



## Hochschulbibliografie 2019



# **Hochschulbibliografie der Medizinischen Hochschule Hannover**

## **Berichtsjahr 2019**

erstellt in der Bibliothek  
der Medizinischen Hochschule Hannover

# MHH-Hochschulbibliografie 2019

Sehr geehrte Damen und Herren,

mit der Hochschulbibliografie 2019 liegt nun die zwölfte Jahreskumulation der Publikationen von MHH-Autoren, die im Rahmen der Datenerhebung zur Berechnung der leistungsorientierten Mittelvergabe (LOM) der Bibliothek gemeldet wurden, vor. Die gesamte Datenbank zählt nunmehr fast 37.000 Einträge.

Die hier vorliegende Liste des Berichtszeitraumes 2019 enthält auch Publikationen mit Drucklegung 2020 sofern die elektronische Erstveröffentlichung bereits 2019 stattfand.

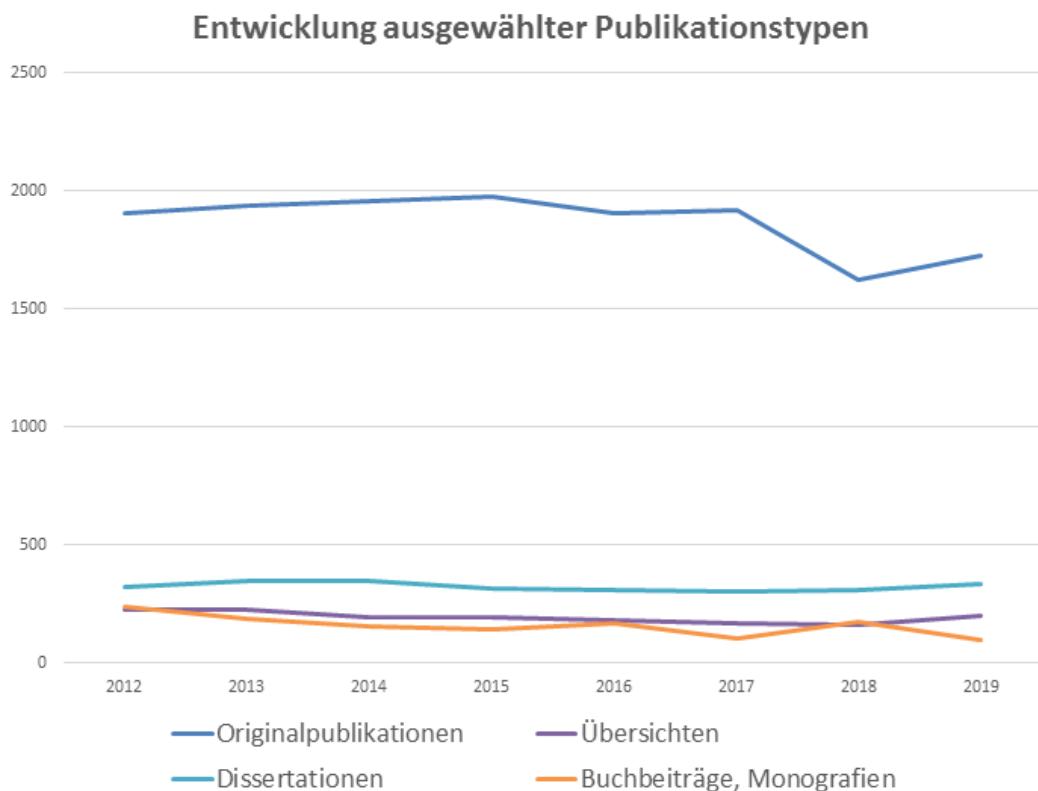
Neben der für die LOM-Berechnung relevanten Publikationen enthält die Sammlung auch die an die Bibliothek abgelieferten MHH-Hochschulschriften (Habilitationen, Dissertationen etc.) sowie weitere Publikationsarten, die für die LOM-Berechnung nicht herangezogen werden, wie Case reports, Comments, Abstracts, Poster und Vorträge.

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 Abteilungszuordnung und die Auswahl des Publikationstyps wurde von den Meldenden in den jeweiligen Abteilungen vorgenommen. Die Entwicklung der Verteilung auf die verschiedenen Publikationsarten stellt sich wie folgt dar:

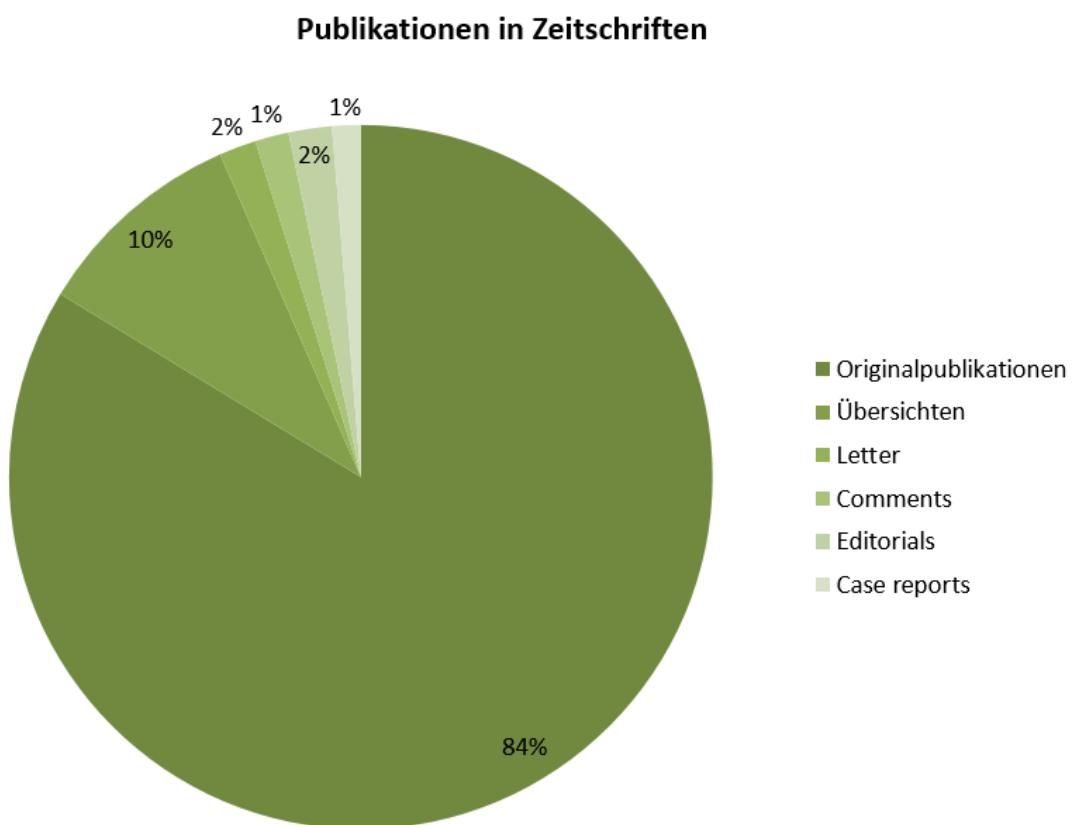
## Publikationsarten

	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Zeitschriftenliteratur</b>									
Originalpublikationen	1880	1907	1940	1961	1979	1908	1922	1625	1725
Übersichten	237	226	229	197	196	182	168	166	201
Letter	46	45	43	30	28	39	31	42	35
Comments	16	18	23	23	13	20	16	25	32
Editorials	40	46	35	37	47	40	34	48	41
Case reports		33	40	38	34	33	28	24	27
<b>Kongressbeiträge</b>									
Vorträge	14	63	26	2	3	3	0	17	13
Abstracts	90	96	229	216	192	100	121	356	432
Poster	4	25	17	5	7	5	11	29	11
<b>Hochschulschriften</b>									
Dissertationen	311	326	349	347	319	310	304	311	338
Habilitationen	33	44	20	30	28	16	22	38	29
Masterarbeiten	54	48	75	54	39	58	47	26	35
Diplomarbeiten	7	1	5	1	0	1	1	0	0
Bachelorarbeiten	18	24	29	30	26	19	23	17	8
<b>Buchveröffentlichungen</b>									
Buchbeiträge, Monografien	226	243	191	159	141	167	108	175	98
Herausgeberschaften	19	19	11	19	12	22	12	13	8
<b>Sonstige</b>	19	21	20	0	16	17	14	32	53
<b>Summen</b> (Mehrfachnennungen möglich. Stand: September 2019)	3005	3163	3224	3166	3073	2940	2862	2944	3086

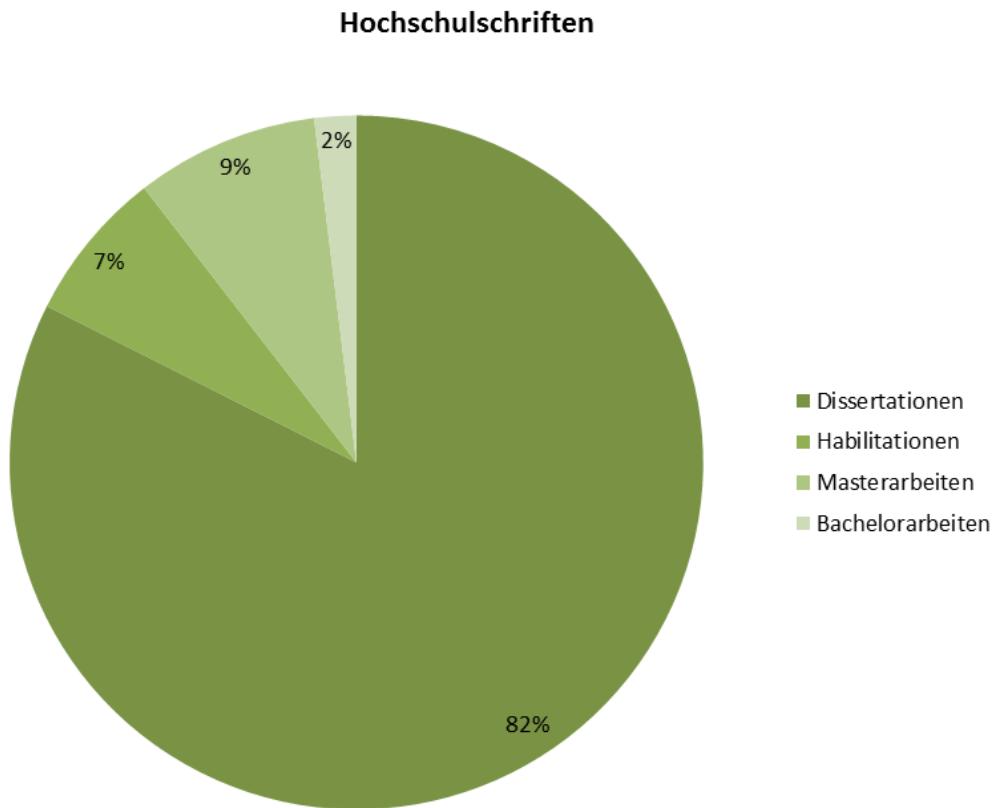
Die Verteilung auf die verschiedenen Publikationsarten zeigt seit Jahren kaum Veränderungen:



Die Abwärtstendenz der letzten Jahre an publizierten Originalpublikationen konnte in 2019 gestoppt werden. Die Verteilung auf die einzelnen Publikationsarten in der Zeitschriftenliteratur stellt sich wie folgt dar:



Die Hochschulschriften zeigen ein nach wie vor konstantes Bild. Die Verteilung auf die verschiedenen Publikationsarten innerhalb dieses Segments zeigt folgendes Bild:



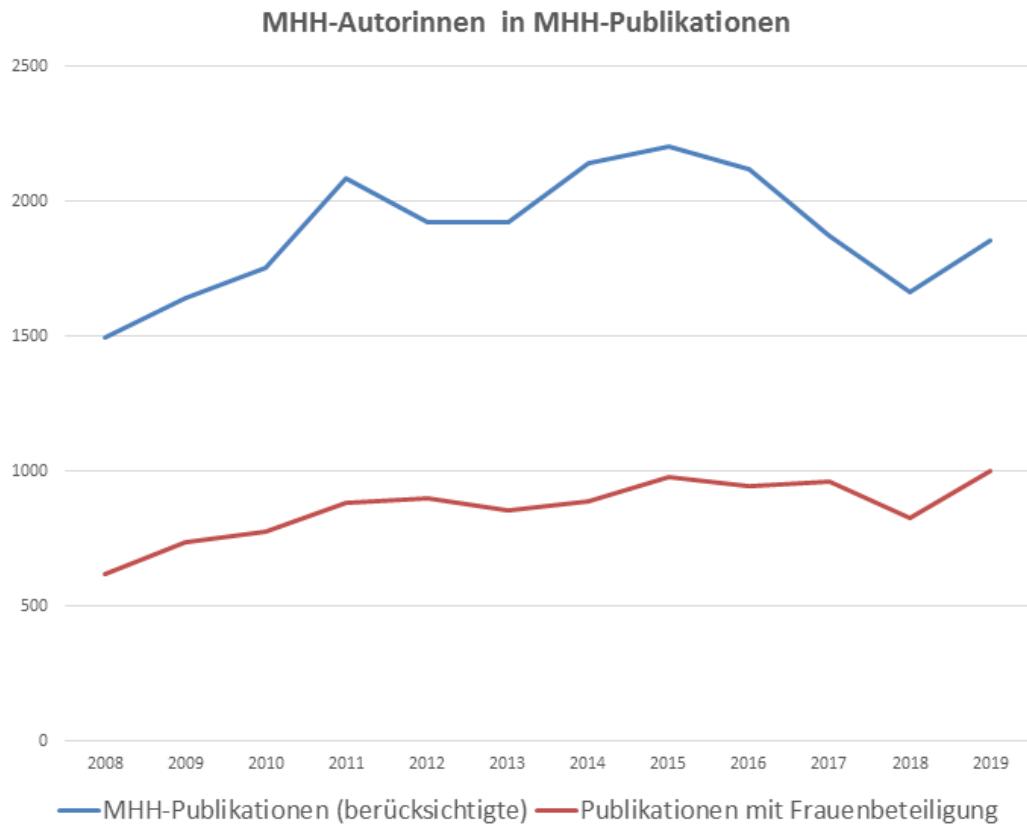
Während alle in der Hochschulbibliografie verzeichneten Publikationen von der Bibliothek im Rahmen des Datentransfers und der Verifikation in verschiedenen Datenbanken geprüft wurden, entstammen die Zuordnungen zu einem Publikationstyp sowie der beteiligten Abteilungen den Publikationsmeldungen an die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

## Zeitschriften

Die folgende Übersicht zeigt eine Rangliste der in 2019 am häufigsten zur Publikation genutzten Zeitschriften unabhängig vom Publikationstyp:

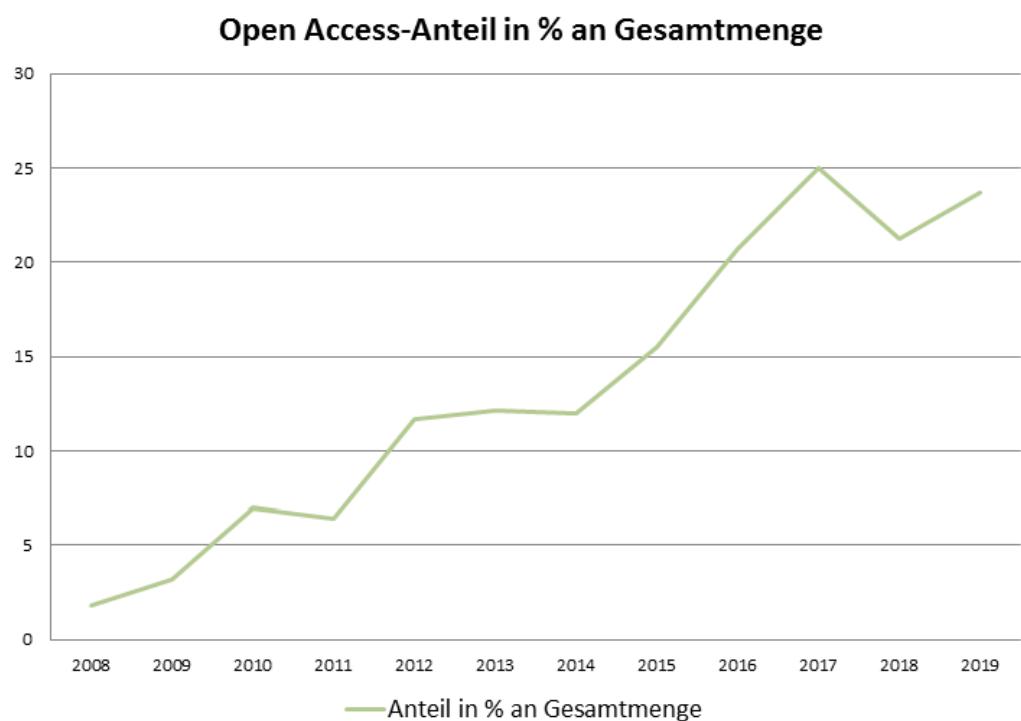
Zeitschrift	Publikationen
Sci.Rep.	50
Plos One	30
Int J Mol Sci	27
Front Immunol	26
Nature Comm	25
Stud Health Technol Sci	17
Eur Resp J	17
Lab Anim	16
Leukemia	14
Haematologica	14
Blood	13

Im Rahmen der Datenerfassung für die Hochschulbibliografie werden auch Informationen erfasst, die für die LOM-Berechnung von Relevanz sind. Dazu gehören der Impact Faktor sowie Informationen über weibliche MHH-Autoren, die Ihren Anteil am Publikationsaufkommen in den vergangenen Jahren kontinuierlich steigern konnten:

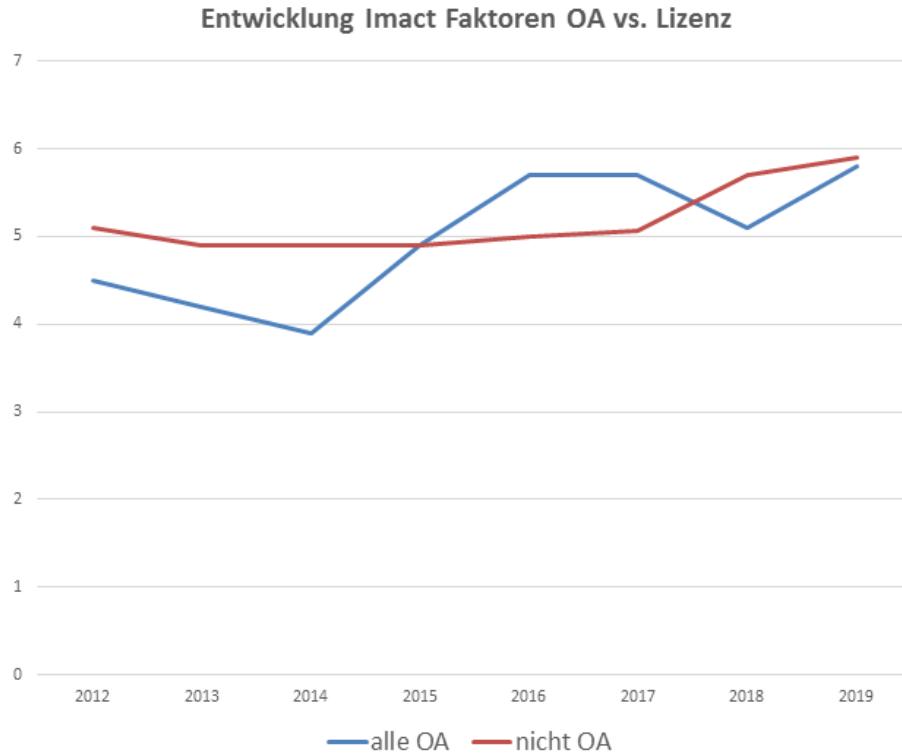


## Open Access

Die MHH hat Ihren Anteil an Open Access Publikationen über die vergangenen Jahre stark ausbauen können. Unabhängig vom Publikationstyp erscheint ca. ein Viertel aller Publikationen Open Access:



Mit ausschlaggebend für die Publikation in einer Zeitschrift ist für viele Autoren der Impact Faktor. Folgende Grafik zeigt für die MHH-Veröffentlichungen der letzten Jahre, dass sich die Impact Faktoren von Open Access Zeitschriften und lizenzbasierten Zeitschriften im Mittel ein „Kopf-an-Kopf-Rennen“ liefern.



