Cantz T. MicroRNA-29 impairs the early phase of reprogramming process by targeting active DNA demethylation enzymes and Wnt signaling. *Stem Cell Res* 2016;19:21-30

Funke M, Knudsen L, Lagares D, Ebener S, Probst CK, Fontaine BA, Franklin A, Kellner M, Künnel M, Matthieu S, Grothausmann R, Chun J, Roberts JD, Jr, Ochs M, Tager AM. Lysophosphatidic Acid Signaling through the Lysophosphatidic Acid-1 Receptor Is Required for Alveolarization. *Am J Respir Cell Mol Biol* 2016;55(1):105-116

Greulich F, Rudat C, Farin HF, Christoffels VM, Kispert A. Lack of Genetic Interaction between Tbx18 and Tbx2/Tbx20 in Mouse Epicardial Development *PLoS One* 2016;11(6):e0156787

Greulich F, Trowe MO, Leffler A, Stoetzer C, Farin HF, Kispert A. Misexpression of Tbx18 in cardiac chambers of fetal mice interferes with chamber-specific developmental programs but does not induce a pacemaker-like gene signature *J Mol Cell Cardiol* 2016;97:140-149

Haddad S, Wang Y, Galy B, Korf-Klingebiel M, Hirsch V, Baru AM, Rostami F, Reboll MR, Heineke J, Flögel U, Groos S, Renner A, Toischer K, Zimmermann F, Engeli S, Jordan J, Bauersachs J, Hentze MW, Wollert KC, Kempf T. Iron-regulatory proteins secure iron availability in cardiomyocytes to prevent heart failure. *Eur Heart J* 2017;38(5):362-372

Hartmann D, Fiedler J, Sonnenschein K, Just A, Pfanne A, Zimmer K, Remke J, Foinquinos A, Butzlaff M, Schimmel K, Maegdefessel L, Hilfiker-Kleiner D, Lachmann N, Schober A, Froese N, Heineke J, Bauersachs J, Batkai S, Thum T. MicroRNA-based Therapy of Gata2-deficient Vascular Disease. *Circulation* 2016;134(24):1973-1990

Hoepfner J, Kleinsorge M, Papp O, Ackermann M, Alfken S, Rinas U, Solodenko W, Kirschning A, Sgodda M, Cantz T. Biphasic modulation of Wnt signaling supports efficient foregut endoderm formation from human pluripotent stem cells *Cell Biol Int* 2016;40(5):534-548

Hübner J, Hoseini SS, Suerth JD, Hoffmann D, Maluski M, Herbst J, Maul H, Ghosh A, Eiz-Vesper B, Yuan Q, Ott M, Heuser M, Schambach A, Sauer MG. Generation of Genetically Engineered Precursor T-Cells From Human Umbilical Cord Blood Using an Optimized Alpharetroviral Vector Platform. *Mol Ther* 2016;24(7):1216-1226

Ivanova L, Buch A, Döhner K, Pohlmann A, Binz A, Prank U, Sandbaumhüter M, Bauerfeind R, Sodeik B. Conserved Tryptophan Motifs in the Large Tegument Protein pUL36 Are Required for Efficient Secondary Envelopment of Herpes Simplex Virus Capsids *J Virol* 2016;90(11):5368-5383

Kellner M, Heidrich M, Lorbeer RA, Antonopoulos GC, Knudsen L, Wrede C, Izykowski N, Grothausmann R, Jonigk D, Ochs M, Ripken T, Künnel MP, Meyer H. A combined method for correlative 3D imaging of biological samples from macro to nano scale. *Sci Rep* 2016;6:35606

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. *Nat Commun* 2016;7:13602

Kropp C, Kempf H, Halloin C, Robles-Diaz D, Franke A, Schepet T, Kinast K, Knorpp T, Joos TO, Haverich A, Martin U, Zweigerdt R, Olmer R. Impact of Feeding Strategies on the Scalable Expansion of Human Pluripotent Stem Cells in Single-Use Stirred Tank Bioreactors. *Stem Cells Transl Med* 2016;5(10):1289-1301

Kuebler WM, Wittenberg C, Lee WL, Reppien E, Goldenberg NM, Lindner K, Gao Y, Winoto-Morbach S, Drab M, Mühlfeld C, Dombrowsky H, Ochs M, Schütze S, Uhlig S. Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. *Am J Physiol Lung Cell Mol Physiol* 2016;310(8):L720-32

Lim KT, Lee SC, Gao Y, Kim KP, Song G, An SY, Adachi K, Jang YJ, Kim J, Oh KJ, Kwak TH, Hwang SI, You JS, Ko K, Koo SH, Sharma AD, Kim JH, Hui L, Cantz T, Schöler HR, Han DW. Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. *Cell Rep* 2016;DOI: 10.1016/j.celrep.2016.03.071

Lüdtke TH, Rudat C, Wojahn I, Weiss AC, Kleppa MJ, Kurz J, Farin HF, Moon A, Christoffels VM, Kispert A. Tbx2 and Tbx3 Act Downstream of Shh to Maintain Canonical Wnt Signaling during Branching Morphogenesis of the Murine Lung. *Dev Cell* 2016;39(2):239-253