Auffällig ist hier aber, dass Open Access Publikationen in Lizenz-Journals (hybrid Open Access) von einem überdurchschnittlichen Impact Faktor profitieren:

mittlerer Impact Faktor		
	2018	2019
<b>alle OA</b>	5,1	5,8
<b>nicht OA</b>	5,7	5,9
<b>gold</b>	5	5,2
<b>hybrid</b>	6,1	11,8

## Weitere Informationen

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 [PuDalsys](#). Das Publikations-Datenbank und Analyse-Tool der MHH-Bibliothek bietet einen übersichtlichen Zugriff auf die hochschulbibliografischen Daten. Darüber hinaus sind hier auch verschiedene Auswertungen (z.B. nach hochschulinternen Kooperationen etc.) möglich.

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 November 2020

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# Kliniken/Institute der Sektion I

## Zentrum Anatomie und Zellbiologie

### Institut für Funktionelle und Angewandte Anatomie – 4120

#### Originalpublikationen

Beike L, Wrede C, Hegermann J, Lopez-Rodriguez E, Kloth C, Gauldie J, Kolb M, Maus UA, Ochs M, Knudsen L. Surfactant dysfunction and alveolar collapse are linked with fibrotic septal wall remodeling in the TGF-beta1-induced mouse model of pulmonary fibrosis. *Lab Invest* 2019;99(6):830-852

Buchacker T, Mühlfeld C, Wrede C, Wagner WL, Beare R, McCormick M, Grothausmann R. Assessment of the Alveolar Capillary Network in the Postnatal Mouse Lung in 3D Using Serial Block-Face Scanning Electron Microscopy. *Front Physiol* 2019;10:1357

Dietzmeyer N, Forthmann M, Leonhard J, Helmecke O, Brandenberger C, Freier T, Haastert-Talini K. Two-Chambered Chitosan Nerve Guides With Increased Bendability Support Recovery of Skilled Forelimb Reaching Similar to Autologous Nerve Grafts in the Rat 10 mm Median Nerve Injury and Repair Model. *Front Cell Neurosci* 2019;13:149

Dzhuraev G, Rodriguez-Castillo JA, Ruiz-Camp J, Salwig I, Szibor M, Vadasz I, Herold S, Braun T, Ahlbrecht K, Atzberger A, Mühlfeld C, Seeger W, Morty RE. Estimation of absolute number of alveolar epithelial type 2 cells in mouse lungs: a comparison between stereology and flow cytometry. *J Microsc* 2019;275(1):36-50

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Grund A, Szaroszyk M, Korf-Klingebiel M, Malek Mohammadi M, Trogisch FA, Schrameck U, Gigina A, Tiedje C, Gaestel M, Kraft T, Hegermann J, Batkai S, Thum T, Perrot A, Remedios CD, Riechert E, Völkers M, Doroudgar S, Jungmann A, Bauer R, Yin X, Mayr M, Wollert KC, Pich A, Xiao H, Katus HA, Bauersachs J, Müller OJ, Heineke J. TIP30 counteracts cardiac hypertrophy and failure by inhibiting translational elongation. *EMBO Mol Med* 2019;11(10):e10018

Hegermann J, Wrede C, Fassbender S, Schliep R, Ochs M, Knudsen L, Mühlfeld C. Volume-CLEM: a method for correlative light and electron microscopy in three dimensions. *Am J Physiol Lung Cell Mol Physiol* 2019;317(6):L778-L784

Hetz M, Lopez-Rodriguez E, Mucci A, Nguyen AHH, Suzuki T, Shima K, Buchegger T, Dettmer S, Rodt T, Bankstahl JP, Malik P, Knudsen L, Schambach A, Hansen G, Trapnell BC, Lachmann N, Moritz T. Effective hematopoietic stem cell-based gene therapy in a murine model of hereditary pulmonary alveolar proteinosis. *Haematologica* 2020;105(4):1147-1157

Hollenbach J, Lopez-Rodriguez E, Mühlfeld C, Schipke J. Voluntary Activity Modulates Sugar-Induced Elastic Fiber Remodeling in the Alveolar Region of the Mouse Lung. *Int J Mol Sci* 2019;20(10):E2438

Kesireddy VS, Chillappagari S, Ahuja S, Knudsen L, Henneke I, Graumann J, Meiners S, Ochs M, Ruppert C, Korfei M, Seeger W, Mahavadi P. Susceptibility of microtubule-associated protein 1 light chain 3beta (MAP1LC3B/LC3B) knockout mice to lung injury and fibrosis. *FASEB J* 2019;33(11):12392-12408

Kloth C, Gruben N, Ochs M, Knudsen L, Lopez-Rodriguez E. Flow cytometric analysis of the leukocyte landscape during bleomycin-induced lung injury and fibrosis in the rat. *Am J Physiol Lung Cell Mol Physiol* 2019;317(1):L109-L126

Kupke A, Becker S, Wewetzer K, Ahlemeyer B, Eickmann M, Herden C. Intranasal Borna Disease Virus (BoDV-1) Infection: Insights into Initial Steps and Potential Contagiosity. *Int J Mol Sci* 2019;20(6):E1318

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Arkenau, Martina (Dr. med.): Phänotypische Veränderungen der Lungen von Surfactant-Protein D defizienten Mäusen mit dem Alter  
MHH-Signatur: D 81513

Jungen, Meike (Dr. med.): Postnatale Expression der Surfactantproteine in Abhängigkeit von CD26DPP4 und postnataler LPS-Exposition  
MHH-Signatur: D 81515

Matthieu, Stefanie (Dr. med.): Bedeutung des LPA1-Rezeptors für die pulmonale Alveolarisation in der Maus  
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Rahn, Alexandros (Dr. med.): Effekt des Polyamins Spermidin auf die mit dem Alterungsprozess einhergehenden morphologischen Veränderungen des linksventrikulären Myokards der Maus  
MHH-Signatur: D 81463

Rajces, Alexandra Diana (Dr. med. dent.): Transmurale linksventrikuläre Unterschiede des Remodelings in einem Tiermodell der Herzinsuffizienz mit erhaltenener Ejektionsfraktion  
MHH-Signatur: D 81499

Steinmeyer, Jasmin Frederike (Dr. med.): Auswirkungen von Ischämie sowie Ex vivo Lungenperfusion mit einem zellulären oder zellfreien Perfusat auf die Histologie und Ultrastruktur der Lunge im Großtiermodell - eine stereologische Untersuchung  
MHH-Signatur: D 81626

Willführ, Alper Stephan (Dr. med.): Etablierung einer stereologischen Methode zur Quantifizierung der Anzahl an Kapillaren in den Interalsepten der Lunge  
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## Niedersachsenprofessur Immunmorphologie – 4160

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Claus P. SMA: Neues aus der Forschung. Jahrestagung der Deutschen Muskelstiftung, 31.05.-02.06.2019, Mainz

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#### Promotionen

Deimel, Judith (Dr. med.): Etablierung eines induzierbaren zellulären Modells der Spinalen Muskelatrophie (SMA)  
MHH-Signatur: D 81528

von Hövel, Friederike Freiin (PhD): Establishment and validation of the AAV2DJ mediated alpha-synuclein rat model of Parkinson's disease Impact of FGF-2 isoforms on the dopaminergic system

Wessels, Inga (Dr. med. dent.): Charakterisierung dysregulierter Signalwege in der spinalen Muskelatrophie *in vitro* und *in vivo* - molekulärbiologische und biochemische Untersuchungen  
MHH-Signatur: D 81484

#### Masterarbeiten

Tapken, Ines Marlene (M.Sc.): Dysregulated Neurotrophic Signalling in Spinal Muscular Atrophy (SMA)

#### Bachelorarbeiten

Postels, Anna Michaela (B.Sc.): Etablierung und Validierung eines *in vitro* Modells für Morbus Parkinson

Weißköppel, Luisa (B.Sc.): Untersuchungen der Fibroblasten Wachstumsfaktor 2 (FGF-2) abhängigen Protektion dopaminerger Neurone *in vitro* und ergänzende entwicklungs determinierende Effekte auf Glucocorticoidrezeptoren *in vivo*

## Zentrum Physiologie

### Institut für Molekular- und Zellphysiologie – 4210

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Weber N, Kowalski K, Holler T, Radocaj A, Fischer M, la Roche Jd, Thiemann S, Schwanke K, Lingk A, Krumm U, Piep B, Martin U, Zweigerdt R, Brenner B, Kraft T. In Human Embryonic Stem Cell-Derived Cardiomyocytes Twitch Kinetics, Action Potential Parameters and MyH-mRNA Fractions Are Independent of the Expressed Myosin Heavy Chain Isoform. *Biophysical Journal* 2019;116(3, Suppl.1):118a

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Kowalski K, Weber N, Holler T, Radocaj A, Fischer M, de la Roche J, Thiemann S, Schwanke K, Piep B, Lingk A, Krumm U, Martin U, Zweigerdt R, Brenner B, Kraft T. Twitch kinetics and action potential parameters are independent of expressed myosin heavy chain isoform in human embryonic stem cell-derived cardiomyocytes (A12-1). *Acta Physiol* 2019;227:146

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## **Promotionen**

Beck, Julia (Dr. med.): Funktionelle Heterogenität zwischen einzelnen Kardiomyozyten mit Mutation R145W im kardialen Troponin I als ein möglicher Pathomechanismus der Hypertrophen Kardiomyopathie  
MHH-Signatur: D 81603

Weber, Anna-Lena (Dr. med.): Familiäre Hypertrophe Kardiomyopathie Quantifizierung und Analyse molekularer Mechanismen der allelischen Imbalance durch Mutationen des MYH7-Gens  
MHH-Signatur: D 81519

## **Institut für Neurophysiologie – 4230**

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Thiemann S, Begemann B, Becher T, Fischer M. In silico current prediction and noise analysis elucidates gating properties of heterodimeric rCIC-K1 chloride channels. Proceedings of the 13th Göttingen Meeting of the German Neuroscience Society, 20.-23.März 2019, Göttingen  
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Kowalski K, Weber N, Holler T, Radocaj A, Fischer M, de la Roche J, Thiemann S, Schwanke K, Piep B, Lingk A, Krumm U, Martin U, Zweigerdt R, Brenner B, Kraft T. Twitch kinetics and action potential parameters are independent of expressed myosin heavy chain isoform in human embryonic stem cell-derived cardiomyocytes (A12-1). *Acta Physiol* 2019;227:146

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## Habilitationen

Fischer, Martin (PD Dr. med.): Physiologie und Pathophysiologie der CIC Chlorid-Kanäle aus Muskel und Niere : Korrelation von Struktur und Funktion durch Untersuchungen von krankheitsverursachenden und artifiziellen Kanal-Mutationen  
MHH-Signatur: D 81611

Guseva, Daria (PD PhD): The role of cell adhesion molecule L1 and its close homolog CHL1 in peripheral nerve regeneration  
MHH-Signatur: D 81612

## Promotionen

Ronstedt, Katharina (Dr. med.): Impaired surface membrane insertion of homo- and heterodimeric human muscle chloride channels carrying amino-terminal myotonia-causing mutations = Beeinträchtigte Einbauwahrscheinlichkeit von muskulären humanen Chloridkanälen mit Myotonie verursachenden Mutationen im Amino-Terminus  
MHH-Signatur: D 81550

## Bachelorarbeiten

AI Aoua, Sherin (B.Sc.): Using a quantitative FRET approach to analyze interactions between cation channels and regulatory proteins

# Zentrum für Biochemie

## Institut für Biophysikalische Chemie – 4350

### Originalpublikationen

Amrute-Nayak M, Nayak A, Steffen W, Tsiavaliaris G, Scholz T, Brenner B. Transformation of the Nonprocessive Fast Skeletal Myosin II into a Processive Motor Small 2019;e1804313

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#### Promotionen

Malcev, Dmitrij: Entwicklung und Synthese allosterischer Hemmstoffe des Apicomplexa Bewegungs- und Invasionsapparates

#### Bachelorarbeiten

Gassl, Vincent (B.Sc.): Etablierung eines Assays zur Aktivitätsbestimmung von Nukleotid-Hydrolasen mittels Microscale Thermophoresse (MST)

Kronemann, Jenny (B.Sc.): Untersuchungen zur biokatalytischen Desymmetrisierung von Glideosom-Inhibitoren

Strienke, Katharina (B.Sc.): Zellbiologische Untersuchungen der Wirkmechanismen von Myosininhibitoren auf cytoskelettassoziierte Prozesse

## Institut für Klinische Biochemie – 4340

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## Promotionen

Cirkseña, Karsten (Dr. rer. nat. M.Sc.): Generation and functional characterisation of C-mannosyltransferase-deficient human induced pluripotent stem cells  
MHH-Signatur: D 81654

Hahn, Claudine (Dr. rer. nat.): Untersuchung der Wirkmechanismen der zellulären Dysfunktion von Sphingosin 1-Phosphat und Homocystein in insulinsezernierenden Zellen  
MHH-Signatur: D 81507

Liedtke, Nika (Dr. med.): Bedeutung der T-Zellen bei der Entwicklung des Diabetes mellitus in der LEW.1 AR1-iddm Ratte anhand einer Diabetesprävention mit einem Kv1.3-Blocker  
MHH-Signatur: D 81300

Niculovic, Kristina Maria (Dr. rer. nat.): Role of sialylation in maintenance of the renal filtration barrier  
MHH-Signatur: D 81492

Prakash, Ohm (PhD Biochemistry): Description of the catalytic mechanism and inhibitors of *Leishmania major* UDP-sugar pyrophosphorylase  
MHH-Signatur: D 81416

Ramos Ribeiro de Lemos Albuquerque Wendt, Andreia Filipa (PhD): Glycosylation of thrombospondin type 1 repeat containing proteins importance of C-mannosylation in Toxoplasma gondii  
MHH-Signatur: D 80914

Tyka, Karolina (Dr. rer. nat.): The role of MCPIP1 in insulin-secreting cells: comparison with SPL and HC mechanisms of action  
MHH-Signatur: D 81481

### **Masterarbeiten**

Reichert, Angelika (M.Sc. Pharmaceutical Biotechnology): Analysis of protein C-mannosylation

## **Institut für Zellbiochemie – 4310**

### **Originalpublikationen**

Andreas N, Weber F, Meininger I, Templin N, Gaestel M, Kamradt T, Drube S. IL-33-activated murine mast cells control the dichotomy between RORgammat(+) and Helios(+) Tregs via the MK2/3-mediated IL-6 production in vitro. Eur J Immunol 2019;49(12):2159-2171

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### Promotionen

Vauth, Marcus (Dr. rer. nat.): Charakterisierung neuer Substrate und einer krankheitsrelevanten Mutation der MAPKAP-Kinasen  
MHH-Signatur: D 81542

## Kliniken/Institute der Sektion II

### Zentrum Innere Medizin

#### Klinik für Dermatologie, Allergologie und Venerologie – 6600

##### Originalpublikationen

Angela Y, Haferkamp S, Weishaupt C, Ugurel S, Becker JC, Oberndörfer F, Alar V, Satzger I, Gutzmer R. Combination of denosumab and immune checkpoint inhibition: experience in 29 patients with metastatic melanoma and bone metastases. *Cancer Immunol Immunother* 2019;68(7):1187-1194

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#### **Letter**

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#### **Case reports**

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#### **Editorials**

Wedi B, Magerl M. Angioödeme richtig erkennen und therapieren Hautarzt 2019;70(2):82-83

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#### **Buchbeiträge, Monografien**

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#### **Abstracts**

Wedi B. Der Placeboeffekt in der Allergologie: die ideale Therapieoption? Allergologie 2019;42(4):155-156

#### **Promotionen**

Farag, Ahmed Karim (PhD Immunology M.Sc.): Integrative approaches to provide deeper characterization towards understanding the molecular aspects of atopic dermatitis  
MHH-Signatur: D 81497

Groen, Sylvia Maria Tosca (Dr. med.): Der funktionelle Einfluss von Serotonin auf basophile Granulozyten  
MHH-Signatur: D 81312

Mhadhbi, Lena-Katharina (Dr. med.): Immunregulatorische Effekte der RNase 7 auf humane Leukozyten und mögliche Einflüsse auf pathogenetische Prozesse von entzündlichen Hauterkrankungen  
MHH-Signatur: D 81322

Rieker, Samira (Dr. med.): Die Rolle des Transkriptionsfaktors GATA-3 für die Barrierefunktion der humanen Haut  
MHH-Signatur: D 81506

Traidl, Stephan (Dr. med.): Patients with atopic dermatitis and history of eczema herpeticum elicit HSV-specific type 2 immune responses  
MHH-Signatur: D 81355

Yang, Xiaoliang (Dr. med.): Autoallergy cross-reactivity of T cell epitopes of fungal antigens in atopic dermatitis  
MHH-Signatur: D 81584

## Klinik für Gastroenterologie, Hepatologie und Endokrinologie – 6810

### Originalpublikationen

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### Habilitationen

Heidrich, Benjamin (PD Dr. med.): Personalisierte Behandlungskonzepte in der Infektiologie am Beispiel viraler Hepatitiden  
MHH-Signatur: D 81469

Kirstein, Martha Maria (PD Dr. med.): Evaluation von Therapiestrategien beim hepatzellulären Karzinom  
MHH-Signatur: D 81470

Kraft, Anke Renate Maria (PD Dr. rer. nat.): Entwicklung neuer Konzepte zur Immuntherapie gegen Virusinfektionen  
MHH-Signatur: D 81454

Taubert, Richard (PD Dr. med.): Untersuchung der Immunregulation in der humanen Leber vor und nach Lebertransplantation  
MHH-Signatur: D 81468

### Promotionen

Aregay, Amare Gebrehiwot (PhD M.Sc.): Impact of sustained hepatitis C virus clearance on HCV-specific CD8+ T cell responses and global cellular immunity during chronic hepatitis C  
MHH-Signatur: D 81433

Ebel, Friederike (Dr. med.): Interferon-free therapy of chronic hepatitis C with direct-acting antivirals does not change the short-term risk for de novo hepatocellular carcinoma in patients with liver cirrhosis  
MHH-Signatur: D 81526

Erlangga, Zulrahman (PhD): Gallbladder organoids, a system to study tumorigenesis and treatment response in gallbladder cancer  
MHH-Signatur: D 81586

Höfer, Anne (Dr. rer. nat.): Intrahepatische Genexpressionsanalyse nach humaner Lebertransplantation  
MHH-Signatur: D 81554

Husnik, Stefanie (Dr. med.): Identifikation von mTORC1 als neuen Wirtsfaktor für die Hepatitis C Virus RNA Replikation  
MHH-Signatur: D 81652

Kini, Archana (Dr. rer. nat. M.Sc. Biotechnology): Genetic ablation of anion exchanger Slc26a3 results in colonic inflammation and microbiome imbalance  
MHH-Signatur: D 81593

Kratzel, Anna-Maria (Dr. med.): Das cholangiozelluläre Karzinom: eine retrospektive Untersuchung der im Zeitraum von 2000 bis 2015 an der MHH behandelten Patienten zur Überlebenszeitanalyse sowie zur Identifikation von Prognosefaktoren mit Schwerpunkt auf der palliativen Chemotherapie  
MHH-Signatur: D 81364

Lutterkort, Gunnar Lewon (Dr. med.): Chronische Hepatitis Delta: die Charakterisierung von Patienten mittels nicht-invasiver Diagnostik  
MHH-Signatur: D 81487

Michael, Alina (Dr. med.): Die Rolle der Autophagie bei akuter und chronischer Hepatitis bis hin zur Tumorgenese im Fah-Mausmodell  
MHH-Signatur: D 81547

Mishra, Amrendra (PhD M.Sc. Biotechnology): Modelling pancreatic cancer-associated genome alterations in vivo using GEMM-ESC technology and CRISPRCas9 system  
MHH-Signatur: D 81592

Rinker, Franziska (Dr. rer. nat.): Immune responses after discontinuation of nucleos(t)ide analogue therapy in patients with HBeAg-negative chronic hepatitis B virus infection  
MHH-Signatur: D 81325

Schirdewahn, Thomas (Dr. rer. nat. M.Sc. Microbiology): The role of NK cells and T cells in the pathogenesis of hepatitis delta  
MHH-Signatur: D 81277

Soon, Chai Fen (PhD M.Sc.): Identification and Characterization of HLA-A2-restricted CD8+ T cells against Hepatitis E Virus (HEV) for development of T cell-based therapy against chronic Hepatitis E  
MHH-Signatur: D 81431

Weber, Tim (Dr. med.): Effekt der adjuvanten Chemotherapie beim intrahepatischen Cholangiokarzinom  
MHH-Signatur: D 81389

Youssef, Ghada (Dr. med.): Inhibitory effect of polyanionic compounds on filoviral cell entry  
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Zapatero Belinchón, Francisco José (PhD M.Sc. Infection Biology): Study of filovirus-resistant SH-SY5Y cells reveals promiscuous usage of diverse cell surface factors during filovirus cell entry  
MHH-Signatur: D 81601

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## Promotionen

Ehlers, Ulrike (Dr. med.): Prävalenz und Inzidenz des Nierenzellkarzinoms bei Patienten mit Nierentransplantation  
MHH-Signatur: D 81483

Hofmeister, Charlotte Maria (Dr. med.): Einfluss des von-Willebrand-Faktors auf die Immunogenität von Faktor VIII bei Hämophilie A  
MHH-Signatur: D 81532

Kreimeyer, Josefine Henriette (Dr. med.): Die prognostische Bedeutung von TP53-Mutationen und dem komplexen Karyotyp bei Patienten mit myelodysplastischem Syndrom oder sekundärer akuter myeloischer Leukämie nach allogener Stammzelltransplantation  
MHH-Signatur: D 81502

Liebich, Alessandro (Dr. med.): Analyse der messbaren Resterkrankung mittels Next-Generation-Sequencing in Patienten mit akuter myeloischer Leukämie und ihr Einfluss auf die Prognose nach allogener hämatopoetischer Stammzelltransplantation  
MHH-Signatur: D 81524

Lück, Catherine (Dr. med.): Improved short- and long-term outcome of allogeneic stem cell recipients admitted to the intensive care unit a longitudinal analysis of 942 patients  
MHH-Signatur: D 81428

Pankratz, Mira (Dr. med.): Die prognostische Bedeutung von Mutationen in den epigenetischen Regulatoren Enhancer of zeste homolog 2, Isocitrate dehydrogenase 1, Isocitrate dehydrogenase 2 und Ten-eleven translocation 2 bei Patienten mit myelodysplastischen Syndromen und mit daraus entstehenden sekundären akuten myeloischen Leukämien nach allogener Stammzelltransplantation  
MHH-Signatur: D 81511

Philipp, Friederike (Dr. rer. nat. M.Sc.): Characterization of hematopoietic stem and progenitor cells generated by teratoma formation with human induced pluripotent stem cells  
MHH-Signatur: D 81394

Shahswar, Rabia (Dr. med.): Einfluss von Calreticulin-Mutationen auf die Prognose von Patienten mit Myelofibrose nach allogener Stammzelltransplantation  
MHH-Signatur: D 81518

Stemmer, Elise Marie Rosalie Désirée (Dr. med.): Von Scherstress abhängige Thrombozyten-Aktivierung im Modell der Flusskammer  
MHH-Signatur: D 81548

Wohlan, Katharina (Dr. rer. nat.): Aberrante Expression von miRNAs und ihre Funktion in myeloiden Zellen  
MHH-Signatur: D 81338

## Institut Experimentelle Hämatologie – 6960

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Brand, Daniel (Dr. rer. nat. M.Sc. Biomedicine): Influence of oncogene expression levels on cell fate decisions  
MHH-Signatur: D 81604

Knopp, Yvonne (Dr. rer. nat.): Development of new, reversible, retrovirus-based mRNA transfer techniques for the generation of innovative cell transplants  
MHH-Signatur: D 81632

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Bogalle, Eskindir Paulos (Dr. med.): Lipocalin (LCN) 2 mediates pro-atherosclerotic processes and is elevated in patients with coronary artery disease  
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Haddad, Saba (Dr. rer. nat.): Iron-regulatory proteins secure iron availability in cardiomyocytes and prevent heart failure  
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Hofmann, Melanie (Dr. rer. nat.): Untersuchung zur Rolle von endothelialen GATA Transkriptionsfaktoren in der physiologischen und pathologischen Angiogenese  
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König, Olga (Dr. med.): Normal endothelial but impaired arterial development in MAP-Kinase activated protein kinase 2 (MK2) deficient mice  
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MHH-Signatur: D 81327

Fuchs, Anna (Dr. med.): Evaluation von Calreticulin-Autoantikörpern zum Nachweis einer möglichen Autoimmunpathogenese bei chronisch obstruktiver Tubenventilationsstörung  
MHH-Signatur: D 81504

Köhler, Maria (Dr. med.): Antikörper gegen Cluster of Differentiation 74 (CD74) als diagnostischer Parameter der ankylosierenden Spondylitis  
MHH-Signatur: D 81538

Langer Jacobus, Thais (Dr. rer. nat. M.Sc. Molecular Biology): Alloantibody formation against NK cell antigens in patients following solid organ transplantation  
MHH-Signatur: D 81598

Schröder, Claudia (Dr. rer. nat. M.Sc. Biomedicine): New gene defects in combined and common variable immunodeficiency  
MHH-Signatur: D 81494

Zurrin, Daniela Elisabeth (Dr. med.): Die Rolle von CD74 Autoantikörpern bei der Spondyloarthritis  
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## Klinik für Nieren- und Hochdruckerkrankungen – 6840

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## Letter

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## **Habilitationen**

Müller-Deile, Janina (PD Dr. med.): Die Rolle podozytärer Proteine und microRNAs für die Integrität der glomerulären Filtrationsbarriere  
MHH-Signatur: D 81464

## **Promotionen**

Abeling, Tanja (Dr. med.): Risk factors for death in kidney transplant patients: analysis from a large protocol biopsy registry  
MHH-Signatur: D 81489

Bolaños-Palmieri, Patricia (PhD Molecular Medicine M.Sc. Biology): Kynurenic pathway dysregulation alters podocyte morphology and bioenergetic status contributing to glomerular dysfunction  
MHH-Signatur: D 81456

Greite, Robert (Dr. med.): Einfluss von Bluthochdruck auf das akute und chronische Nierenversagen im Mausmodell  
MHH-Signatur: D 81343

Helmke, Alexandra (Dr. rer. nat. Immunology M.Sc. Nutrition & Health): Mechanisms of interaction of mononuclear phagocytes with endothelium and mesothelium in chronic inflammation and fibrosis  
MHH-Signatur: D 81272

Pabst, Selma (D 81353): Die Fremdeinschätzung der Adhärenz von nierentransplantierten Patientinnen und Patienten zu Immunsuppressiva durch Ärztinnen und Ärzte Häufigkeit, Korrelate und Äcbereinstimmung mit anderen Adhärenz-Maßen  
MHH-Signatur: D 81353

Schulze, Daniela (Dr. med.): Einfluss des Magnesiums im Dialysat Umstellung von niedrig- zu hochkonzentriertem Dialysat Magnesium  
MHH-Signatur: D 81522

Schumann-Bischoff, Andrea (Dr. med.): Differenzierte histologische Schädigungscharakteristika des akuten Tubulusschadens in Nierentransplantaten: Relation zu klinischen Faktoren und Transplantatfunktion  
MHH-Signatur: D 81882

Sen, Payel (PhD Nephrology): Role of plasminogen activator inhibitor-2 (PAI-2) in acute and chronic kidney disease  
MHH-Signatur: D 81271

## **Klinik für Pneumologie – 6870**

### **Originalpublikationen**

Ackermann M, Stark H, Neubert L, Schubert S, Borchert P, Linz F, Wagner WL, Stiller W, Wielpütz M, Hoefer A, Haverich A, Mentzer SJ, Shah HR, Welte T, Kuehnel M, Jonigk D. Morphomolecular motifs of pulmonary neoangiogenesis in interstitial lung diseases Eur Respir J 2020;55(3):pii: 1900933

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Beghetti M, Channick RN, Chin KM, Di Scala L, Gaine S, Ghofrani HA, Hoeper MM, Lang IM, McLaughlin VV, Preiss R, Rubin LJ, Simonneau G, Sitbon O, Tapson VF, Galie N. Selexipag treatment for pulmonary arterial hypertension associated with congenital heart disease after defect correction: insights from the randomised controlled GRIPHON study. Eur J Heart Fail 2019;21(3):352-359

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#### **Habilitationen**

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MHH-Signatur: D 81564

Ringshausen, Felix Christian (PD Dr. med.): Lungenerkrankung durch nichttuberkulöse Mykobakterien (NTM-Lungenerkrankung)  
MHH-Signatur: D 81565

Suhling, Hendrik (PD Dr. med.): Diagnostik des chronischen Transplantatversagens nach Lungentransplantation  
MHH-Signatur: D 81567

#### **Promotionen**

Bormann, Tina (Dr. rer. nat.): Die Rolle der COX2 PGE2 Achse in der infektionsinduzierten Exazerbation der Lungenfibrose in der Maus  
MHH-Signatur: D 81551

Conrad, Anton (Dr. med.): Impact of alpha1-antitrypsin deficiency and prior augmentation therapy on patients' survival after lung transplantation  
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Eickhoff, Linn (Dr. med.): Endobronchial ultrasound in suspected non-malignant mediastinal lymphadenopathy  
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Kamp, Jan-Christopher (Dr. med.): Sicherheit und Effektivität der pulmonalen Ballonangioplastie bei Patienten mit chronisch thromboembolischer pulmonaler Hypertonie  
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Moyé, Steffi (Dr. rer. nat.): Bedeutung regulatorischer T-Zellen in der infektionsinduzierten Exazerbation der pulmonalen Fibrose der Maus  
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# Zentrum Kinderheilkunde und Jugendmedizin

## Klinik für Pädiatrische Hämatologie und Onkologie – 6780

### Originalpublikationen

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MHH-Signatur: D 81621

Gialesaki, Sofia (Dr. rer. nat. Hematology & Oncology M.Sc. Molecular Basis of Human Disease): Deciphering the deregulated complex transcription network in Down syndrome myeloid leukemia  
MHH-Signatur: D 81425

Labuhn, Maurice (Dr. rer. nat. M.Sc. Biomedicine): Functional analysis of the leukemic evolution in children with Down syndrome utilizing CRISPR-Cas9 genome editing  
MHH-Signatur: D 81297

Maluski, Marcel (PhD Immunology M.Sc. Biochemistry): Expression of a chimeric antigen receptor in lymphoid progenitors suppresses T cell but favors NK cell-like development  
MHH-Signatur: D 81424

## Klinik für Pädiatrische Kardiologie und Päd. Intensivmedizin – 6730

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#### Promotionen

Grimm, Lena (Dr. med.): Quality of life and biomarkers in pulmonary arterial hypertension  
MHH-Signatur: D 81336

Richter, Christina (Dr. med.): Häufigkeit und Relevanz des Systemischen inflammatorischen Response-Syndroms (SIRS) auf der pädiatrischen Intensivstation  
MHH-Signatur: D 81520

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#### **Abstracts**

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#### **Promotionen**

Brockmann, Matthias (Dr. med.): Einfluss von Tacrolimus auf Enzyme der mitochondrialen Atmungskette in humanen umbilikalen Endothelzellen  
MHH-Signatur: D 81670

Große Siemer, Robert Gregor (Dr. med.): *Fibroblast Growth Factor-23* und linksventrikuläre Hypertrophie bei Kindern mit chronischer Niereninsuffizienz  
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Hartmann, Michaela (Dr. med.): Aufmerksamkeit und kognitive Flexibilität nach Nierentransplantation im Kindes- und Jugendalter  
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Hmeidi, Kristin (Dr. med.): Vergleich des Körperwachstums nach Nierentransplantation bei Jungen und Mädchen  
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Kirchhoff, Felix (Dr. med.): Der Einfluss des Fibroblasten-Wachstumsfaktors 23 auf die Entwicklung kardialer Fibrose  
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Marten, Lisa Pilar (Dr. med.): Einfluss der Fibrocystin-Defizienz auf das Adhäsionsverhalten von Nierenepithelzellen im Einzellstadium  
MHH-Signatur: D 81495

Mayer, Ulrike Friederike (Dr. med.): Glomerulonephritis mit Halbmondbildung in der Pädiatrie  
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Moermann, Maria (Dr. med.): Der Fibroblastenwachstumsfaktor 23 im Modell der druckinduzierten Herzhypertrophie  
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Sandvoß, Mareike (Dr. med.): HELLP Syndrom : veränderte Konzentrationen des Fettsäureoxidation-Regulators Sirtuin 4 bei Hypoxie  
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Schröder, Julian Robert (Dr. med.): Untersuchung der Marker der zirrhotischen Kardiomyopathie bei Kindern vor und nach Lebertransplantation  
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Yoshizawa, Emi (Dr. med.): Die Hyp-Maus als ein Tiermodell für die X-chromosomal-dominante hypophosphatämische Rachitis (XLHR): Effekte von Calcitriol auf die FGF-23-Klotho-PTH-Vitamin D-Achse  
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## Klinik für Pädiatrische Pneumologie, Allergologie und Neonatologie – 6710

### Originalpublikationen

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## **Habilitationen**

Schwerk, Nicolaus (PD Dr. med.): Neue Erkenntnisse zu diffusen Lungenerkrankungen im Kindes- und Jugendalter  
MHH-Signatur: D 81590

## **Promotionen**

Dalüge, Kathleen (Dr. rer nat.): Role of Resiquimod in alleviation of allergic asthma  
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Greipel, Leonie (Dr. med.): Molekulare Epidemiologie von Mutationen in antimikrobiellen Resistenzloci von *Pseudomonas aeruginosa* Isolaten aus der Mukoviszidose-Lunge  
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Joean, Oana (Dr. med.): Evaluation of pharmacological compounds for the suppression of Th17-polarised airway inflammation  
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Pienkowska, Katarzyna (PhD Bioinformatics M.Sc. Biotechnology): Airway microbial metagenomics  
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Pieper, Katharina Charlotte (Dr. med.): Transform CF : Evaluation einer mobilen App für Jugendliche und junge Erwachsene mit Cystischer Fibrose (CF)  
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## **Zentrum Chirurgie**

### **Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie – 6210**

#### **Originalpublikationen**

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## Poster

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#### **Habilitationen**

Sommer, Wiebke (PD Dr. med.): Erweiterte Spenderkriterien in der klinischen Lungentransplantation  
MHH-Signatur: D 81887

#### **Promotionen**

Bolesani, Emiliano (PhD M.Sc.): Controlling cardiovascular progenitor cells (CPCs) culture from human pluripotent stem cells by chemical compounds  
MHH-Signatur: D 81397

Coffee, Michelle (PhD Tissue Engineering M.Sc.): Higher throughput production of 3D cardiac microtissues for characterisation and in vitro application  
MHH-Signatur: D 81871

Goecke, Tobias (PhD MD): Immunological analysis of xenoantigen-reduced matrices suited for tissue engineering in animal models  
MHH-Signatur: D 81653

Halloon, Caroline (PhD Bioprocess Engineering Dipl. Bioeng.): Large scale human pluripotent stem cell differentiation into human cardiomyocytes in bioreactors  
MHH-Signatur: D 81872

Koppen, Tim (Dr. med.): TIMP3 is regulated by pericytes upon shear stress detection leading to a modified endothelial cell response  
MHH-Signatur: D 81455

Malysheva, Svitlana (Dr. rer. nat. M.Sc.): Utilisation of human induced pluripotent stem cells for investigation of potential immunoinhibitory properties of trophoblasts  
MHH-Signatur: D 81655