Mucci A, Kunkiel J, Suzuki T, Brennig S, Glage S, Kühnel MP, Ackermann M, Happel C, Kuhn A, Schambach A, Trapnell BC, Hansen G, Moritz T, Lachmann N. Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency. *Stem Cell Reports* 2016;7(2):292-305

Mühlfeld C, Madsen J, Mackay RM, Schneider JP, Schipke J, Lutz D, Birkelbach B, Knudsen L, Botto M, Ochs M, Clark H. Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. *Histochem Cell Biol* 2017;147(1):49-61

Napp LC, Jabs O, Höckelmann A, Dutzmann J, Kapopara PR, Sedding DG, Gaestel M, Bauersachs J, Bavendiek U. Normal endothelial but impaired arterial development in MAP-Kinase activated protein kinase 2 (MK2) deficient mice. *Vasc Cell* 2016;8:4

Reiter U, Reiter G, Manninger M, Adelsmayr G, Schipke J, Alogna A, Rajces A, Stalder AF, Greiser A, Mühlfeld C, Scherr D, Post H, Pieske B, Fuchsjaeger M. Early-stage heart failure with preserved ejection fraction in the pig: a cardiovascular magnetic resonance study. *J Cardiovasc Magn Reson* 2016;18(1):63

Schaefer F, Doyon A, Azukaitis K, Bayazit A, Canpolat N, Duzova A, Niemirska A, Sözeri B, Thurn D, Anarat A, Ranchin B, Litwin M, Caliskan S, Candan C, Baskin E, Yilmaz E, Mir S, Kirchner M, Sander A, Haffner D, Melk A, Wuhl E, Shroff R, Querfeld U, 4C Study Consortium. Cardiovascular Phenotypes in Children with CKD: The 4C Study. *Clin J Am Soc Nephrol* 2017;12(1):19-28

Schambach A, Morgan M. Retroviral Vectors for Cancer Gene Therapy. *Recent Results Cancer Res* 2016;209:17-35

Schipke J, Grimm C, Arnstein G, Kockskämper J, Sedej S, Mühlfeld C. Cardiomyocyte loss is not required for the progression of left ventricular hypertrophy induced by pressure overload in female mice. *J Anat* 2016;229(1):75-81

Skuljic J, Cabanski M, Surdzic E, Lachmann N, Brennig S, Pul R, Jirmo AC, Habener A, Visic J, Daluge K, Hennig C, Moritz T, Happel C, Hansen G. Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory T cells in scurfy mice. *Eur J Immunol* 2016;46(7):1656-1668

Song G, Pacher M, Balakrishnan A, Yuan Q, Tsay HC, Yang D, Reetz J, Brandes S, Dai Z, Putzer BM, Arauzo-Bravo MJ, Steinemann D, Luedde T, Schwabe RF, Manns MP, Schöler HR, Schambach A, Cantz T, Ott M, Sharma AD. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. *Cell Stem Cell* 2016;18(6):797-808

Stanslawsky N, Jahn K, Venneri A, Naujock M, Haase A, Martin U, Frieling H, Wegner F. Functional effects of cannabinoids during dopaminergic specification of human neural precursors derived from induced pluripotent stem cells. *Addict Biol* 2016;DOI: 10.1111/adb.12394

Stoetzer C, Doll T, Stueber T, Herzog C, Echtermeyer F, Greulich F, Rudat C, Kispert A, Wegner F, Leffler A. Tetrodotoxin-sensitive alpha-subunits of voltage-gated sodium channels are relevant for inhibition of cardiac sodium currents by local anesthetics. *Naunyn Schmiedebergs Arch Pharmacol* 2016;389(6):625-636

Thackeray JT, Bankstahl JP, Wang Y, Wollert KC, Bengel FM. Targeting Amino Acid Metabolism for Molecular Imaging of Inflammation Early After Myocardial Infarction. *Theranostics* 2016;6(11):1768-1779

Tudorache I, Horke A, Cebotari S, Sarikouch S, Boethig D, Breymann T, Beerbaum P, Bertram H, Westhoff-Bleck M, Theodoridis K, Bobylev D, Cheptanaru E, Ciubotaru A, Haverich A. Decellularized aortic homografts for aortic valve and aorta ascendens replacement. *Eur J Cardiothorac Surg* 2016;50(1):89-97

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. HIV-1 infection results in increased frequency of active and inflammatory sIgDCs that produce high level of IL-1beta. *J Acquir Immune Defic Syndr* 2016;73(1):34-38

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. IL-1beta limits the extent of human 6-sulfo LacNAc dendritic cell (sIgDC)-mediated NK cell activation and regulates CD95-induced apoptosis. *Cell Mol Immunol* 2016;DOI: 10.1038/cmi.2016.17

Weber N, Schwanke K, Greten S, Wendland M, Iorga B, Fischer M, Geers-Knörr C, Hegermann J, Wrede C, Fiedler J, Kempf H, Franke A, Piep B, Pfanne A, Thum T, Martin U, Brenner B, Zweigerdt R, Kraft T. Stiff matrix induces switch to pure beta-cardiac myosin heavy chain expression in human ESC-derived cardiomyocytes. *Basic Res Cardiol* 2016;111(6):68

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinney PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study. *Acta Neuropathol* 2016;132(3):433-451

Yang D, Yuan Q, Balakrishnan A, Bantel H, Klusmann JH, Manns MP, Ott M, Cantz T, Sharma AD. MicroRNA-125b-5p mimic inhibits acute liver failure. *Nat Commun* 2016;7:11916

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing. *Eur J Immunol* 2016;46(6):1415-1426

### **Übersichtsarbeiten**

Garcia de Vinuesa A, Abdelilah-Seyfried S, Knaus P, Zwijnen A, Bailly S. BMP signaling in vascular biology and dysfunction. *Cytokine Growth Factor Rev* 2016;27:65-79

Haack T, Abdelilah-Seyfried S. The force within: endocardial development, mechanotransduction and signalling during cardiac morphogenesis. *Development* 2016;143(3):373-386

Knudsen L, Ruppert C, Ochs M. Tissue remodelling in pulmonary fibrosis. *Cell Tissue Res* 2017;367(3):607-626

Lopez-Rodriguez E, Gay-Jordi G, Mucci A, Lachmann N, Serrano-Mollar A. Lung surfactant metabolism: early in life, early in disease and target in cell therapy. *Cell Tissue Res* 2017;367(3):721-735

Merseburger AS, Sedding D, Hüter K. Kardiovaskuläre Risikopatienten unter Androgenentzugstherapie: Geringeres Risiko mit GnRH-Antagonisten im Vergleich zu LHRH-Agonisten? *Urologe A* 2016;55(2):218-225

Ochs M, Knudsen L, Hegermann J, Wrede C, Grothausmann R, Mühlfeld C. Using electron microscopes to look into the lung. *Histochem Cell Biol* 2016;146(6):695-707

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics. *Annu Rev Immunol* 2016;34:203-242

Willbold E, Weizbauer A, Loos A, Seitz JM, Angrisani N, Windhagen H, Reifenrath J. Magnesium alloys: A stony pathway from intensive research to clinical reality. Different test methods and approval-related considerations. *J Biomed Mater Res A* 2017;105(1):329-347

### **Buchbeiträge, Monografien**

Werth K, Förster R. Active Shaping of Chemokine Gradients by Atypical Chemokine Receptors: A 4D Live-Cell Imaging Migration Assay. *Methods Enzymol* 2016;570:293-308

### **Promotionen**

Kohlschein, Saskia (Dr. rer. nat. M.Sc.): Screening for hematopoietic stem cell regenerating genes in the Mpl-deficient mouse model  
MHH-Signatur: D 80549

Liebhaber, Steffi (Dr. rer. nat. Dipl.Biol.): The role of microRNAs during reprogramming and in vitro hematopoietic differentiation of pluripotent stem cells  
MHH-Signatur: D 80507

Menon, Akshay (PhD Regenerative Medicine M.Sc. Neuroscience): Functional role of Mitochondria-localized Glutamic Acid Rich Protein (MGARP) in Vascular Homeostasis  
MHH-Signatur: D 80548

Saha, Debapriya (PhD Cryotechnology M.Sc.): Effect of cryopreservation procedures on the viability, genetic and epigenetic stability of multipotent stromal cells  
MHH-Signatur: D 80547

## SFB 900: Chronische Infektionen: Mikrobielle Persistenz und ihre Kontrolle

### Originalpublikationen

Ashford P, Hernandez A, Greco TM, Buch A, Sodeik B, Cristea IM, Grunewald K, Shepherd A, Topf M. HVint: A Strategy for Identifying Novel Protein-Protein Interactions in Herpes Simplex Virus Type 1 Mol Cell Proteomics 2016;15(9):2939-2953

Barrozo RM, Hansen LM, Lam AM, Skoog EC, Martin ME, Cai LP, Lin Y, Latoscha A, Suerbaum S, Canfield DR, Solnick JV. CagY is an Immune-Sensitive Regulator of the Helicobacter pylori Type IV Secretion System. Gastroenterology 2016;151(6):1164-1175.e3

Bönig T, Olbermann P, Bats SH, Fischer W, Josenhans C. Systematic site-directed mutagenesis of the Helicobacter pylori CagL protein of the Cag type IV secretion system identifies novel functional domains Sci Rep 2016;6:38101

Brannemann AK, Liermann K, Deinhardt-Emmer S, Maschkowitz G, Pohlmann A, Sodeik B, Fickenscher H, Sauerbrei A, Krumbholz A. Recombinant herpes simplex virus type 1 strains with targeted mutations relevant for aciclovir susceptibility Sci Rep 2016;6:29903

Bubendorfer S, Krebes J, Yang I, Hage E, Schulz TF, Bahlawane C, Didelot X, Suerbaum S. Genome-wide analysis of chromosomal import patterns after natural transformation of Helicobacter pylori Nat Commun 2016;7:11995

Gogol-Döring A, Ammar I, Gupta S, Bunse M, Miskey C, Chen W, Uckert W, Schulz TF, Izsvák Z, Ivics Z. Genome-wide Profiling Reveals Remarkable Parallels Between Insertion Site Selection Properties of the MLV Retrovirus and the piggyBac Transposon in Primary Human CD4(+) T Cells Mol Ther 2016;24(3):592-606