Richter, Jannik Gerald (Dr. med.): Extrakorporale Membranoxygenierung (ECMO) beim Postkardiotomiesyndrom eine retrospektive Untersuchung zu Ergebnissen, Komplikationen und Entwöhnung  
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Ríos Camacho, Julio César (PhD M.Sc.): Development of biocompatible matrices for stem cell-derived bioartificial cardiac tissue for reconstructive therapy  
MHH-Signatur: D 81657

Saint-Marc, Clémence (PhD M.Sc.): Exposure to xenoantigen-deprived decellularized matrices: an *in vitro* analysis of cellular responses  
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Samper Martínez, Esther (PhD M.Sc.): Development of a human vascularised tissue engineered myocardial patch  
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MHH-Signatur: D 81606

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MHH-Signatur: D 81449

## Promotionen

Fleck, Joerg (Dr. med.): Der Einfluss von standardisierter Kälte- und Kompressionstherapie auf Schwellung, Schmerhaftigkeit und das funktionelle Ergebnis nach Spaltung des Retinaculum flexorum beim Karpaltunnelsyndrom  
MHH-Signatur: D 81575

Krug, Yvonne Denise (Dr. med.): Quality of life and functional outcome following microsurgical fasciocutaneous vs. myocutaneous tissue transfer

MHH-Signatur: D 81752

Loewié, Henning (Dr. med. dent.): Einfluss der präoperativen Katecholamintherapie auf das Outcome der chirurgischen Verbrennungsbehandlung eine Singlecenter-Analyse  
MHH-Signatur: D 81287

Peric, Hanes (Dr. med. dent.): Effect of cryopreservation on lymph node fragment regeneration after autologous transplantation in the minipig model  
MHH-Signatur: D 81534

Seifert, Stefan (Dr. med.): Behandlungsergebnisse bei Schwerbrandverletzten ein Vergleich der Jahre 2005 und 2008  
MHH-Signatur: D 81444

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### **Poster**

Nebel D, Guo R, Ferle M, Hurschler C. Simulation der Skapulabewegung am robotergestützten Schultersimulator durch Berechnung der Gravitationskraft. 11.Kongress der Deutschen Gesellschaft für Biomechanik (DGfB) vom 03.-05. April 2019 Berlin

### **Promotionen**

Haarmeyer, Thorben Friedhelm Josef (Dr. med.): Einfluss der Koxarthrose auf die Funktion von Knie- und Sprunggelenk während des Gangzyklus - eine prospektive Ganganalyse  
MHH-Signatur: D 81285

Köster, Konstantin (Dr. med.): Ergebnisse nach arthroskopischer posteriorer Schulterstabilisierung mit Knochenblock und Kapselrekonstruktion  
MHH-Signatur: D 81443

Lüdtke, Philipp (Dr. med.): Die geometrische Achse des oberen Sprunggelenks - Empfehlung für einen neuen Weg zur Bestimmung der Gelenkkachse des oberen Sprunggelenks  
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Maibaum, Matthias (Dr. med.): Untersuchung zum Korrosionsverhalten von MgCa 0,8 Osteosyntheseschrauben  
MHH-Signatur: D 81418

Mokov, Igor (Dr. med.): Untersuchung der Korrelation des Patrick-Zeichens mit dem Schmerzempfinden in der Lenden-Becken-Hüft-Region unter konservativer Therapie : eine monozentrische, einarmige, explorative, prospektive Studie  
MHH-Signatur: D 81258

Zishiri, Johanna Tendai (Dr. med.): Postoperative Zufriedenheit bei Patienten mit elektiven Operationen an der Wirbelsäule in Abhängigkeit von Persönlichkeitsstruktur und psychischen Faktoren  
MHH-Signatur: D 81493

## **Masterarbeiten**

Gustav, Marco (M.Sc.): Untersuchung des galvanischen in-vitro-Degradationsverhaltens von Magnesium als Werkstoff für orthopädische Implantate

Hanne, Niklas (M.Sc.): Entwicklung und Inbetriebnahme eines Messsystems zur Ermittlung der mechanischen Eigenschaften von Sehnen nach dem Verfahren der digitalen Bildkorrelation

Kitsch, Eileen Josephine (M.Sc.): Posturale Synergien während des bimanuellen Bewegungsstrainings bei Schlaganfallpatienten

Sasah, Ahmad (M.Sc.): EEG-Based Characterization of Different Upper Limb Movements for the Control of Prosthetic Hands

Vollmer, Carina (M.Sc.): Das vordere Kreuzband des Kniegelenks: hat die Ruptur einen Einfluss auf die muskuläre Reaktionsfähigkeit? Eine experimentelle Studie

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### **Originalpublikationen**

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## Comments

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## Abstracts

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## Habilitationen

Neunaber, Claudia (PD Dr. rer. nat.): Der Einfluss einer Trauma-Hämorrhagie auf Knochenregenerationsprozesse und andere Organsysteme, sowie Findung neuer Biomarker und Interventionsmöglichkeiten  
MHH-Signatur: D 81589

## Promotionen

Deniz, Ezin (Dr. med.): Evaluation der physischen und psychischen Langzeitergebnisse nach isoliertem Schädel-Hirn-Trauma bei Kindern und Erwachsenen  
MHH-Signatur: D 81490

Gong, Ziling (Dr. med.): Comparative analysis of human mesenchymal stem cells from bone marrow and adipose tissue  
MHH-Signatur: D 81596

Moulhem Arous, Mohammad (Dr. med.): Therapieeffekte der CT-gesteuerten Laser-Thermodenervation funktioneller und degenerativer Läsionen der Wirbelkörperfacetten (LWS, HWS, BWS, ISG)  
MHH-Signatur: D 81512

Reinhold, Aja (Dr. med.): Vermeidung von Nervenschäden während des arthroskopischen Korakoidtransfers nach Latarjet - eine anatomische Studie  
MHH-Signatur: D 81503

von Horn,Alexander Egbert Axel Ewald (Dr. med. dent.): Optimierung der Lagerbedingung und Lagerlösung osteochondraler Allografts  
MHH-Signatur: D 81478

## Klinik für Urologie und Urologische Onkologie – 6240

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MHH-Signatur: D 81571

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MHH-Signatur: D 81628

## Promotionen

Gerken, Konstantin (Dr. med.): Entwicklung und multizentrische Validierung eines prognostischen Modells zur Vorhersage der Resektabilität von Pankreaskopfmalignomen  
MHH-Signatur: D 81447

Hett, Julian (Dr. med.): Prospektive Vergleichsstudie zu Nebenschilddrüsencharakteristika bei Nierentransplantierten und Dialyse-Patienten mit operationspflichtigem Hyperparathyreoidismus  
MHH-Signatur: D 81334

Klein, Michael Peter (Dr. med.): Relevante prognostische Einflussfaktoren auf das Überleben von Patienten nach chirurgischer Resektion eines distalen Gallengangkarzinoms  
MHH-Signatur: D 81419

Kleine-Döpke, Dennis (Dr. med.): Beeinflussbare Risikofaktoren der Entstehung eines Nierenzellkarzinoms nach Nierentransplantation  
MHH-Signatur: D 81471

Littbarski, Simon Alexander (Dr. med.): Effekt der Parathyreoidektomie vor versus nach Nierentransplantation bei Patienten mit sekundärem Hyperparathyreoidismus  
MHH-Signatur: D 81317

Mündner, Petra (Dr. med. dent.): Präoperative Prädiktoren für das Überleben nach Pankreaskopfresektion ohne Transfusion von Blutprodukten  
MHH-Signatur: D 81429

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### Letter

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### Comments

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### Abstracts

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Kalyvas C, Pateras K, Spineli LM. Caution required in the analysis of poorly connected networks of interventions. 40th Annual Conference of the International Society for Clinical Biostatistics, 14.-18.Juli 2019, Leuven (Belgien)  
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#### **Promotionen**

Corssen, Madeleine (Dr. med.): Neue genetische Dispositionen für das Endometriumkarzinom  
MHH-Signatur: D 81544

Günther, Julia (Dr. med.): Molekulargenetische Untersuchungen von Kandidatengenen für Gebärmutterhalskrebs  
MHH-Signatur: D 81570

Meissner, Catharina (Dr. med.): Awareness, knowledge, and perceptions of infertility, fertility assessment, and assisted reproductive technologies in the era of oocyte freezing among female and male university students  
MHH-Signatur: D 81345

Melzer, Catharina Simone (Dr. rer. nat.): Mechanisms of cellular interaction and role of mesenchymal stromastem cells during tumorigenesis  
MHH-Signatur: D 81376

Öhrlich, Nadja Ella (Dr. med.): Klinischer Verlauf des zerebral metastasierten Mammakarzinoms in Abhängigkeit der Tumoriologie  
MHH-Signatur: D 81276

Polkowski, Moritz (Dr. med.): Neonatales und maternales Kurzzeitoutcome nach vaginal-operativer Entbindung im Vergleich zu dem nach einem sekundären Kaiserschnitt: eine retrospektive 11-jahres Analyse  
MHH-Signatur: D 81474

Radmanesh, Hoda (Dr. rer. nat.): Identification of novel breast cancer susceptibility genes and first steps towards mutation-specific cell culture models  
MHH-Signatur: D 81540

Sautner, Jürgen (Dr. med.): Einfluss des Operationsverfahrens (laparoskopisch vs. offen) auf den postoperativen Outcome bei Patientinnen mit tief infiltrierender Endometriose  
MHH-Signatur: D 81347

Schmidt, Anita (Dr. med.): Genetische Disposition für das Endometriumkarzinom eine Fall-Kontroll-Studie  
MHH-Signatur: D 81514

#### **Masterarbeiten**

Bronzo, Valentina (M.Sc.): Comparing shared-caseload and standard midwifery care during childbirth: a retrospective cohort study

Gasser, Tabea (M.Sc.): Analyzing factors associated with the urgency of referral from primary healthcare facilities in Bangladesh: A cross-sectional observational study

Hill, Janice (M.Sc.): Community birth and transfer for primiparous women: a retrospective cohort study

Issa, Britta Charbel (M.Sc.): Ansichten und Kenntnisse von Eltern frühgeborener Kinder hinsichtlich Frauenmilchspenden

Müller, Antonia Nathalie (M.Sc.): The scope of antenatal care by Swiss midwives - A prospective cross-sectional study

Sidler, Jasmine (M.Sc.): Das Assessment der sozialen Faktoren in der Schwangerenvorsorge in der Deutschschweiz - eine Querschnittstudie

Vincent, Celeste (M.Sc.): Antenatal care-midwifery led and spontaneous visits in emergency services during pregnancy

Vital Durand, Clemence (M.Sc.): Exploration of midwives' characteristics and reported practices and their association with risk perception during normal labour: a replicated survey in French-speaking midwives of Belgium

Waller, Diane (M.Sc.): Comparison of spontaneous vaginal birth and intervention rates between two models of maternity care in a Swiss hospital

Zsindely, Piroska (M.Sc.): Childbirth Experiences of Swiss Primigravid Women

## Kliniken/Institute der Sektion III

### Zentrum Radiologie

#### Institut für Diagnostische und Interventionelle Neuroradiologie – 8210

##### Originalpublikationen

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### **Letter**

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### **Case reports**

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### **Habilitationen**

Bültmann, Eva (PD Dr. med.): Physiologische postnatale Hirnreifung Analyse mittels MR-tomographischer Biomarker  
MHH-Signatur: D 81631

### **Promotionen**

Freytag, Sascha (Dr. med.): Darstellung einer evidenzbasierten Karte der Headschen Zonen  
MHH-Signatur: D 81527

Pätz, Patricia (Dr. med.): Analyse und Vermessung des Felsenbeines von Geburt bis zum Erwachsenenalter und Vergleich mit pathologischen Entitäten  
MHH-Signatur: D 81367

## Institut für Diagnostische und Interventionelle Radiologie – 8220

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## **Promotionen**

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## Promotionen

Dahike, Sören (Dr. med.): Einfluss des Zeitfaktors auf den weiteren Krankheitsverlauf bei definitiver Radio-Chemo-Therapie von Kopf-Hals-

Tumoren  
MHH-Signatur: D 81555

Dreyer, Julia Nadillina (Dr. med. dent.): Kurative stereotaktische Bestrahlung beim NSCLC - klinische Parameter für Outcome und Nebenwirkungen  
MHH-Signatur: D 81446

Plohmann-Meyer, Mareike Anne (Dr. med.): Entwicklung zweier prognostischer Modelle zur Vorhersage des 10-Jahres Überlebens nach Resektion kolorektaler Lebermetastasen  
MHH-Signatur: D 81668

Spethmann, Tessa Lieselotte Wilma (Dr. med.): Genetische Dispositionen für Brustkrebs in Weißrussland unter besonderer Berücksichtigung der Strahlenbelastung  
MHH-Signatur: D 81668

Zemlin, Andrea (Dr. med.): Mono-institutionelle Untersuchung des Zeitpunktes der Re-Bestrahlung bei rezidiviertem Glioblastom = Timing of re-irradiation in recurrent high-grade gliomas : a single institution study  
MHH-Signatur: D 81624

## Klinik für Nuklearmedizin – 8250

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## **Habilitationen**

Petrich, Thorsten (PD Dr. med.): Experimenteller und präklinischer Einsatz von Astat (At-211) bei Tumoren mit Expression des Natriumlod-Symporters (NIS) und bei der Radioimmuntherapie von Leukämien - überarbeitete Fassung  
MHH-Signatur: D 81316

## **Promotionen**

Hupe, Henri Christopher (Dr. med.): Imaging inflammation in the heart-brain axis following myocardial infarction in mice  
MHH-Signatur: D 81560

Kessler, Mariella (Dr. rer. nat. M.Sc.Biology): Improved understanding of the pathophysiology and therapy of hearing impairment based on functional and molecular diagnostics using emission tomography  
MHH-Signatur: D 81475

Müller, Eike (Dr. med. dent.): Vergleich der konventionellen Schilddrüsenszintigraphie mit den Möglichkeiten der Schilddrüsendarstellung mittels eines neuen tomographischen Halbleiterkamerasystems  
MHH-Signatur: D 81280

Reffert, Laura (Dr. rer. nat.): Neue Radioliganden zur Visualisierung des Folatrezeptors  
MHH-Signatur: D 81344

# **Zentrum Neurologische Medizin**

## **Klinik für Neurochirurgie – 7240**

### **Originalpublikationen**

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## Habilitationen

Alam, Mesbah (PD Dr. rer. nat.): Electrophysiological characterization of basal ganglia activity in rat models of Parkinson disease neuroresorative and neuroprotective strategies  
MHH-Signatur: D 81407

## Promotionen

Apedjinou, Anani (Dr. med.): Der Effekt eines Bundle approaches auf die Häufigkeit von Infektionen bei externen Ventrikeldrainagen  
MHH-Signatur: D 81378

Yesilöz, Ümmügülsüm (Dr. med.): Frequent AKT1E17K mutations in skull base meningiomas are associated with mTOR and ERK12 activation and reduced time to tumor recurrence  
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## Promotionen

Bernhardt, Martina (Dr. med.): Central nervous system complications after liver transplantation common but mostly transient phenomena  
MHH-Signatur: D 81546

Gai, Lijie (Dr. med.): Synaptophysin presents a reliable marker to detect axonal damage in animal models of multiple sclerosis  
MHH-Signatur: D 81457

Hillebrand, Lilly Katrin (Dr. med.): Liquorcharakteristika erwachsener Patienten mit Enterovirus-Infektionen des Nervensystems  
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Joop, Max Benedikt (Dr. med.): Ereigniskorrelierte Potentiale bei PatientInnen mit amyotropher Lateralsklerose eine Untersuchung der Fehlernegativität (NeERN)  
MHH-Signatur: D 81523

Lange, Johann Christian (Dr. med.): Neuronale Korrelate des kognitiven Aufgabenwechselparadigmas bei der Amyotrophen Lateralsklerose  
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Morgenthal, Claudia (Dr. med.): Morphological analysis of hippocampal neurons and glial cells of WT and p75NTR KO mice under acute systemic inflammatory conditions  
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Pars, Kaweh (Dr. med.): Die Untersuchung des Liquors bei Patienten mit neurologischer Beteiligung des Sjögren-Syndroms  
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Tharmarasa, Salini (Dr. med.): Charakterisierung von TRP-Kanälen in humanen neuralen Stammzellen und in induzierten pluripotenten Stammzelle  
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## Zentrum für Seelische Gesundheit

### Klinik für Psychiatrie, Sozialpsychiatrie und Psychotherapie – 7110

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Glahn, Alexander (PD Dr. med.): Neurobiologische Mechanismen während des Entzuges bei Abhängigkeitserkrankungen die Rolle ausgewählter volumenregulierender Peptide  
MHH-Signatur: D 81642

## **Promotionen**

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MHH-Signatur: D 81609

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MHH-Signatur: D 81617

Gockeln, Laura (Dr. med.): Pathologisches Kaufen: kontrollierte Studie zur Häufigkeit von lebensgeschichtlich frühen Traumatisierungen  
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Neumann, Maria (Dr. rer. biol. hum.): Relevanz des Essverhaltens im deutschen Gewichtskontrollregister und des hedonischen Hungers in der deutschen Allgemeinbevölkerung: Lassen sich hiermit Adipositas hemmende/-fördernde Muster erkennen?  
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Osterhues, Alexandra (Dr. med.): Gesundheitsbezogene Lebensqualität und psychische Erkrankungen bei Adipositaschirurgie - Patienten vor und nach Adipositaschirurgie im Vergleich zu behandlungsbedürftigen Patienten mit psychischen Erkrankungen  
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Pabst, Selma (D 81353): Die Fremdeinschätzung der Adhärenz von nierentransplantierten Patientinnen und Patienten zu Immunsuppressiva durch Ärztinnen und Ärzte Häufigkeit, Korrelate und Äcebereinstimmung mit anderen Adhärenz-Maßen  
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# Zentrum Augenheilkunde, Hals-Nasen-Ohren-Heilkunde, Phoniatrie und Pädaudiologie

## Klinik für Augenheilkunde – 6120

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### **Habilitationen**

Paasche, Gerrit (PD Dr. rer. nat.): Wege zur Optimierung der Elektroden-Nerven-Grenzfläche am Beispiel des Cochlea-Implantats  
MHH-Signatur: D 81315

Schepers, Verena (PD Dr. med. vet.): Pharmakologische Optimierungsansätze zur Cochlea-Implantationstherapie  
MHH-Signatur: D 81591

### **Promotionen**

Fuchs, Anna (Dr. med.): Evaluation von Calreticulin-Autoantikörpern zum Nachweis einer möglichen Autoimmunpathogenese bei chronisch obstruktiver Tubenventilationsstörung  
MHH-Signatur: D 81504