Halle S, Keyser KA, Stahl FR, Busche A, Marquardt A, Zheng X, Galla M, Heissmeyer V, Heller K, Boelter J, Wagner K, Bischoff Y, Martens R, Braun A, Werth K, Uvarovskii A, Kempf H, Meyer-Hermann M, Arens R, Kremer M, Sutter G, Messerle M, Förster R. In Vivo Killing Capacity of Cytotoxic T Cells Is Limited and Involves Dynamic Interactions and T Cell Cooperativity Immunity 2016;44(2):233-245

Ivanova L, Buch A, Döhner K, Pohlmann A, Binz A, Prank U, Sandbaumhüter M, Bauerfeind R, Sodeik B. Conserved Tryptophan Motifs in the Large Tegument Protein pUL36 Are Required for Efficient Secondary Envelopment of Herpes Simplex Virus Capsids J Virol 2016;90(11):5368-5383

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lieneklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. Cell Rep 2016;17(4):1113-1127

Raha S, Raud B, Oberdörfer L, Castro CN, Schreder A, Freitag J, Longerich T, Lochner M, Sparwasser T, Berod L, Koenecke C, Prinz I. Disruption of de novo fatty acid synthesis via acetyl-CoA carboxylase 1 inhibition prevents acute graft-versus-host disease. Eur J Immunol 2016;46(9):2233-2238

Siddharta A, Pfaender S, Malassa A, Doerrbecker J, Anggakusuma, Engelmann M, Nugraha B, Steinmann J, Todt D, Vondran FW, Mateu-Gelabert P, Goffinet C, Steinmann E. Inactivation of HCV and HIV by microwave: a novel approach for prevention of virus transmission among people who inject drugs Sci Rep 2016;6:36619

Thiel N, Keyser KA, Lemmermann NA, Oduro JD, Wagner K, Elsner C, Halenius A, Lenac Roviš T, Brinkmann MM, Jonjić S, Cicin-Sain L, Messerle M. The Mouse Cytomegalovirus Gene m42 Targets Surface Expression of the Protein Tyrosine Phosphatase CD45 in Infected Macrophages PLoS Pathog 2016;12(12):e1006057

Vieyres G, Welsch K, Gerold G, Gentzsch J, Kahl S, Vondran FW, Kaderali L, Pietschmann T. ABHD5/CGI-58, the Chanarin-Dorfman Syndrome Protein, Mobilises Lipid Stores for Hepatitis C Virus Production PLoS Pathog 2016;12(4):e1005568

von Schaewen M, Dorner M, Hueging K, Foquet L, Gerges S, Hrebikova G, Heller B, Bitzegeio J, Doerrbecker J, Horwitz JA, Gerold G, Suerbaum S, Rice CM, Meuleman P, Pietschmann T, Ploss A. Expanding the Host Range of Hepatitis C Virus through Viral Adaptation. MBio 2016;7(6):10.1128/mBio.01915-10.1128/mBio.01916

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinney PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage: a post-mortem and in vitro study Acta Neuropathol 2016;132(3):433-451

Xu S, Ducroux A, Ponnurangam A, Vieyres G, Franz S, Müskens M, Zillinger T, Malassa A, Ewald E, Hornung V, Barchet W, Häussler S, Pietschmann T, Goffinet C. cGAS-Mediated Innate Immunity Spreads Intercellularly through HIV-1 Env-Induced Membrane Fusion Sites. *Cell Host Microbe* 2016;20(4):443-457

Yang I, Woltemate S, Piazuelo MB, Bravo LE, Yepez MC, Romero-Gallo J, Delgado AG, Wilson KT, Peek RM, Correa P, Josenhans C, Fox JG, Suerbaum S. Different gastric microbiota compositions in two human populations with high and low gastric cancer risk in Colombia. *Sci Rep* 2016;6:18594

Zhang G, Chan B, Samarina N, Abere B, Weidner-Glunde M, Buch A, Pich A, Brinkmann MM, Schulz TF. Cytoplasmic isoforms of Kaposi's sarcoma herpesvirus LANA recruit and antagonize the innate immune DNA sensor cGAS. *Proc Natl Acad Sci U S A* 2016;113(8):E1034-E1043

### **Übersichtsarbeiten**

Abere B, Schulz TF. KSHV non-structural membrane proteins involved in the activation of intracellular signaling pathways and the pathogenesis of Kaposi's sarcoma *Curr Opin Virol* 2016;20:11-19

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics *Annu Rev Immunol* 2016;34:203-242

Worbs T, Hammerschmidt SI, Förster R. Dendritic cell migration in health and disease *Nat Rev Immunol* 2017;17(1):30-48

### **Promotionen**

Schulte, Björn (Dr. rer. nat. M.Sc.Biology): Study of Hepatitis C Virus quasispecies dynamics in the course of acute and chronic infection by next-generation sequencing of the full viral open reading frame  
MHH-Signatur: D 80181

## **SFB Transregio 127**

### **Originalpublikationen**

Bähr A, Käser T, Kemter E, Gerner W, Kurome M, Baars W, Herbach N, Witter K, Wünsch A, Talker SC, Kessler B, Nagashima H, Saalmüller A, Schwinzer R, Wolf E, Klymiuk N. Ubiquitous LEA29Y Expression Blocks T Cell Co-Stimulation but Permits Sexual Reproduction in Genetically Modified Pigs *PLoS One* 2016;11(5):e0155676

Fischer K, Kraner-Scheiber S, Petersen B, Rieblinger B, Buermann A, Flisikowska T, Flisikowski K, Christian S, Edlinger M, Baars W, Kurome M, Zakhartchenko V, Kessler B, Plotzki E, Szczerbał I, Switonski M, Denner J, Wolf E, Schwinzer R, Niemann H, Kind A, Schnieke A. Efficient production of multi-modified pigs for xenotransplantation by 'combineering', gene stacking and gene editing *Sci Rep* 2016;6:29081

## **Sonderforschungsbereich 587: Immunreaktionen der Lunge bei Infektion und Allergie**

### **Originalpublikationen**

Schenk H, Neumann D, Kloth C. Histamine regulates murine primary dendritic cell functions. *Immunopharmacol Immunotoxicol* 2016;38(5):379-384

## **Sonderforschungsbereich 599: Zukunftsfähige bioresorbierbare und permanente Implantate aus metallischen und keramischen Werkstoffen**

### **Originalpublikationen**

Angrisani N, Reifenrath J, Zimmermann F, Eifler R, Meyer-Lindenberg A, Vano-Herrera K, Vogt C. Biocompatibility and degradation of LAE442-based magnesium alloys after implantation of up to 3.5 years in a rabbit model. *Acta Biomater* 2016;44:355-365

Behrens BA, Escobar SB, Niemeier H, Vucetic M, Bouguecha A, Lucas K, Nolte I, Wefstaedt P, Lerch M, Stukenborg-Colsman C, Almohammadi A. Design and manufacturing of a human standardised hip cup out of titanium. Materialwissenschaft und Werkstofftechnik 2016;47(7):608-622

Genzel S, Sen Richter A, Reich U, Menzel H, Reuter G, Lenarz T, Paasche G. Fibroblast growth on patterned polymeric coatings. Phys Status Solidi A Appl Mater Sci 2016;213(6):1456-1462

Rahim MI, Tavares A, Evertz F, Kieke M, Seitz JM, Eifler R, Weizbauer A, Willbold E, Jürgen Maier H, Glasmacher B, Behrens P, Hauser H, Mueller PP. Phosphate conversion coating reduces the degradation rate and suppresses side effects of metallic magnesium implants in an animal model. J Biomed Mater Res B Appl Biomater 2016;DOI: 10.1002/jbm.b.33704

## Sonderforschungsbereich 621: Pathobiologie der intestinalen Mukosa

### Originalpublikationen

Atreya R, Bloom S, Scaldaferri F, Gerardi V, Admyre C, Karlsson A, Knittel T, Kowalski J, Lukas M, Löfberg R, Nancy S, Petryka R, Rydzewska G, Schnabel R, Seidler U, Neurath MF, Hawkey C. Clinical Effects of a Topically Applied Toll-like Receptor 9 Agonist in Active Moderate-to-Severe Ulcerative Colitis. J Crohns Colitis 2016;10(11):1294-1302

Feagan BG, Sandborn WJ, Gasink C, Jacobstein D, Lang Y, Friedman JR, Blank MA, Johanns J, Gao LL, Miao Y, Adedokun OJ, Sands BE, Hanauer SB, Vermeire S, Targan S, Ghosh S, de Villiers WJ, Colombel JF, Tulassay Z, Seidler U, Salzberg BA, Desreumaux P, Lee SD, Loftus EV,Jr, Dieleman LA, Katz S, Rutgeerts P, UNITI-IM-UNITI Study Group. Ustekinumab as Induction and Maintenance Therapy for Crohn's Disease. N Engl J Med 2016;375(20):1946-1960

Regueiro M, Feagan BG, Zou B, Johanns J, Blank MA, Chevrier M, Plevy S, Popp J, Cornillie FJ, Lukas M, Danese S, Gionchetti P, Hanauer SB, Reinisch W, Sandborn WJ, Sorrentino D, Rutgeerts P, PREVENT Study Group. Infliximab Reduces Endoscopic, but Not Clinical, Recurrence of Crohn's Disease After Ileocolonic Resection. Gastroenterology 2016;150(7):1568-1578

Schmidt C, Ahmad T, Tulassay Z, Baumgart DC, Bokemeyer B, Howaldt S, Stallmach A, Büning C, AEGIS Study Group. Ferric maltol therapy for iron deficiency anaemia in patients with inflammatory bowel disease: long-term extension data from a Phase 3 study. Aliment Pharmacol Ther 2016;44(3):259-270

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stripecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup> /H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. J Cell Physiol 2017;232(7):1669-1680

Yu Q, Liu X, Liu Y, Riederer B, Li T, Tian DA, Tuo B, Shull G, Seidler U. Defective small intestinal anion secretion, dipeptide absorption, and intestinal failure in suckling NBCe1-deficient mice. Pflugers Arch 2016;468(8):1419-1432

## Sonderforschungsbereich 738: Optimierung konventioneller und innovativer Transplantate

### Originalpublikationen

Baisantry A, Bhayana S, Wrede C, Hegermann J, Haller H, Melk A, Schmitt R. The impact of autophagy on the development of senescence in primary tubular epithelial cells Cell Cycle 2016;15(21):2973-2979

Baumann AK, Schlue J, Noyan F, Hardtke-Wolenski M, Lehner F, Barg-Hock H, Klempnauer J, Manns MP, Taubert R, Jaeckel E. Preferential accumulation of T helper cells but not cytotoxic T cells characterizes benign subclinical rejection of human liver allografts Liver Transpl 2016;22(7):943-955