Lexow, Georg Jakob (Dr. rer. biol. hum.): Entwicklung neuer Methoden zur Vermessung und Modellierung des Innenohrs im Kontext von Cochlea-Implantaten  
MHH-Signatur: D 81689

Luttermann, Janek (Dr. med.): Einflussfaktoren auf postoperative Cochlea-Implantatinfektionen : eine retrospektive Analyse von 1615 Patienten der HNO-Klinik der Medizinischen Hochschule Hannover  
MHH-Signatur: D 81719

Quass, Gunnar Lennart (PhD): Electrical stimulation of the mouse auditory midbrain  
MHH-Signatur: D 81574

Sandner, Carolina (Dr. med.): Untersuchung zum Sprachverstehen von Kindern und Jugendlichen nach sequentiell bilateraler Cochlea-Implantation  
MHH-Signatur: D 81400

Timm, Max Eike (Dr. med.): Patientenspezifische Auswahl von Cochlea-Implantat Elektroden basierend auf anatomischen Indikationsbereichen = Patient specific selection of lateral wall cochlear implant electrodes based on anatomical indication ranges  
MHH-Signatur: D 81597

Yue, Qing (Dr. med.): Heat shock protein proteomic research on microarrays  
MHH-Signatur: D 81536

## Abteilung Experimentelle Otologie – 8891

### Originalpublikationen

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MHH-Signatur: D 81374

Voigt, Mathias Benjamin (Dr. rer. nat. M.Sc.): Layer-specific intracortical microstimulation of primary auditory cortex in vivo  
MHH-Signatur: D 81411

## Klinik für Phoniatrie und Pädaudiologie – 6510

### Originalpublikationen

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## **Zentrum Zahn-, Mund- und Kieferheilkunde**

### **Klinik für Kieferorthopädie – 7730**

#### **Originalpublikationen**

Lie N, Merten HA, Yamauchi K, Wiltfang J, Kessler P. Pre-implantological bone formation in the floor of the maxillary sinus in a self-supporting space. *J Craniomaxillofac Surg* 2019;47(3):454-460

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#### **Promotionen**

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MHH-Signatur: D 81354

Meyer-Kobbe, Viktoria (Dr. med. dent.): Vergleich der intraoralen Biofilmreduktion auf silberbeschichtetem und Silberionen-implantiertem Bracketmaterial aus Edelstahl  
MHH-Signatur: D 81432

#### **Masterarbeiten**

Al-Qatami, Fawzi M. (M.Sc. Lingual Orthodontics Dr.): Quality assessment of a completely customized lingual appliance in consecutively treated patients  
MHH-Signatur: D 81580

Alimy- Allrath, Tahmina (M.Sc. Lingual Orthodontics Dr. med. dent.): Stabilität von Klasse II-Korrekturen mittels einer Herbst-Apparatur in Kombination mit einer vollständig individuellen lingualen Apparatur  
MHH-Signatur: D 81582

Kaur Nirmal Singh, Jasprit (M.Sc. Lingual Orthodontics Dr.): The correction of posterior buccal cross-bite with a completely customized lingual appliance  
MHH-Signatur: D 81581

Kutschera, Eric (M.Sc. Lingual Orthodontics Dr. med. dent.): Der aktuelle therapeutische Wert vollständig individueller lingualer Apparaturen in der modernen Kieferorthopädie eine narrative Übersichtsarbeit  
MHH-Signatur: D 81579

Sohani, Ali (M.Sc. Lingual Orthodontics Dr. med. dent.): Vertikale Effekte einer vollständig individuellen lingualen Apparatur bei der Nivellierung der sagittalen Kompensationskurve im Unterkiefer  
MHH-Signatur: D 81578

von Massow, Christina (M.Sc. Lingual Orthodontics Dr. med. dent.): Distalization in the maxillary dental arch by a completely customized lingual appliance in combination with skeletal anchorage  
MHH-Signatur: D 81577

## Klinik für Mund-, Kiefer- und Gesichtschirurgie – 7720

### Originalpublikationen

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### Habilitationen

Spalthoff, Simon (PD Dr. med. dent.): Biologisch aktiver Knochenersatz durch Prävaskularisierung von beta-Trikalziumphosphat im Tiermodell als Bioreaktor  
MHH-Signatur: D 81566

Zimmerer, Rüdiger (PD Dr. Dr.): Tumorstammzellen und Tumorangiogenese in Malignomen der Kopf-Hals-Region  
MHH-Signatur: D 81630

#### Promotionen

Achilles, Nadine (Dr. med. dent.): Systematische Untersuchung von spezifischen Originalschraubendrehern und alternativen Universal-schraubendrehern sowie deren Auswirkung auf die Präzisionspassung in der Anwendung der dentalen Implantologie - eine vergleichende Studie  
MHH-Signatur: D 81437

Braun, Anna (Dr. med. dent.): Postoperative Beurteilung von Schulterfunktion und Lebensqualität bei Patienten mit Kopf-Hals-Tumoren mittels klinischer Untersuchung, DASH- und EORTC-Fragebogen  
MHH-Signatur: D 81440

Joop, Anna Muriel (Dr. med. dent.): Eine in vivo Untersuchung der Periostperfusion nach subperiostaler Periostpräparation und Einlage verschiedener Kollagenmembranen  
MHH-Signatur: D 81682

Niezen, Elizabeth Trijntje (Dr. med. dent.): Fractures of the mandibular condyle a comparison of patients, fractures and treatment characteristics between Groningen (The Netherlands) and Dresden (Germany)  
MHH-Signatur: D 81517

Pillette, Marjatta (Dr. med. dent.): Materielle und infrastrukturelle Einbindung von Zahn-, Mund- und Kieferzentren in Notfallkonzepte von Universitätskliniken : eine systematische Analyse  
MHH-Signatur: D 81539

Rüter, Maria Elisabeth Josefa (Dr. med. dent.): Mittelgesichts- und Unterkieferfrakturen durch den Umgang mit Pferden: eine retrospektive Analyse  
MHH-Signatur: D 81705

Scherer, Uta (Dr. med. dent.): Untersuchungen zu schablonengeführten Implantatbohrungen in der Handhabung unterschiedlich erfahrener Operateure  
MHH-Signatur: D 81633

Tehranchian, Shahram (Dr. med. dent.): Die Crista zygomatico-alveolaris als Spenderareal für die biologisch adäquate Rekonstruktion des Alveolarfortsatzes : eine retrospektive Untersuchung  
MHH-Signatur: D 81365

Wingartz, Franziska Helga Maria (Dr. med. dent.): Qualitative Analyse der Belastung von Krebspatienten aus der Perspektive von Patienten und Ärzten  
MHH-Signatur: D 81368

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## Letter

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## Promotionen

Altmayer, Niels Paul (Dr. med. dent.): Mikroleakage an implantatgetragenen Brücken : eine In-vitro-Untersuchung an CADCAM-gefertigten mehrspannigen Brücken auf Implantat- und Abutment-Level  
MHH-Signatur: D 81537

Bernhard, Sebastian (Dr. med. dent.): Untersuchung zum Einfluss unterschiedlicher Befestigungsmaterialien auf den Verbund zwischen konfektionierten Titanbasen und keramischen Aufbauten aus Glaskeramik, bzw. Zirkoniumdioxid bei zweiteiligen Abutments  
MHH-Signatur: D 81337

Brune, Annike (Dr. rer. biol. hum.): Stabilitätsbewertungen von dentalen Implantatversorgungen anhand von Finite-Elemente-Analysen  
MHH-Signatur: D 81321

Doll, Katharina (Dr. rer. nat.): Entwicklung und Charakterisierung von physikalischchemisch funktionalisiertem Titan als Biofilm-abweisende Implantatoberfläche  
MHH-Signatur: D 81234

Ingendoh-Tsakmakidis, Alexandra (Dr. rer. nat.): Modulatory effects of the commensal Streptococcus oralis in a novel peri-implant mucosa-biofilm model  
MHH-Signatur: D 80924

Kommerein, Nadine (Dr. rer. nat.): Entwicklung eines oralen Multispezies-Biofilm-Modells für die Evaluation neuer präventiver und therapeutischer Anti-Biofilm-Strategien  
MHH-Signatur: D 81324

Sun, Jingqing (Dr. med. dent.): A peri-implantitis model in the rat  
MHH-Signatur: D 81452

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## Klinik für Zahnerhaltung, Parodontologie und Präventive Zahnheilkunde – 7740

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**Promotionen**

Ahmed, Hala (Dr. med.): Alkoholkonsum und die Folgen auf die Hämostase gemessen mit der Thrombelastometrie  
MHH-Signatur: D 81516

Degenhart, Astrid (Dr. med.): Der Einfluss chronischer Schmerzen auf postoperative Schmerzen, Mobilisation und Funktion nach elektivem Hüftgelenkersatz  
MHH-Signatur: D 81498

Ebeling, Marcel (Dr. med.): Venous thromboembolic complications with and without intermittent intraoperative and postoperative pneumatic compression in patients with glioblastoma multiforme using intraoperative magnetic resonance imaging a retrospective study  
MHH-Signatur: D 81427

Fischer-Kumbruch, Moritz (Dr. med.): Stellenwert von Videolaryngoskopie und präoperativen Risikoscores bei Tumoren im Bereich des oberen Atemweges  
MHH-Signatur: D 81563

Goede, Henrike Maria (Dr. med.): Häufigkeit von Fehlern in der Umsetzung von Anordnungen des prämedizierenden Anästhesisten für die präoperative Dauermedikation  
MHH-Signatur: D 81352

Günther, Franziska (Dr. med.): Venöse Luftembolie im Rahmen der halbsitzenden Position bei neurochirurgischen Operationen Abhängigkeit der Inzidenz und des Schweregrades von der verwendeten Überwachungsmethode  
MHH-Signatur: D 81410

Klooster, Maria Petronella van 't (Dr. med.): Local-anesthetic like inhibition of the cardiac sodium channel Nav1.5 α-subunit by 5-HT3 receptor antagonists  
MHH-Signatur: D 81288

Papenberg, Bastian (Dr. med.): Beeinflussung von kardialen und neuronalen spannungsabhängigen Natriumkanälen durch die selektiven Serotonin-Noradrenalin-Aufnahmehemmer Duloxetin und Venlafaxin  
MHH-Signatur: D 81349

Risser, Linus Maximilian (Dr. med.): TRP-Kanäle als Target für reaktive Paracetamolmetabolite  
MHH-Signatur: D 81372

Springe, Anna Elisa auf der (Dr. med.): Kompatibilität von 6% Hydroxyäthylstärke 1300,42 und 4% Gelatine mit in der Kinderanästhesie gebräuchlichen intravenösen Medikamenten  
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## Klinik für Rehabilitationsmedizin – 8300

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MHH-Signatur: D 81458

## Kliniken/Institute der Sektion IV

### Zentrum Pathologie, Forensik und Genetik

#### Institut für Humangenetik – 6300

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## Promotionen

Salari, Azam (Dr. rer. nat.): The role of TP53 in chromosomal stability and hematopoiesis of the human hematopoietic stem cells  
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Keller, Gunter Erik (Dr. med. dent.): Untersuchung der ERCC1-Expression in Speicheldrüsenerkrankungen und Metaanalyse zur zielgerichteten Therapie  
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Rath, Berenice (Dr. med.): Vergleichende Analyse des fibrotischen Lungenumbaues nach Lungen- und Stammzelltransplantation  
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## Zentrum Pharmakologie und Toxikologie

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MHH-Signatur: D 81319

Scharrenbroich, Jessica (Dr. rer. nat.): Phosphodiesterase-mediated hydrolysis of cyclic pyrimidine nucleotides  
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## **Masterarbeiten**

Abromeit, Rasmus (M.Sc. Biochemie): Analysis of the regulation of cytokine expression in primary colon epithelial cells by histamine

Frommer, Miriam (M.Sc. Biochemie): Analyse einer Funktion des Histamin 4-Rezeptors im humanen Colonozytenmodell HT-29

Gierschner, Mattis B. (M.Sc. Biochemie): Analyse des Effekts von zyklischem UMP auf die Regulation der T Zell-spezifischen Zytokinproduktion

Grün, Eva (M.Sc. Biomedizin): In vivo and ex vivo Evaluation of a fluorescent labeled histamine H4-receptor ligand: UR-DEBa242

## **Bachelorarbeiten**

Glüsen, Malte (B.Sc. Biologie): Einfluss von zyklischen Nukleotiden auf die Proliferation und Apoptose von Mammakarzinom-Zelllinien

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MHH-Signatur: D 81178

Berndt, Sarah (Dr. med.): Bindung an und Aufnahme des Exoenzyms C3 in CHO-Zellen  
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Bollenbach, Alexander (Dr. rer. nat.): Massenspektrometrie-basierte in vitro und in vivo Studien zu posttranslationalen Modifikationen von Arginin und Bestimmung der Ganzkörper-Arginin-Dimethylierung am Menschen  
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Erdmann, Jelena (Dr. rer. nat.): The proteome of *Pseudomonas aeruginosa* from data to hypothesis  
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Günes, Duygu Naile (Dr. med. dent.): Pilotstudie zur Pharmakokinetik und Disposition von Homoarginin am Rattenmodell der experimentellen Tako-tsubo-Kardiomyopathie  
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## Promotionen

Herkt, Markus (Dr. rer. nat.): Pharmacological studies of antisense oligonucleotide microRNA inhibitors  
MHH-Signatur: D 81477

Kenneweg, Franziska (Dr. rer. nat.): Paracrine transfer of regulatory long non-coding RNAs via extracellular vesicles in the cardiovascular system  
MHH-Signatur: D 81156

Kitow, Janina (Dr. med.): Die Rolle der mitochondrialen *long-non-coding* RNA als blutbasierte Biomarker für myokardiales Remodeling bei Patienten mit hypertropher Kardiomyopathie  
MHH-Signatur: D 81348

Kleeberger, Jan Alphard (Dr. med.): Nicht- kodierende RNA als diagnostisches- und therapeutisches Mittel bei kardiovaskulären Erkrankungen  
MHH-Signatur: D 81387

Kölling, Malte Timo (Dr. med.): Therapeutic miR-21 silencing ameliorates diabetic kidney disease in mice  
MHH-Signatur: D 81569

Schimmel, Katharina (PhD Molecular Medicine Mag.rer.nat.(M.Sc.) Biochemistry): Development of therapeutic strategies for the treatment of cardiac fibrosis and diastolic dysfunction  
MHH-Signatur: D 81039

## Zentrum Laboratoriumsmedizin

### Institut für Immunologie – 5240

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MHH-Signatur: D 81422

Jiménez Delgado, Sharon Melissa (Dr. rer. nat.): Mechanisms of bronchoconstriction mediated by mast cell nerve interaction in human atopic lung tissue  
MHH-Signatur: D 81684

Mang, Samuel (Dr. rer. nat.): Characterisation of pathways involved in bacterial or viral induced exacerbations of airway diseases  
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MHH-Signatur: D 81453

Bats, Simon Hendrik (Dr. rer. nat.): Characterization of the CagT4SS proteins CagN and CagM  
MHH-Signatur: D 81441

Selvakumar, Tharini Ashtalakshmi (Dr. rer. nat.): Interferon mediated intestinal epithelial gene expression under homeostatic and inducible conditions  
MHH-Signatur: D 81583

### **Masterarbeiten**

Penning, Dennis (M.Sc.): *Salmonella* strain-specific interactions with host cells

## **Institut für Molekularbiologie – 5250**

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MHH-Signatur: D 81561

Kaur, Jaskiran (PhD M.Sc. Biotechnology): The role of Notch signaling in the development of the ureteric mesenchyme in the mouse  
MHH-Signatur: D 81730

Rivera Reyes, Reginaldo (PhD M.Sc. Biochemistry): Two complementary proteomic analyses uncover new regulators of TBX18 transcriptional function  
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Zapatero Belinchón, Francisco José (PhD M.Sc. Infection Biology): Study of filovirus-resistant SH-SY5Y cells reveals promiscuous usage of diverse cell surface factors during filovirus cell entry  
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Sudan, Kritika (Dr. rer. nat.): TLR4 activation alters labile heme levels to regulate BACH1 and HO-1 expression in macrophages  
MHH-Signatur: D 81558

## **Institut für Versuchstierkunde – 8602**

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## Zentrum Biometrie, medizinische Informatik und Medizintechnik

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## Peter L.Reichertz Institut für Medizinische Informatik der TU Braunschweig und der MHH – 8420

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Elgert, Lena (M.Sc.): Modellierung von Prozessen zur Erstellung, Anpassung und Kontrolle von Übungen in der Physiotherapie

Schlaf, Sebastian Philipp (M.Sc.): Grundlegende Konzeptionierung eines heoriebasierten und mit praktischen Erfahrungen angereicherten Vorgehensmodells zur Markteinführung medizinischer Produkte

## **Integriertes Forschungs- und Behandlungszentrum Transplantation**

### **IFB-Tx: Zelltherapeutika – 8885**

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## **IFB-Tx: Transplantationsimmunologie – 8889**

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### Promotionen

Matzke, Svenja (Dr. med.): Vorhersage von Überleben und Auftreten eines Tumorrezidivs bei Patienten nach Operation eines neuroendokrinen Pankreastumors  
MHH-Signatur: D 81362

Nolte, Almut (Dr. med.): Identifikation von Risikofaktoren für eine Einschränkung der Nierenfunktion nach Lebendspende-Nierentransplantation  
MHH-Signatur: D 81357

Saldana-Handreck, Ricardo (Dr. med.): Prognostische Fähigkeiten und Qualitätsbewertung von Modellen zur Vorhersage der 90-Tage Mortalität von Patienten auf der Warteliste zur Lebertransplantation  
MHH-Signatur: D 81328

Schulte, Aron Benjamin (Dr. med.): Der neue *Resection Severity Index* ist ein unabhängiger signifikanter prognostischer Faktor für die frühe Mortalität und das Langzeitüberleben nach Leberresektion zur Behandlung des hepatzellulären Karzinoms  
MHH-Signatur: D 81434

## Zentrum für experimentelle und klinische Infektionsforschung (TwinCore)

### TwinCore - Experimentelle Infektionsforschung – 9651

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### Promotionen

Baines, Pia Elisabeth (Dr. med.): Decoding hepatitis C virus entry structural and functional determinants of the HCV entry factor CD81  
MHH-Signatur: D 81360

Blank, Patrick (Dr. rer. nat.): The function of IFN-γ signaling during mycobacterial infection  
MHH-Signatur: D 81638

Ghita, Luca (Dr. rer. nat. Neuroimmunology M.Sc. Medical Biotechnology): Dissecting the roles of TLR- and RLR- signalling in viral encephalitis  
MHH-Signatur: D 81438

Graalmann, Theresa (Dr. rer. nat.): Indirect effects of immunomodulators on T cell responses  
MHH-Signatur: D 81310