Blume J, Zur Lage S, Witzlau K, Georgiev H, Weiss S, Lyszkiewicz M, Zietara N, Krueger A. Overexpression of Valpha14Jalpha18 TCR promotes development of iNKT cells in the absence of miR-181a/b-1. Immunol Cell Biol 2016;94(8):741-746

Eggenschwiler R, Moslem M, Fraguas MS, Galla M, Papp O, Naujock M, Fonfara I, Gensch I, Wähner A, Beh-Pajooch A, Mussolini C, Tauscher M, Steinemann D, Wegner F, Petri S, Schambach A, Charpentier E, Cathomen T, Cantz T. Improved bi-allelic modification of a transcriptionally silent locus in patient-derived iPSC by Cas9 nickase. Sci Rep 2016;6:38198

Fragas MS, Eggenschwiler R, Hoepfner J, Schiavato JL, Haddad R, Oliveira LH, Araujo AG, Zago MA, Panepucci RA, Cantz T. MicroRNA-29 impairs the early phase of reprogramming process by targeting active DNA demethylation enzymes and Wnt signaling. *Stem Cell Res* 2016;19:21-30

Kohli K, Janssen A, Förster R. Plasmacytoid dendritic cells induce tolerance predominantly by cargoing antigen to lymph nodes. *Eur J Immunol* 2016;46(11):2659-2668

Raha S, Raud B, Oberdörfer L, Castro CN, Schreder A, Freitag J, Longerich T, Lochner M, Sparwasser T, Berod L, Koenecke C, Prinz I. Disruption of de novo fatty acid synthesis via acetyl-CoA carboxylase 1 inhibition prevents acute graft-versus-host disease. *Eur J Immunol* 2016;46(9):2233-2238

Song G, Pacher M, Balakrishnan A, Yuan Q, Tsay HC, Yang D, Reetz J, Brandes S, Dai Z, Putzer BM, Arauzo-Bravo MJ, Steinemann D, Luedde T, Schwabe RF, Manns MP, Schöler HR, Schambach A, Cantz T, Ott M, Sharma AD. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. *Cell Stem Cell* 2016;18(6):797-808

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. HIV-1 infection results in increased frequency of active and inflammatory sIgDCs that produce high level of IL-1beta. *J Acquir Immune Defic Syndr* 2016;73(1):34-38

Tufa DM, Ahmad F, Chatterjee D, Ahrenstorf G, Schmidt RE, Jacobs R. IL-1beta limits the extent of human 6-sulfo LacNAc dendritic cell (sIgDC)-mediated NK cell activation and regulates CD95-induced apoptosis. *Cell Mol Immunol* 2016;DOI: 10.1038/cmi.2016.17

Zheng X, Halle S, Yu K, Mishra P, Scherr M, Pietzsch S, Willenzon S, Janssen A, Boelter J, Hilfiker-Kleiner D, Eder M, Förster R. Cardiomyocytes display low mitochondrial priming and are highly resistant toward cytotoxic T-cell killing. *Eur J Immunol* 2016;46(6):1415-1426

### Übersichtsarbeiten

Oldhafer F, Bock M, Falk CS, Vondran FW. Immunological aspects of liver cell transplantation. *World J Transplant* 2016;6(1):42-53

Schulz O, Hammerschmidt SI, Moschovakis GL, Förster R. Chemokines and Chemokine Receptors in Lymphoid Tissue Dynamics. *Annu Rev Immunol* 2016;34:203-242

Worbs T, Hammerschmidt SI, Förster R. Dendritic cell migration in health and disease. *Nat Rev Immunol* 2017;17(1):30-48

### Buchbeiträge, Monografien

Werth K, Förster R. Active Shaping of Chemokine Gradients by Atypical Chemokine Receptors: A 4D Live-Cell Imaging Migration Assay. *Methods Enzymol* 2016;570:293-308

## TwinCore

### Promotionen

Thomsen, Irene (Dr. rer. nat.): Diversification of the intestinal IgA system studying dynamics of humoral immunity by high-throughput sequencing

MHH-Signatur: D 80539

## Zentrale Forschungseinrichtung: Lasermikroskopie

### Originalpublikationen

Atreya R, Bloom S, Scaldaferri F, Gerardi V, Admyre C, Karlsson A, Knittel T, Kowalski J, Lukas M, Löfberg R, Nancey S, Petryka R, Rydzewska G, Schnabel R, Seidler U, Neurath MF, Hawkey C. Clinical Effects of a Topically Applied Toll-like Receptor 9 Agonist in Active Moderate-to-Severe Ulcerative Colitis. *J Crohns Colitis* 2016;10(11):1294-1302

Borst EM, Bauerfeind R, Binz A, Stephan TM, Neuber S, Wagner K, Steinbrück L, Sodeik B, Lenac Roviš T, Jonjić S, Messerle M. The Essential Human Cytomegalovirus Proteins pUL77 and pUL93 Are Structural Components Necessary for Viral Genome Encapsidation. *J Virol* 2016;90(13):5860-5875