Jentsch, Leonhard (Dr. med.): Etablierung einer bevölkerungsbasierten Studie zur Immunantwort auf die saisonale Influenzaimpfung bei älteren Menschen : Untersuchung der Machbarkeit aus epidemiologischer Sicht  
MHH-Signatur: D 81340

Malik, Muhammad Nasir Hayat (Dr. rer. nat.): ISG15 deficiency promotes skin ulcerations and viral resistance in humans  
MHH-Signatur: D 81472

Tegtmeyer, Pia-Katharina (Dr. rer. nat.): Analysis of the role of different pattern recognition receptors in murine cytomegalovirus-mediated activation of innate immunity  
MHH-Signatur: D 81530

## TwinCore - Experimentelle Virologie – 9652

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MHH-Signatur: D 81184

Butovetsky, Wladislaw (Dr. med.): Characteristics of respiratory syncytial virus strains circulating in northern Germany 2012-2014  
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Franz, Sergej (Dr. rer. nat. M.Sc.): Cellular and pharmacological inhibition of enveloped virus entry  
MHH-Signatur: D 81273

Ponnurangam, Aparna (Dr. rer. nat.): Characterization of cGAS-mediated DNA sensing in murine T-cells  
MHH-Signatur: D 81390

## **TwinCore - Infektionsimmunologie – 9653**

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Ahmetic F, Riedel T, Hömberg N, Bauer V, Trautwein N, Geishauser A, Sparwasser T, Stevanovic S, Röcken M, Mocikat R. Regulatory T Cells in an Endogenous Mouse Lymphoma Recognize Specific Antigen Peptides and Contribute to Immune Escape. Cancer Immunol Res 2019;7(4):600-608

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Raud, Brenda (PhD Immunology): The role of fatty acid metabolism in the development of CD4+ T cell responses  
MHH-Signatur: D 81311

Stüve, Philipp Florenz (Dr. rer. nat. M.Sc. Biomedicine): Novel pathways of immune modulation to control mycobacterial infection  
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## TwinCore – Molekulare Bakteriologie – 9654

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Große, Svenja (Dr. rer. nat.): tRNA modifications in *Pseudomonas aeruginosa*  
MHH-Signatur: D 81543

Kordes, Adrian (Dr. med.): Adaptation strategies of *Pseudomonas aeruginosa* to the host environment during acute and chronic infections  
MHH-Signatur: D 81476

Koska, Michał Krzysztof (Dr. rer. nat. M.Sc.): Role of two-component systems on the switch to a small colony variant phenotype in *Pseudomonas aeruginosa*  
MHH-Signatur: D 81445

# Helmholtz-Zentrum für Infektionsforschung (HZI)

## Abteilung für Infektionsepidemiologie (HZI1)

### Originalpublikationen

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## Übersichtsarbeiten

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## Comments

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## Abstracts

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## Habilitationen

Karch, André (PD Dr. med.): Validität und Reliabilität von Biomarkern für rasch-progrediente Demenzerkrankungen am Beispiel der Creutzfeldt-Jakob Krankheit  
MHH-Signatur: D 81613

## Promotionen

Bonifacius, Agnes Elisa (Dr. rer. nat.): Modulation of effector and regulatory T cell differentiation and function by bacterial compounds  
MHH-Signatur: D 81535

## REBIRTH

### REBIRTH – 8880

#### Originalpublikationen

Olmer R, Dahlmann J, Merkert S, Baus S, Göhring G, Martin U. Generation of a NKX2.1 knock-in reporter cell line from human induced pluripotent stem cells (MHHi006-A-2) Stem Cell Res 2019;39:101492

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### ZIMT – 8700

#### Originalpublikationen

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### Bibliothek – 8900

#### Case reports

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#### Originalpublikationen

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Szermerski, Bastian (Dr. rer. nat.): Strahlenexposition der Augenlinse in nuklearmedizinischen Einrichtungen  
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## Elektronenmikroskop-Labor – 8840

#### Originalpublikationen

Beike L, Wrede C, Hegermann J, Lopez-Rodriguez E, Kloth C, Gauldie J, Kolb M, Maus UA, Ochs M, Knudsen L. Surfactant dysfunction and alveolar collapse are linked with fibrotic septal wall remodeling in the TGF-beta1-induced mouse model of pulmonary fibrosis. *Lab Invest* 2019;99(6):830-852

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## Zellsortierung (Sorter-Lab) – 9411

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## Abteilungsübergreifende Bereiche

### Biomedical Research Endstage and Obstructive Lung Disease Hannover (BREATH)

#### Originalpublikationen

Beike L, Wrede C, Hegermann J, Lopez-Rodriguez E, Kloft C, Gauldie J, Kolb M, Maus UA, Ochs M, Knudsen L. Surfactant dysfunction and alveolar collapse are linked with fibrotic septal wall remodeling in the TGF-beta1-induced mouse model of pulmonary fibrosis. Lab Invest 2019;99(6):830-852

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Drick N, Sahabian A, Pongpamorn P, Merkert S, Göhring G, Welte T, Martin U, Olmer R. Generation of a NKX2.1 - p63 double transgenic knock-in reporter cell line from human induced pluripotent stem cells (MHHi006-A-4) Stem Cell Res 2020;42:101659

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#### Letter

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## **Case reports**

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## **DZIF: Deutsches Zentrum für Infektionsforschung**

### **Originalpublikationen**

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### Promotionen

Aregay, Amare Gebrehiwot (PhD M.Sc.): Impact of sustained hepatitis C virus clearance on HCV-specific CD8+ T cell responses and global cellular immunity during chronic hepatitis C

MHH-Signatur: D 81433

Bats, Simon Hendrik (Dr. rer. nat.): Characterization of the CagT4SS proteins CagN and CagM

MHH-Signatur: D 81441

Bolaños-Palmieri, Patricia (PhD Molecular Medicine M.Sc. Biology): Kynurenine pathway dysregulation alters podocyte morphology and bioenergetic status contributing to glomerular dysfunction

MHH-Signatur: D 81456

Bolesani, Emiliano (PhD M.Sc.): Controlling cardiovascular progenitor cells (CPCs) culture from human pluripotent stem cells by chemical compounds

MHH-Signatur: D 81397

Brand, Daniel (Dr. rer. nat. M.Sc. Biomedicine): Influence of oncogene expression levels on cell fate decisions

MHH-Signatur: D 81604

Cirksena, Karsten (Dr. rer. nat. M.Sc.): Generation and functional characterisation of C-mannosyltransferase-deficient human induced pluripotent stem cells

MHH-Signatur: D 81654

Coffee, Michelle (PhD Tissue Engineering M.Sc.): Higher throughput production of 3D cardiac microtissues for characterisation and in vitro application

MHH-Signatur: D 81871

De, Adim (PhD Biomedical Engineering M.Sc.): Development of endothelialisation methods & *in vitro* testing systems for vascular stents

MHH-Signatur: D 81292

Dhingra, Akshay (Dr. rer. nat. Virology M.Sc.): Evolution and genetic diversity of DNA viruses in immunocompetent and immunocompromised hosts

MHH-Signatur: D 81442

Eckert, Nadine (Dr. rer. nat. M.Sc. Molecular Medicine): The role of the Atypical Chemokine Receptor 4 (ACKR4) in intestinal immunity

MHH-Signatur: D 81422

Erlangga, Zulrahman (PhD): Gallbladder organoids, a system to study tumorigenesis and treatment response in gallbladder cancer

MHH-Signatur: D 81586

Faisal, Muhammad (PhD): Splice factor mutations in myeloid neoplasms, functional and clinical relevance

MHH-Signatur: D 81587

Farag, Ahmed Karim (PhD Immunology M.Sc.): Integrative approaches to provide deeper characterization towards understanding the molecular aspects of atopic dermatitis  
MHH-Signatur: D 81497

Franz, Sergej (Dr. rer. nat. M.Sc.): Cellular and pharmacological inhibition of enveloped virus entry  
MHH-Signatur: D 81273

Ghita, Luca (Dr. rer. nat. Neuroimmunology M.Sc. Medical Biotechnology): Dissecting the roles of TLR- and RLR- signalling in viral encephalitis  
MHH-Signatur: D 81438

Gialesaki, Sofia (Dr. rer. nat. Hematology & Oncology M.Sc. Molecular Basis of Human Disease): Deciphering the deregulated complex transcription network in Down syndrome myeloid leukemia  
MHH-Signatur: D 81425

Goecke, Tobias (PhD MD): Immunological analysis of xenoantigen-reduced matrices suited for tissue engineering in animal models  
MHH-Signatur: D 81653

Halloon, Caroline (PhD Bioprocess Engineering Dipl. Bioeng.): Large scale human pluripotent stem cell differentiation into human cardiomyocytes in bioreactors  
MHH-Signatur: D 81872

Helmke, Alexandra (Dr. rer. nat. Immunology M.Sc. Nutrition & Health): Mechanisms of interaction of mononuclear phagocytes with endothelium and mesothelium in chronic inflammation and fibrosis  
MHH-Signatur: D 81272

Hickford Martínez, Ana-Aquilina (PhD): Cytosolic host factors interacting with capsids of herpes simplex virus type 1  
MHH-Signatur: D 81771

Ingendoh-Tsakmakidis, Alexandra (Dr. rer. nat.): Modulatory effects of the commensal Streptococcus oralis in a novel peri-implant mucosa-biofilm model  
MHH-Signatur: D 80924

Kaur, Jaskiran (PhD M.Sc. Biotechnology): The role of Notch signaling in the development of the ureteric mesenchyme in the mouse  
MHH-Signatur: D 81730

Kessler, Mariella (Dr. rer. nat. M.Sc.Biology): Improved understanding of the pathophysiology and therapy of hearing impairment based on functional and molecular diagnostics using emission tomography  
MHH-Signatur: D 81475

Kini, Archana (Dr. rer. nat. M.Sc. Biotechnology): Genetic ablation of anion exchanger Slc26a3 results in colonic inflammation and microbiome imbalance  
MHH-Signatur: D 81593

Koska, Michal Krzysztof (Dr. rer. nat. M.Sc.): Role of two-component systems on the switch to a small colony variant phenotype in *Pseudomonas aeruginosa*  
MHH-Signatur: D 81445

Kutle, Ivana (Dr. rer. nat. M.Sc. Molecular Biology): The mouse cytomegalovirus M25 proteins induce cytoskeletal rearrangements and modulate activity of the host factor p53  
MHH-Signatur: D 81473

Labuhn, Maurice (Dr. rer. nat. M.Sc. Biomedicine): Functional analysis of the leukemic evolution in children with Down syndrome utilizing CRISPR-Cas9 genome editing  
MHH-Signatur: D 81297

Langer Jacobus, Thais (Dr. rer. nat. M.Sc. Molecular Biology): Alloantibody formation against NK cell antigens in patients following solid organ transplantation  
MHH-Signatur: D 81598

Limaye, Dnyanesh (PhD): A study of self-medication habits of people in rural and urban population of western Maharashtra, India  
MHH-Signatur: D 81393

Maluski, Marcel (PhD Immunology M.Sc. Biochemistry): Expression of a chimeric antigen receptor in lymphoid progenitors suppresses T cell but favors NK cell-like development  
MHH-Signatur: D 81424

Malysheva, Svitlana (Dr. rer. nat. M.Sc.): Utilisation of human induced pluripotent stem cells for investigation of potential immuno-inhibitory properties of trophoblasts  
MHH-Signatur: D 81655

Marasco, Michelangelo (PhD): Structural basis of the activation mechanism of SHP2 driven by PD-1  
MHH-Signatur: D 81602

Meyer-Schlinkmann, Kristin Maria (PhD M.Sc. B.Sc.): Respiratory and gastrointestinal infections in childhood: incidence, transmission, and prevention  
MHH-Signatur: D 81391

Mishra, Amrendra (PhD M.Sc. Biotechnology): Modelling pancreatic cancer-associated genome alterations in vivo using GEMM-ESC technology and CRISPRCas9 system  
MHH-Signatur: D 81592

Mutsenko, Vitalii (Dr. rer. nat. M.Sc.): Cryopreservation of mesenchymal stromal cells within tissue engineering approaches  
MHH-Signatur: D 81395

Nahrevanian, Shahab (Dr. rer. nat. M.Sc. Molecular Biology): Screening and characterization of novel chemical compounds inhibiting cytomegalovirus infection  
MHH-Signatur: D 81302

Philipp, Friederike (Dr. rer. nat. M.Sc.): Characterization of hematopoietic stem and progenitor cells generated by teratoma formation with human induced pluripotent stem cells  
MHH-Signatur: D 81394

Pienkowska, Katarzyna (PhD Bioinformatics M.Sc. Biotechnology): Airway microbial metagenomics  
MHH-Signatur: D 81284

Prakash, Ohm (PhD Biochemistry): Description of the catalytic mechanism and inhibitors of *Leishmania major* UDP-sugar pyrophosphorylase  
MHH-Signatur: D 81416

Quass, Gunnar Lennart (PhD): Electrical stimulation of the mouse auditory midbrain  
MHH-Signatur: D 81574

Ramos Ribeiro de Lemos Albuquerque Wendt, Andreia Filipa (PhD): Glycosylation of thrombospondin type 1 repeat containing proteins importance of C-mannosylation in *Toxoplasma gondii*  
MHH-Signatur: D 80914

Raud, Brenda (PhD Immunology): The role of fatty acid metabolism in the development of CD4+ T cell responses  
MHH-Signatur: D 81311

Ribeiro Pereira Nogueira, Sara Isabel (PhD Immunology): Homing of B cells via afferent lymphatics  
MHH-Signatur: D 81274

Ríos Camacho, Julio César (PhD M.Sc.): Development of biocompatible matrices for stem cell-derived bioartificial cardiac tissue for reconstructive therapy  
MHH-Signatur: D 81657

Rivera Reyes, Reginaldo (PhD M.Sc. Biochemistry): Two complementary proteomic analyses uncover new regulators of TBX18 transcriptional function  
MHH-Signatur: D 81728

Saint-Marc, Clémence (PhD M.Sc.): Exposure to xenoantigen-deprived decellularized matrices: an *in vitro* analysis of cellular responses  
MHH-Signatur: D 81676

Samper Martínez, Esther (PhD M.Sc.): Development of a human vascularised tissue engineered myocardial patch  
MHH-Signatur: D 81398

Schimmel, Katharina (PhD Molecular Medicine Mag.rer.nat.(M.Sc.) Biochemistry): Development of therapeutic strategies for the treatment of cardiac fibrosis and diastolic dysfunction  
MHH-Signatur: D 81039

Schirdewahn, Thomas (Dr. rer. nat. M.Sc. Microbiology): The role of NK cells and T cells in the pathogenesis of hepatitis delta  
MHH-Signatur: D 81277

Schröder, Claudia (Dr. rer. nat. M.Sc. Biomedicine): New gene defects in combined and common variable immunodeficiency  
MHH-Signatur: D 81494

Sen, Payel (PhD Nephrology): Role of plasminogen activator inhibitor-2 (PAI-2) in acute and chronic kidney disease  
MHH-Signatur: D 81271

Soon, Chai Fen (PhD M.Sc.): Identification and Characterization of HLA-A2-restricted CD8+ T cells against Hepatitis E Virus (HEV) for development of T cell-based therapy against chronic Hepatitis E  
MHH-Signatur: D 81431

Stahnke, Stephanie (PhD): The role of the WAVE complex in immune cells in vitro and in vivo  
MHH-Signatur: D 81267

Suresh, Sinduja (PhD M.Sc.): Improving cell infiltration in electrospun scaffolds for soft tissue engineering  
MHH-Signatur: D 81396

Vashist, Neha (PhD Immunology M.Sc. Immunology): Dissecting innate lymphoid cells and their interaction with virus infected cells to evaluate their potential for immune interventions  
MHH-Signatur: D 81459

Vásquez Rivera, Andrés (Dr. rer. nat. M.Sc.): Dry preservation of heart valve scaffolds  
MHH-Signatur: D 81298

Villalvazo Guerrero, Julio César (PhD Virology M.Sc. Biology): Identification of small chemical compounds blocking tegumentation and assembly of herpes simplex virus  
MHH-Signatur: D 81764

Voigt, Mathias Benjamin (Dr. rer. nat. M.Sc.): Layer-specific intracortical microstimulation of primary auditory cortex in vivo  
MHH-Signatur: D 81411

Wilharm, Anneke (Dr. rer. nat. M.Sc.Biomedicine): Elucidating tissue-specific functions of pre-activated  $\gamma\delta$  T cell subsets in mice  
MHH-Signatur: D 81451

Zapatero Belinchón, Francisco José (PhD M.Sc. Infection Biology): Study of filovirus-resistant SH-SY5Y cells reveals promiscuous usage of diverse cell surface factors during filovirus cell entry  
MHH-Signatur: D 81601

## Hearing 4All

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Büchner A, Schwebs M, Lenarz T. Speech understanding and listening effort in cochlear implant users - microphone beamformers lead to significant improvements in noisy environments Cochlear Implants Int 2020;21(1):1-8

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Wang H, Stahl F, Scheper T, Steffens M, Warnecke A, Zeilinger C. Microarray-based screening system identifies temperature-controlled activity of Connexin 26 that is distorted by mutations Sci Rep 2019;9(1):13543

Warnecke A, Prenzler NK, Schmitt H, Daemen K, Keil J, Dursin M, Lenarz T, Falk CS. Defining the Inflammatory Microenvironment in the Human Cochlea by Perilymph Analysis: Toward Liquid Biopsy of the Cochlea Front Neurol 2019;10:665

Weininger O, Warnecke A, Lesinski-Schiedat A, Lenarz T, Stolle S. Computational analysis based on audioprofiles: A new possibility for patient stratification in office-based otology Audiol Res 2019;9(2):230

Yilmaz-Bayraktar S, Schwieger J, Scheper V, Lenarz T, Böer U, Kreienmeyer M, Torrente M, Doll T. Decellularized equine carotid artery layers as matrix for regenerated neurites of spiral ganglion neurons Int J Artif Organs 2020;43(5):332-342

## Internationales PhD Programm: Auditory Sciences

### Promotionen

Kessler, Mariella (Dr. rer. nat. M.Sc.Biology): Improved understanding of the pathophysiology and therapy of hearing impairment based on functional and molecular diagnostics using emission tomography  
MHH-Signatur: D 81475

Quass, Gunnar Lennart (PhD): Electrical stimulation of the mouse auditory midbrain  
MHH-Signatur: D 81574

Voigt, Mathias Benjamin (Dr. rer. nat. M.Sc.): Layer-specific intracortical microstimulation of primary auditory cortex in vivo  
MHH-Signatur: D 81411

## Internationales PhD Programm: DEWIN - Dynamik der Erreger-Wirt-Interaktionen

### Promotionen

Franz, Sergej (Dr. rer. nat. M.Sc.): Cellular and pharmacological inhibition of enveloped virus entry  
MHH-Signatur: D 81273

Ghita, Luca (Dr. rer. nat. Neuroimmunology M.Sc. Medical Biotechnology): Dissecting the roles of TLR- and RLR- signalling in viral encephalitis  
MHH-Signatur: D 81438

Pienkowska, Katarzyna (PhD Bioinformatics M.Sc. Biotechnology): Airway microbial metagenomics  
MHH-Signatur: D 81284

Raud, Brenda (PhD Immunology): The role of fatty acid metabolism in the development of CD4+ T cell responses  
MHH-Signatur: D 81311

Ribeiro Pereira Nogueira, Sara Isabel (PhD Immunology): Homing of B cells via afferent lymphatics  
MHH-Signatur: D 81274

Soon, Chai Fen (PhD M.Sc.): Identification and Characterization of HLA-A2-restricted CD8+ T cells against Hepatitis E Virus (HEV) for development of T cell-based therapy against chronic Hepatitis E  
MHH-Signatur: D 81431

Villalvazo Guerrero, Julio César (PhD Virology M.Sc. Biology): Identification of small chemical compounds blocking tegumentation and assembly of herpes simplex virus  
MHH-Signatur: D 81764

Wilharm, Anneke (Dr. rer. nat. M.Sc. Biomedicine): Elucidating tissue-specific functions of pre-activated  $\gamma\delta$  T cell subsets in mice  
MHH-Signatur: D 81451

Zapatero Belinchón, Francisco José (PhD M.Sc. Infection Biology): Study of filovirus-resistant SH-SY5Y cells reveals promiscuous usage of diverse cell surface factors during filovirus cell entry  
MHH-Signatur: D 81601

Zhu, Shuyong (PhD M.Sc.): Derivation of human low threshold mechanoreceptors to study varicella zoster virus latency and reactivation  
MHH-Signatur: D 81403

## Internationales PhD Programm: Epidemiology

### Originalpublikationen

Akmatov MK, Rübsamen N, Deyneko IV, Karch A, Mikolajczyk RT. Poor knowledge of vaccination recommendations and negative attitudes towards vaccinations are independently associated with poor vaccination uptake among adults - Findings of a population-based panel study in Lower Saxony, Germany Vaccine 2018;36(18):2417-2426

Caputo M, Raupach-Rosin H, Karch A, Borte M, Lehmann I, Liebert UG, Standl M, Heinrich J, Mikolajczyk RT. Vaccinations and Infections Are Associated With Unrelated Antibody Titers: An Analysis From the German Birth Cohort Study LISA. Front Pediatr 2019;7:254

Caputo M, Stumpe V, Rübsamen N, Mikolajczyk RT, Karch A. Implementation of preventive measures against tick-borne infections in a non-endemic area for tick-borne encephalitis-Results from a population-based survey in Lower Saxony, Germany Ticks Tick Borne Dis 2019;10(3):614-620

Caputo M, Zoch-Lesniak B, Karch A, Vital M, Meyer F, Klawonn F, Baillot A, Pieper DH, Mikolajczyk RT. Bacterial community structure and effects of picornavirus infection on the anterior nares microbiome in early childhood BMC Microbiol 2019;19(1):1

Chaw PS, Schlinkmann KM, Raupach-Rosin H, Karch A, Pletz MW, Huebner J, Nyan O, Mikolajczyk R. Antibiotic use on paediatric inpatients in a teaching hospital in the Gambia, a retrospective study Antimicrob Resist Infect Control 2018;7:82

Gottschick C, Raupach-Rosin H, Langer S, Hassan L, Horn J, Dorendorf E, Caputo M, Bittner M, Beier L, Rübsamen N, Schlinkmann K, Zoch B, Guzman CA, Hansen G, Heselich V, Holzapfel E, Hübner J, Pietschmann T, Pieper DH, Pletz M, Riese P, Schmidt-Pokrzywniak A, Hartwig S, von Kaisenberg C, Aydogdu M, Buhles M, Dressler F, Eberl W, Haase R, Edler von Koch F, Feidicker S, Frambach T, Franz HGB, Guthmann F, Koch HG, Seeger S, Oberhoff C, Pauker W, Petry KU, Schild RL, Tchirikov M, Rohrig E, Mikolajczyk R. Cohort profile: The LoewenKIDS Study - life-course perspective on infections, the microbiome and the development of the immune system in early childhood. Int J Epidemiol 2019;48(4):1042-1043h

Grylka-Baeschin S, Clarke M, Begley C, Daly D, Healy P, Nicoletti J, Devane D, Morano S, Krause G, Karch A, Savage G, Gross MM. Labour characteristics of women achieving successful vaginal birth after caesarean section in three European countries. *Midwifery* 2019;74:36-43

Horn J, Damm O, Greiner W, Hengel H, Kretzschmar ME, Siedler A, Ultsch B, Weidemann F, Wichmann O, Karch A, Mikolajczyk RT. Influence of demographic changes on the impact of vaccination against varicella and herpes zoster in Germany - a mathematical modelling study *BMC Med* 2018;16(1):3

Horn J, Hoodgarzadeh M, Klett-Tammen CJ, Mikolajczyk RT, Krause G, Ott JJ. Epidemiologic estimates of hepatitis E virus infection in European countries *J Infect* 2018;77(6):544-552

Lamping F, Jack T, Rübsamen N, Sasse M, Beerbaum P, Mikolajczyk RT, Boehne M, Karch A. Development and validation of a diagnostic model for early differentiation of sepsis and non-infectious SIRS in critically ill children - a data-driven approach using machine-learning algorithms *BMC Pediatr* 2018;18(1):112

Nguyen VK, Mikolajczyk R, Hernandez-Vargas EA. High-resolution epidemic simulation using within-host infection and contact data *BMC Public Health* 2018;18(1):886

Obenauer J, Rübsamen N, Garsevanidze E, Karch A, Mikolajczyk RT. Changes in risk perceptions during the 2014 Ebola virus disease epidemic: results of two consecutive surveys among the general population in Lower Saxony, Germany *BMC Public Health* 2018;18(1):628

Raupach-Rosin H, Rübsamen N, Schütte G, Raschpichler G, Chaw PS, Mikolajczyk R. Knowledge on Antibiotic Use, Self-Reported Adherence to Antibiotic Intake, and Knowledge on Multi-Drug Resistant Pathogens - Results of a Population-Based Survey in Lower Saxony, Germany *Front Microbiol* 2019;10:776

Schlinkmann KM, Bakuli A, Karch A, Meyer F, Dreesman J, Monazahian M, Mikolajczyk R. Transmission of respiratory and gastrointestinal infections in German households with children attending child care *Epidemiol Infect* 2018;146(5):627-632

Tom-Aba D, Nguku PM, Arinze CC, Krause G. Assessing the Concepts and Designs of 58 Mobile Apps for the Management of the 2014-2015 West Africa Ebola Outbreak: Systematic Review *JMIR Public Health Surveill* 2018;4(4):e68

Tom-Aba D, Toikkanen SE, Glöckner S, Adeoye O, Mall S, Fähnrich C, Denecke K, Benzler J, Kirchner G, Schwarz N, Poggensee G, Silenou BC, Ameh CA, Nguku P, Olubunmi O, Ihekweazu C, Krause G. User Evaluation Indicates High Quality of the Surveillance Outbreak Response Management and Analysis System (SORMAS) After Field Deployment in Nigeria in 2015 and 2018 *Stud Health Technol Inform* 2018;253:233-237

Yinka-Ogunleye A, Aruna O, Dalhat M, Ogoina D, McCollum A, Disu Y, Mamadu I, Akinpelu A, Ahmad A, Burga J, Ndoreraho A, Nkunimana E, Manneh L, Mohammed A, Adeoye O, Tom-Aba D, Silenou B, Ipadeola O, Saleh M, Adeyemo A, Nwadiutor I, Aworabhi N, Uke P, John D, Wakama P, Reynolds M, Mauldin MR, Doty J, Wilkins K, Musa J, Khalakdina A, Adedeji A, Mba N, Ojo O, Krause G, Ihekweazu C, CDC Monkeypox Outbreak Team. Outbreak of human monkeypox in Nigeria in 2017-18: a clinical and epidemiological report *Lancet Infect Dis* 2019;19(8):872-879

Zoch-Lesniak B, Ware RS, Grimwood K, Lambert SB. The Respiratory Specimen Collection Trial (ReSpeCT): A Randomized Controlled Trial to Compare Quality and Timeliness of Respiratory Sample Collection in the Home by Parents and Healthcare Workers From Children Aged 1 *J Pediatric Infect Dis Soc* 2020;9(2):134-141

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Gottschick C, Raupach-Rosin H, Langer S, Hassan L, Horn J, Dorendorf E, Caputo M, Bittner M, Beier L, Rubsamen N, Schlinkmann K, Zoch B, Guzman CA, Hansen G, Heselich V, Holzapfel E, Hubner J, Pietschmann T, Pieper DH, Pletz M, Riese P, Schmidt-Pokrzywniak A, Hartwig S, von Kaisenberg C, Aydogdu M, Buhles M, Dressler F, Eberl W, Haase R, von Koch FE, Feidicker S, Frambach T, Franz HGB, Guthmann F, Koch HG, Seeger S, Oberhoff C, Pauker W, Petry KU, Schild RL, Tchirikov M, Rohrig E, Karch A, Mikolajczyk R. Cohort profile: The LoewenKIDS Study - life-course perspective on infections, the microbiome and the development of the immune system in early childhood. *Int J Epidemiol* 2019;48(4):1382-1383

### **Promotionen**

Limaye, Dnyanesh (PhD): A study of self-medication habits of people in rural and urban population of western Maharashtra, India  
MHH-Signatur: D 81393

Meyer-Schlinkmann, Kristin Maria (PhD M.Sc. B.Sc.): Respiratory and gastrointestinal infections in childhood: incidence, transmission, and prevention  
MHH-Signatur: D 81391

## Internationales PhD Programm: Infection Biology

### Promotionen

Aregay, Amare Gebrehiwot (PhD M.Sc.): Impact of sustained hepatitis C virus clearance on HCV-specific CD8+ T cell responses and global cellular immunity during chronic hepatitis C

MHH-Signatur: D 81433

Dhingra, Akshay (Dr. rer. nat. Virology M.Sc.): Evolution and genetic diversity of DNA viruses in immunocompetent and immunocompromised hosts

MHH-Signatur: D 81442

Eckert, Nadine (Dr. rer. nat. M.Sc. Molecular Medicine): The role of the Atypical Chemokine Receptor 4 (ACKR4) in intestinal immunity

MHH-Signatur: D 81422

Hickford Martínez, Ana-Aquilina (PhD): Cytosolic host factors interacting with capsids of herpes simplex virus type 1

MHH-Signatur: D 81771

Kutle, Ivana (Dr. rer. nat. M.Sc. Molecular Biology): The mouse cytomegalovirus M25 proteins induce cytoskeletal rearrangements and modulate activity of the host factor p53

MHH-Signatur: D 81473

Nahrevanian, Shahab (Dr. rer. nat. M.Sc. Molecular Biology): Screening and characterization of novel chemical compounds inhibiting cytomegalovirus infection

MHH-Signatur: D 81302

Schirdewahn, Thomas (Dr. rer. nat. M.Sc. Microbiology): The role of NK cells and T cells in the pathogenesis of hepatitis delta

MHH-Signatur: D 81277

## Internationales MD/PhD Programm: Molecular Medicine

### Promotionen

Bolaños-Palmieri, Patricia (PhD Molecular Medicine M.Sc. Biology): Kynurenone pathway dysregulation alters podocyte morphology and bioenergetic status contributing to glomerular dysfunction

MHH-Signatur: D 81456

Brand, Daniel (Dr. rer. nat. M.Sc. Biomedicine): Influence of oncogene expression levels on cell fate decisions

MHH-Signatur: D 81604

Erlangga, Zulrahman (PhD): Gallbladder organoids, a system to study tumorigenesis and treatment response in gallbladder cancer

MHH-Signatur: D 81586

Faisal, Muhammad (PhD): Splice factor mutations in myeloid neoplasms, functional and clinical relevance

MHH-Signatur: D 81587

Farag, Ahmed Karim (PhD Immunology M.Sc.): Integrative approaches to provide deeper characterization towards understanding the molecular aspects of atopic dermatitis

MHH-Signatur: D 81497

Gialesaki, Sofia (Dr. rer. nat. Hematology & Oncology M.Sc. Molecular Basis of Human Disease): Deciphering the deregulated complex transcription network in Down syndrome myeloid leukemia

MHH-Signatur: D 81425

Helmke, Alexandra (Dr. rer. nat. Immunology M.Sc. Nutrition & Health): Mechanisms of interaction of mononuclear phagocytes with endothelium and mesothelium in chronic inflammation and fibrosis

MHH-Signatur: D 81272

Ingendoh-Tsakmakidis, Alexandra (Dr. rer. nat.): Modulatory effects of the commensal *Streptococcus oralis* in a novel peri-implant mucosa-biofilm model  
MHH-Signatur: D 80924

Kaur, Jaskiran (PhD M.Sc. Biotechnology): The role of Notch signaling in the development of the ureteric mesenchyme in the mouse  
MHH-Signatur: D 81730

Kini, Archana (Dr. rer. nat. M.Sc. Biotechnology): Genetic ablation of anion exchanger Slc26a3 results in colonic inflammation and micro-biome imbalance  
MHH-Signatur: D 81593

Koska, Michal Krzysztof (Dr. rer. nat. M.Sc.): Role of two-component systems on the switch to a small colony variant phenotype in *Pseudomonas aeruginosa*  
MHH-Signatur: D 81445

Labuhn, Maurice (Dr. rer. nat. M.Sc. Biomedicine): Functional analysis of the leukemic evolution in children with Down syndrome utilizing CRISPR-Cas9 genome editing  
MHH-Signatur: D 81297

Langer Jacobus, Thais (Dr. rer. nat. M.Sc. Molecular Biology): Alloantibody formation against NK cell antigens in patients following solid organ transplantation  
MHH-Signatur: D 81598

Maluski, Marcel (PhD Immunology M.Sc. Biochemistry): Expression of a chimeric antigen receptor in lymphoid progenitors suppresses T cell but favors NK cell-like development  
MHH-Signatur: D 81424

Marasco, Michelangelo (PhD): Structural basis of the activation mechanism of SHP2 driven by PD-1  
MHH-Signatur: D 81602

Mishra, Amrendra (PhD M.Sc. Biotechnology): Modelling pancreatic cancer-associated genome alterations in vivo using GEMM-ESC technology and CRISPRCas9 system  
MHH-Signatur: D 81592

Prakash, Ohm (PhD Biochemistry): Description of the catalytic mechanism and inhibitors of *Leishmania major* UDP-sugar pyrophosphorylase  
MHH-Signatur: D 81416

Ramos Ribeiro de Lemos Albuquerque Wendt, Andreia Filipa (PhD): Glycosylation of thrombospondin type 1 repeat containing proteins importance of C-mannosylation in *Toxoplasma gondii*  
MHH-Signatur: D 80914

Rivera Reyes, Reginaldo (PhD M.Sc. Biochemistry): Two complementary proteomic analyses uncover new regulators of TBX18 transcriptional function  
MHH-Signatur: D 81728

Schimmel, Katharina (PhD Molecular Medicine Mag.rer.nat.(M.Sc.) Biochemistry): Development of therapeutic strategies for the treatment of cardiac fibrosis and diastolic dysfunction  
MHH-Signatur: D 81039

Schröder, Claudia (Dr. rer. nat. M.Sc. Biomedicine): New gene defects in combined and common variable immunodeficiency  
MHH-Signatur: D 81494

Sen, Payel (PhD Nephrology): Role of plasminogen activator inhibitor-2 (PAI-2) in acute and chronic kidney disease  
MHH-Signatur: D 81271

Stahnke, Stephanie (PhD): The role of the WAVE complex in immune cells in vitro and in vivo  
MHH-Signatur: D 81267

## Internationales PhD Programm: Regenerative Sciences

### Letter

Odak I, Raha S, Schultze-Florey C, Tavil S, Ravens S, Ganser A, Förster R, Prinz I, Koenecke C. Focusing of the regulatory T-cell repertoire after allogeneic stem cell transplantation indicates protection from graft-versus-host disease Haematologica 2019;104(12):e577-e580

### Promotionen

Bolesani, Emiliano (PhD M.Sc.): Controlling cardiovascular progenitor cells (CPCs) culture from human pluripotent stem cells by chemical compounds  
MHH-Signatur: D 81397

Cirksena, Karsten (Dr. rer. nat. M.Sc.): Generation and functional characterisation of C-mannosyltransferase-deficient human induced pluripotent stem cells  
MHH-Signatur: D 81654

Coffee, Michelle (PhD Tissue Engineering M.Sc.): Higher throughput production of 3D cardiac microtissues for characterisation and in vitro application  
MHH-Signatur: D 81871

De, Adim (PhD Biomedical Engineering M.Sc.): Development of endothelialisation methods & *in vitro* testing systems for vascular stents  
MHH-Signatur: D 81292

Goecke, Tobias (PhD MD): Immunological analysis of xenoantigen-reduced matrices suited for tissue engineering in animal models  
MHH-Signatur: D 81653

Halloin, Caroline (PhD Bioprocess Engineering Dipl. Bioeng.): Large scale human pluripotent stem cell differentiation into human cardiomyocytes in bioreactors  
MHH-Signatur: D 81872

Malysheva, Svitlana (Dr. rer. nat. M.Sc.): Utilisation of human induced pluripotent stem cells for investigation of potential immunoinhibitory properties of trophoblasts  
MHH-Signatur: D 81655

Mutsenko, Vitalii (Dr. rer. nat. M.Sc.): Cryopreservation of mesenchymal stromal cells within tissue engineering approaches  
MHH-Signatur: D 81395

Philipp, Friederike (Dr. rer. nat. M.Sc.): Characterization of hematopoietic stem and progenitor cells generated by teratoma formation with human induced pluripotent stem cells  
MHH-Signatur: D 81394

Ríos Camacho, Julio César (PhD M.Sc.): Development of biocompatible matrices for stem cell-derived bioartificial cardiac tissue for reconstructive therapy  
MHH-Signatur: D 81657

Saint-Marc, Clémence (PhD M.Sc.): Exposure to xenoantigen-deprived decellularized matrices: an *in vitro* analysis of cellular responses  
MHH-Signatur: D 81676

Suresh, Sinduja (PhD M.Sc.): Improving cell infiltration in electrospun scaffolds for soft tissue engineering  
MHH-Signatur: D 81396

Vásquez Rivera, Andrés (Dr. rer. nat. M.Sc.): Dry preservation of heart valve scaffolds  
MHH-Signatur: D 81298