Feagan BG, Sandborn WJ, Gasink C, Jacobstein D, Lang Y, Friedman JR, Blank MA, Johanns J, Gao LL, Miao Y, Adedokun OJ, Sands BE, Hanauer SB, Vermeire S, Targan S, Ghosh S, de Villiers WJ, Colombel JF, Tulassay Z, Seidler U, Salzberg BA, Desreumaux P, Lee SD, Loftus EV, Jr, Dieleman LA, Katz S, Rutgeerts P, UNITI-IM-UNITI Study Group. Ustekinumab as Induction and Maintenance Therapy for Crohn's Disease. *N Engl J Med* 2016;375(20):1946-1960

Regueiro M, Feagan BG, Zou B, Johanns J, Blank MA, Chevrier M, Plevy S, Popp J, Cornillie FJ, Lukas M, Danese S, Gionchetti P, Hanauer SB, Reinisch W, Sandborn WJ, Sorrentino D, Rutgeerts P, PREVENT Study Group. Infliximab Reduces Endoscopic, but Not Clinical, Recurrence of Crohn's Disease After Ileocolonic Resection. *Gastroenterology* 2016;150(7):1568-1578

Schmidt C, Ahmad T, Tulassay Z, Baumgart DC, Bokemeyer B, Howaldt S, Stallmach A, Büning C, AEGIS Study Group. Ferric maltol therapy for iron deficiency anaemia in patients with inflammatory bowel disease: long-term extension data from a Phase 3 study. *Aliment Pharmacol Ther* 2016;44(3):259-270

Thiel N, Keyser KA, Lemmermann NA, Odoro JD, Wagner K, Elsner C, Halenius A, Lenac Roviš T, Brinkmann MM, Jonjić S, Cicin-Sain L, Messerle M. The Mouse Cytomegalovirus Gene m42 Targets Surface Expression of the Protein Tyrosine Phosphatase CD45 in Infected Macrophages. *PLoS Pathog* 2016;12(12):e1006057

Vor der Nolte AP, Chodisetti G, Yuan Z, Busch F, Riederer B, Luo M, Yu Y, Menon MB, Schneider A, Stipecke R, Nikolovska K, Yeruva S, Seidler U. Na<sup>+</sup> /H<sup>+</sup> Exchanger NHE1 and NHE2 have Opposite Effects on Migration Velocity in the Rat Gastric Surface Cells. *J Cell Physiol* 2017;232(7):1669-1680

Wnek M, Ressel L, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinnery PF, Solomon T, Griffiths MJ. Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study. *Acta Neuropathol* 2016;132(3):433-451

Yu Q, Liu X, Liu Y, Riederer B, Li T, Tian DA, Tuo B, Shull G, Seidler U. Defective small intestinal anion secretion, dipeptide absorption, and intestinal failure in suckling NBCe1-deficient mice. *Pflugers Arch* 2016;468(8):1419-1432

## Übersichtsarbeiten

Manstein DJ, Mulvihill DP. Tropomyosin-mediated Regulation of Cytoplasmic Myosins. *Traffic* 2016;17(8):872-877

# Zentrale Forschungseinrichtung: Massenspektrometrie Metabolomics

## Originalpublikationen

Avsar M, Jansson K, Sommer W, Kruse B, Thissen S, Dreckmann K, Knoefel AK, Salman J, Hafer C, Hecker J, Buechler G, Karstens JH, Jonigk D, Länger F, Kaever V, Falk CS, Hewicker-Trautwein M, Ungefroren H, Haverich A, Strüber M, Warnecke G. Augmentation of Transient Donor Cell Chimerism and Alloantigen-Specific Regulation of Lung Transplants in Miniature Swine. *Am J Transplant* 2016;16(5):1371-1382

Baek KT, Bowman L, Millership C, Dupont Sogaard M, Kaever V, Siljamaki P, Savijoki K, Varmanen P, Nyman TA, Gründling A, Frees D. The Cell Wall Polymer Lipoteichoic Acid Becomes Nonessential in *Staphylococcus aureus* Cells Lacking the ClpX Chaperone. *MBio* 2016;7(4):10.1128/mBio.01228

Bowman L, Zeden MS, Schuster CF, Kaever V, Gründling A. New Insights into the Cyclic Di-adenosine Monophosphate (c-di-AMP) Degradation Pathway and the Requirement of the Cyclic Dinucleotide for Acid Stress Resistance in *Staphylococcus aureus*. *J Biol Chem* 2016;291(53):26970-26986

Gaupels F, Furch AC, Zimmermann MR, Chen F, Kaever V, Buhtz A, Kehr J, Sarioglu H, Kogel KH, Durner J. Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. *Front Plant Sci* 2016;7:154

Groizeleau J, Rybtke M, Andersen JB, Berthelsen J, Liu Y, Yang L, Nielsen TE, Kaever V, Givskov M, Tolker-Nielsen T. The anti-cancerous drug doxorubicin decreases the c-di-GMP content in *Pseudomonas aeruginosa* but promotes biofilm formation. *Microbiology* 2016;162(10):1797-1807

Krol E, Klaner C, Gnau P, Kaever V, Essen LO, Becker A. Cyclic mononucleotide- and Clr-dependent gene regulation in *Sinorhizobium meliloti*. *Microbiology* 2016;162(10):1840-1856

Lacanna E, Bigosch C, Kaever V, Boehm A, Becker A. Evidence for *Escherichia coli* Diguanylate Cyclase DgcZ Interlinking Surface Sensing and Adhesion via Multiple Regulatory Routes. *J Bacteriol* 2016;198(18):2524-2535

Paijo J, Döring M, Spanier J, Grabski E, Nooruzzaman M, Schmidt T, Witte G, Messerle M, Hornung V, Kaever V, Kalinke U. cGAS Senses Human Cytomegalovirus and Induces Type I Interferon Responses in Human Monocyte-Derived Cells. *PLoS Pathog* 2016;12(4):e1005546

Pawar SV, Messina M, Rinaldo S, Cutruzzola F, Kaever V, Rampioni G, Leoni L. Novel genetic tools to tackle c-di-GMP-dependent signalling in Pseudomonas aeruginosa. *J Appl Microbiol* 2016;120(1):205-217

Schmidt A, Hammerbacher AS, Bastian M, Nieken KJ, Klockgether J, Merighi M, Lapouge K, Poschgan C, Kölle J, Acharya KR, Ulrich M, Tümler B, Uden G, Kaever V, Lory S, Haas D, Schwarz S, Döring G. Oxygen-dependent regulation of c-di-GMP synthesis by SadC controls alginate production in Pseudomonas aeruginosa. *Environ Microbiol* 2016;18(10):3390-3402

Skotnicka D, Smaldone GT, Petters T, Trampari E, Liang J, Kaever V, Malone JG, Singer M, Sogaard-Andersen L. A Minimal Threshold of c-di-GMP Is Essential for Fruiting Body Formation and Sporulation in Myxococcus xanthus. *PLoS Genet* 2016;12(5):e1006080

Suppiger A, Eshwar AK, Stephan R, Kaever V, Eberl L, Lehner A. The DSF type quorum sensing signalling system Rpff/R regulates diverse phenotypes in the opportunistic pathogen Cronobacter. *Sci Rep* 2016;6:18753

Tschirner SK, Bähre H, Kaever A, Schneider EH, Seifert R, Kaever V. Non-targeted metabolomics by high resolution mass spectrometry in HPRT knockout mice. *Life Sci* 2016;156:68-73

Tschirner SK, Gutzki F, Schneider EH, Seifert R, Kaever V. Neurotransmitter and their metabolite concentrations in different areas of the HPRT knockout mouse brain. *J Neurol Sci* 2016;365:169-174

#### Comments

Gaupels F, Furch AC, Zimmermann MR, Chen F, Kaever V, Buhtz A, Kehr J, Sarioglu H, Kogel KH, Durner J. Corrigendum: Systemic Induction of NO-, Redox-, and cGMP Signaling in the Pumpkin Extrafascicular Phloem upon Local Leaf Wounding. *Front Plant Sci* 2016;7:281

## Zentrale Forschungseinrichtung: Massenspektrometrische Proteinanalytik

#### Originalpublikationen

Krueger J, Pohl S, Preusse M, Kordes A, Rugen N, Schniederjans M, Pich A, Häussler S. Unravelling post-transcriptional PrmC-dependent regulatory mechanisms in Pseudomonas aeruginosa. *Environ Microbiol* 2016;18(10):3583-3592

## Zentrale Forschungseinrichtung: Transcriptomics

#### Originalpublikationen

Kempf H, Olmer R, Haase A, Franke A, Bolesani E, Schwanke K, Robles-Diaz D, Coffee M, Göhring G, Dräger G, Pötz O, Joos T, Martinez-Hackert E, Haverich A, Buettner FF, Martin U, Zweigerdt R. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. *Nat Commun* 2016;7:13602

Lüdtke TH, Rudat C, Wojahn I, Weiss AC, Kleppa MJ, Kurz J, Farin HF, Moon A, Christoffels VM, Kispert A. Tbx2 and Tbx3 Act Downstream of Shh to Maintain Canonical Wnt Signaling during Branching Morphogenesis of the Murine Lung. *Dev Cell* 2016;39(2):239-253

Tran DD, Koch A, Saran S, Armbrecht M, Ewald F, Koch M, Wahlicht T, Wirth D, Braun A, Nashan B, Gaestel M, Tamura T. Extracellular-signal regulated kinase (Erk1/2), mitogen-activated protein kinase-activated protein kinase 2 (MK2) and tristetraprolin (TTP) comprehensively regulate injury-induced immediate early gene (IEG) response in in vitro liver organ culture. *Cell Signal* 2016;28(5):438-447

## Zentrale Forschungseinrichtung: Zellsortierung (Sorter-Lab)

#### Originalpublikationen

Puttur F, Francozo M, Solmaz G, Bueno C, Lindenberg M, Gohmert M, Swallow M, Tufa D, Jacobs R, Lienenklaus S, Kühl AA, Borkner L, Cicin-Sain L, Holzmann B, Wagner H, Berod L, Sparwasser T. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 2016;17(4):1113-1127

Tomić A, Varanasi PR, Golemac M, Malić S, Riese P, Borst EM, Mischak-Weissinger E, Guzmán CA, Krmpotić A, Jonjić S, Messerle M. Activation of Innate and Adaptive Immunity by a Recombinant Human Cytomegalovirus Strain Expressing an NKG2D Ligand PLoS Pathog 2016;12(12):e1006015