## **IRTG 1273: Strategien menschlicher Krankheitserreger zur Etablierung akuter und chronischer Infektionen**

### **Promotionen**

Bats, Simon Hendrik (Dr. rer. nat.): Characterization of the CagT4SS proteins CagN and CagM  
MHH-Signatur: D 81441

Selvakumar, Tharini Ashtalakshmi (Dr. rer. nat.): Interferon mediated intestinal epithelial gene expression under homeostatic and inducible conditions  
MHH-Signatur: D 81583

Stüve, Philipp Florenz (Dr. rer. nat. M.Sc. Biomedicine): Novel pathways of immune modulation to control mycobacterial infection  
MHH-Signatur: D 81314

Vashist, Neha (PhD Immunology M.Sc. Immunology): Dissecting innate lymphoid cells and their interaction with virus infected cells to evaluate their potential for immune interventions  
MHH-Signatur: D 81459

## **Klinische Forschergruppe 250: Genetische und zelluläre Mechanismen von Autoimmunerkrankungen**

### **Originalpublikationen**

Ernst D, Westerbergh J, Sogkas G, Jablonka A, Ahrenstorf G, Schmidt RE, Heidecke H, Wallentin L, Riemekasten G, Witte T. Lowered anti-beta1 adrenergic receptor antibody concentrations may have prognostic significance in acute coronary syndrome. *Sci Rep* 2019;9(1):14552

López-Isac E, Acosta-Herrera M, Kerick M, Assassi S, Satpathy AT, Granja J, Mumbach MR, Beretta L, Simeón CP, Carreira P, Ortega-Centeno N, Castellvi I, Bossini-Castillo L, Carmona FD, Orozco G, Hunzelmann N, Distler JHW, Franke A, Lunardi C, Moroncini G, Gabrielli A, de Vries-Bouwstra J, Wijmenga C, Koeleman BPC, Nordin A, Padyukov L, Hoffmann-Vold AM, Lie B, European Scleroderma Groupdagger, Proudman S, Stevens W, Nikpour M, Australian Scleroderma Interest Group (ASIG), Vyse T, Herrick AL, Worthington J, Denton CP, Allanore Y, Brown MA, Radstake TRDJ, Fonseca C, Chang HY, Mayes MD, Martin J. GWAS for systemic sclerosis identifies multiple risk loci and highlights fibrotic and vasculopathy pathways *Nat Commun* 2019;10(1):4955-019-12760-y

Sogkas G, Klose K, Baerlecken N, Schweikhard E, Matthias T, Kniesch K, Schmidt RE, Witte T. CD74 is a T cell antigen in spondyloarthritis. *Clin Exp Rheumatol* 2020;38(2):195-202

Witte T. Sjögren-Syndrom. *Z Rheumatol* 2019;78(6):511-517

## **Klinische Forschergruppe 311: (Prä-)terminales Herz- und Lungenversagen: Mechanische Entlastung und Reparatur**

### **Originalpublikationen**

Bascurana P, Hess A, Borchert T, Wang Y, Wollert KC, Bengel FM, Thackeray JT. (11)C-Methionine PET Identifies Astroglia Involvement in Heart-Brain Inflammation Networking after Acute Myocardial Infarction. *J Nucl Med* 2020;61(7):977-980

Bogaard HJ, Legchenko E, Ackermann M, Kühnel MP, Jonigk DD, Chaudhary KR, Sun X, Stewart DJ, Hansmann G. Reply to: Early Disruption of VEGF Receptor Signalling and the Risk for Adult Emphysema *Am J Respir Crit Care Med* 2020;201(5):621-624

Bogaard HJ, Legchenko E, Chaudhary KR, Sun XQ, Stewart DJ, Hansmann G. Emphysema Is-at the Most-Only a Mild Phenotype in the Sugen/Hypoxia Rat Model of Pulmonary Arterial Hypertension *Am J Respir Crit Care Med* 2019;200(11):1447-1450

Borchert T, Beitar L, Langer LBN, Polyak A, Wester HJ, Ross TL, Hilfiker-Kleiner D, Bengel FM, Thackeray JT. Dissecting the target leukocyte subpopulations of clinically relevant inflammation radiopharmaceuticals. *J Nucl Cardiol* 2019

Calvier L, Boucher P, Herz J, Hansmann G. LRP1 Deficiency in Vascular SMC Leads to Pulmonary Arterial Hypertension That Is Reversed by PPARgamma Activation *Circ Res* 2019;124(12):1778-1785

Calvier L, Chouvarine P, Legchenko E, Kokeny G, Mozes MM, Hansmann G. Chronic TGF-beta1 Signaling in Pulmonary Arterial Hypertension Induces Sustained Canonical Smad3 Pathways in Vascular Smooth Muscle Cells *Am J Respir Cell Mol Biol* 2019;61(1):121-123

Chouvarine P, Geldner J, Giagnorio R, Legchenko E, Bertram H, Hansmann G. Trans-Right-Ventricle and Transpulmonary MicroRNA Gradients in Human Pulmonary Arterial Hypertension. *Pediatr Crit Care Med* 2019

Chouvarine P, Legchenko E, Geldner J, Riehle C, Hansmann G. Hypoxia drives cardiac miRNAs and inflammation in the right and left ventricle *J Mol Med (Berl)* 2019;97(10):1427-1438

Glasenapp A, Derlin K, Wang Y, Bankstahl M, Meier M, Wollert KC, Bengel FM, Thackeray JT. Multimodality Imaging of Inflammation and Ventricular Remodeling in Pressure Overload Heart Failure. *J Nucl Med* 2020;61(4):590-596

Hess A, Nekolla SG, Meier M, Bengel FM, Thackeray JT. Accuracy of cardiac functional parameters measured from gated radionuclide myocardial perfusion imaging in mice. *J Nucl Cardiol* 2020;27(4):1317-1327

Moulig V, Pfeffer TJ, Ricke-Hoch M, Schlothauer S, Koenig T, Schwab J, Berliner D, Pfister R, Michels G, Haghikia A, Falk CS, Duncker D, Veltmann C, Hilfiker-Kleiner D, Bauersachs J. Long-term follow-up in peripartum cardiomyopathy patients with contemporary treatment: low mortality, high cardiac recovery, but significant cardiovascular co-morbidities *Eur J Heart Fail* 2019;21(12):1534-1542

Németh A, Mózes MM, Calvier L, Hansmann G, Kokény G. The PPARgamma agonist pioglitazone prevents TGF-beta induced renal fibrosis by repressing EGR-1 and STAT3 *BMC Nephrol* 2019;20(1):245

Pietzsch S, Ricke-Hoch M, Stapel B, Hilfiker-Kleiner D. Modulation of cardiac AKT and STAT3 signalling in preclinical cancer models and their impact on the heart *Biochim Biophys Acta Mol Cell Res* 2020;1867(3):118519

Ricke-Hoch M, Hoes MF, Pfeffer TJ, Schlothauer S, Nonhoff J, Haidari S, Bomer N, Scherr M, Stapel B, Stelling E, Kiyan Y, Falk C, Haghikia A, Binah O, Arany Z, Thum T, Bauersachs J, van der Meer P, Hilfiker-Kleiner D. In peripartum cardiomyopathy Plasminogen Activator Inhibitor-1 is a potential new biomarker with controversial roles *Cardiovasc Res* 2020;116(11):1875-1886

Sahabian A, Sgiodda M, Naujok O, Dettmer R, Dahlmann J, Manstein F, Cantz T, Zweigerdt R, Martin U, Olmer R. Chemically-Defined, Xeno-Free, Scalable Production of hPSC-Derived Definitive Endoderm Aggregates with Multi-Lineage Differentiation Potential Cells *2019;8(12):E1571*

Seeliger B, Stahl K, Schenk H, Schmidt JJ, Wiesner O, Welte T, Kuehn C, Bauersachs J, Hoeper MM, David S. Extracorporeal membrane oxygenation for severe ARDS due to immune diffuse alveolar hemorrhage: a retrospective observational study. *Chest* 2020;157(3):744-747

### Übersichtsarbeiten

Bauersachs J, König T, van der Meer P, Petrie MC, Hilfiker-Kleiner D, Mbakwem A, Hamdan R, Jackson AM, Forsyth P, de Boer RA, Mueller C, Lyon AR, Lund LH, Piepoli MF, Heymans S, Chioncel O, Anker SD, Ponikowski P, Seferovic PM, Johnson MR, Mebazaa A, Sliwa K. Pathophysiology, diagnosis and management of peripartum cardiomyopathy: a position statement from the Heart Failure Association of the European Society of Cardiology Study Group on peripartum cardiomyopathy *Eur J Heart Fail* 2019;21(7):827-843

de Boer RA, De Keulenaer G, Bauersachs J, Brutsaert D, Cleland JG, Diez J, Du XJ, Ford P, Heinzel FR, Lipson KE, McDonagh T, Lopez-Andres N, Lunde IG, Lyon AR, Pollesello P, Prasad SK, Tocchetti CG, Mayr M, Sluijter JPG, Thum T, Tschöpe C, Zannad F, Zimmermann WH, Ruschitzka F, Filippatos G, Lindsey ML, Maack C, Heymans S. Towards better definition, quantification and treatment of fibrosis in heart failure. A scientific roadmap by the Committee of Translational Research of the Heart Failure Association (HFA) of the European Society of Cardiology *Eur J Heart Fail* 2019;21(3):272-285

Hess A, Thackeray JT, Wollert KC, Bengel FM. Radionuclide Image-Guided Repair of the Heart. *JACC Cardiovasc Imaging* 2019

Thackeray JT. Imaging the Molecular Footprints of the Heart-Brain Axis in Cardiovascular Disease *J Nucl Med* 2019;60(6):728-729

### Letter

Stahl K, Schenk H, Seeliger B, Wiesner O, Schmidt JJ, Bauersachs J, Welte T, Kühn C, Haverich A, Hoeper MM, David S. Extracorporeal membrane oxygenation for acute respiratory distress syndrome due to Pneumocystis pneumonia *Eur Respir J* 2019;54(3)

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#### Comments

Hansmann G, Calvier L, Risbano MG, Chan SY. Activation of The Metabolic Master Regulator PPARgamma - A Potential PIOneering Therapy for Pulmonary Arterial Hypertension Am J Respir Cell Mol Biol 2020;62(2):143-156

#### Editorials

Kempf T, Wollert KC. Iron and atherosclerosis: too much of a good thing can be bad Eur Heart J 2020;41(28):2696-2698

Thackeray JT, Bascunana P. New Tricks for an Aging Dog. Circ Cardiovasc Imaging 2019;12(7):e009452

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#### Promotionen

De, Adim (PhD Biomedical Engineering M.Sc.): Development of endothelialisation methods & *in vitro* testing systems for vascular stents  
MHH-Signatur: D 81292

Koppen, Tim (Dr. med.): TIMP3 is regulated by pericytes upon shear stress detection leading to a modified endothelial cell response  
MHH-Signatur: D 81455

## REBIRTH

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## Übersichtsarbeiten

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Thackeray JT. Imaging the Molecular Footprints of the Heart-Brain Axis in Cardiovascular Disease *J Nucl Med* 2019;60(6):728-729

## Letter

Eigendorf J, Melk A, Haufe S, Boethig D, Berliner D, Kerling A, Kueck M, Stenner H, Bara C, Stiesch M, Schippert C, Hilfiker A, Falk C, Bauersachs J, Thum T, Lichtenhagen R, Haverich A, Hilfiker-Kleiner D, Tegtbü U. Effects of personalized endurance training on cellular age and vascular function in middle-aged sedentary women. *Eur J Prev Cardiol* 2019;13:2047487319849505

Schneider JP, Wrede C, Hegermann J, Weibel ER, Mühlfeld C, Ochs M. On the Topological Complexity of Human Alveolar Epithelial Type 1 Cells *Am J Respir Crit Care Med* 2019;199(9):1153-1156

## Editorials

Thackeray JT, Bascunana P. New Tricks for an Aging Dog. *Circ Cardiovasc Imaging* 2019;12(7):e009452

## Promotionen

Cirksena, Karsten (Dr. rer. nat. M.Sc.): Generation and functional characterisation of C-mannosyltransferase-deficient human induced pluripotent stem cells  
MHH-Signatur: D 81654

Coffee, Michelle (PhD Tissue Engineering M.Sc.): Higher throughput production of 3D cardiac microtissues for characterisation and in vitro application  
MHH-Signatur: D 81871

Goecke, Tobias (PhD MD): Immunological analysis of xenoantigen-reduced matrices suited for tissue engineering in animal models  
MHH-Signatur: D 81653

Halloon, Caroline (PhD Bioprocess Engineering Dipl. Bioeng.): Large scale human pluripotent stem cell differentiation into human cardio-myocytes in bioreactors  
MHH-Signatur: D 81872

Malysheva, Svitlana (Dr. rer. nat. M.Sc.): Utilisation of human induced pluripotent stem cells for investigation of potential immunoinhibitory properties of trophoblasts  
MHH-Signatur: D 81655

Ríos Camacho, Julio César (PhD M.Sc.): Development of biocompatible matrices for stem cell-derived bioartificial cardiac tissue for reconstructive therapy  
MHH-Signatur: D 81657

Saint-Marc, Clémence (PhD M.Sc.): Exposure to xenoantigen-deprived decellularized matrices: an *in vitro* analysis of cellular responses  
MHH-Signatur: D 81676

## SFB 738: Optimierung konventioneller und innovativer Transplantate

### Originalpublikationen

Baisantry A, Berkenkamp B, Rong S, Bhayadia R, Sorensen-Zender I, Schmitt R, Melk A. Time-dependent p53 inhibition determines senescence attenuation and long-term outcome after renal ischemia-reperfusion. Am J Physiol Renal Physiol 2019;316(6):F1124-F1132

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Eckert N, Permanyer M, Yu K, Werth K, Förster R. Chemokines and other mediators in the development and functional organization of lymph nodes Immunol Rev 2019;289(1):62-83

### Letter

Odak I, Raha S, Schultze-Florey C, Tavil S, Ravens S, Ganser A, Förster R, Prinz I, Koenecke C. Focusing of the regulatory T-cell repertoire after allogeneic stem cell transplantation indicates protection from graft-versus-host disease Haematologica 2019;104(12):e577-e580

## SFB 900: Chronische Infektionen: Mikrobielle Persistenz und ihre Kontrolle

### Originalpublikationen

Aho V, Mäntylä E, Ekman A, Hakanen S, Mattola S, Chen JH, Weinhardt V, Ruokolainen V, Sodeik B, Larabell C, Vihtinen-Ranta M. Quantitative Microscopy Reveals Stepwise Alteration of Chromatin Structure during Herpesvirus Infection Viruses 2019;11(10):E935

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#### Originalpublikationen

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## Zentrale Forschungseinrichtung: Massenspektrometrische Proteinanalytik

### Originalpublikationen

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## Zentrale Forschungseinrichtung: Transcriptomics

### Originalpublikation

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Aviv G, Cornelius A, Davidovich M, Cohen H, Suwandi A, Galeev A, Steck N, Azriel S, Rokney A, Valinsky L, Rahav G, Grassl GA, Gal-Mor O. The emerging *Salmonella* Infantis expresses lower levels of SPI-1 genes and causes milder colitis in mice and lower rates of invasive disease in humans than *Salmonella* Typhimurium. *J Infect Dis* 2019;220(6):1071-1081

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Wunschel EJ, Seeger K, Graßl GA. Understanding the human-restricted host tropism of typhoidal *Salmonella*. Gordon Research Conference: Microbial Adhesion and Signal Transduction, 21.-26.07.2019, Newport/USA

### **Vorträge**

Wunschel EJ, Seeger K, Graßl GA. Comparative studies of typhoidal and non-typhoidal *Salmonella* infections in the epithelial crypt organoid model. SalHostTrop Infect-Era Consortium Meeting, 09.-11.09.2019, Tel Aviv (Israel)

### **Promotionen**

Aregay, Amare Gebrehiwot (PhD M.Sc.): Impact of sustained hepatitis C virus clearance on HCV-specific CD8+ T cell responses and global cellular immunity during chronic hepatitis C

MHH-Signatur: D 81433

Dhingra, Akshay (Dr. rer. nat. Virology M.Sc.): Evolution and genetic diversity of DNA viruses in immunocompetent and immunocompromised hosts

MHH-Signatur: D 81442

Eckert, Nadine (Dr. rer. nat. M.Sc. Molecular Medicine): The role of the Atypical Chemokine Receptor 4 (ACKR4) in intestinal immunity

MHH-Signatur: D 81422

Franz, Sergej (Dr. rer. nat. M.Sc.): Cellular and pharmacological inhibition of enveloped virus entry

MHH-Signatur: D 81273

Hickford Martínez, Ana-Aquilina (PhD): Cytosolic host factors interacting with capsids of herpes simplex virus type 1

MHH-Signatur: D 81771

Kutle, Ivana (Dr. rer. nat. M.Sc. Molecular Biology): The mouse cytomegalovirus M25 proteins induce cytoskeletal rearrangements and modulate activity of the host factor p53

MHH-Signatur: D 81473

Nahrevanian, Shahab (Dr. rer. nat. M.Sc. Molecular Biology): Screening and characterization of novel chemical compounds inhibiting cytomegalovirus infection

MHH-Signatur: D 81302

Pienkowska, Katarzyna (PhD Bioinformatics M.Sc. Biotechnology): Airway microbial metagenomics

MHH-Signatur: D 81284

Raud, Brenda (PhD Immunology): The role of fatty acid metabolism in the development of CD4+ T cell responses

MHH-Signatur: D 81311

Ribeiro Pereira Nogueira, Sara Isabel (PhD Immunology): Homing of B cells via afferent lymphatics

MHH-Signatur: D 81274

Schirdewahn, Thomas (Dr. rer. nat. M.Sc. Microbiology): The role of NK cells and T cells in the pathogenesis of hepatitis delta

MHH-Signatur: D 81277

Soon, Chai Fen (PhD M.Sc.): Identification and Characterization of HLA-A2-restricted CD8+ T cells against Hepatitis E Virus (HEV) for development of T cell-based therapy against chronic Hepatitis E

MHH-Signatur: D 81431

Villalvazo Guerrero, Julio César (PhD Virology M.Sc. Biology): Identification of small chemical compounds blocking tegumentation and assembly of herpes simplex virus  
MHH-Signatur: D 81764

Wilharm, Anneke (Dr. rer. nat. M.Sc.Biomedicine): Elucidating tissue-specific functions of pre-activated  $\gamma\delta$  T cell subsets in mice  
MHH-Signatur: D 81451

Zapatero Belinchón, Francisco José (PhD M.Sc. Infection Biology): Study of filovirus-resistant SH-SY5Y cells reveals promiscuous usage of diverse cell surface factors during filovirus cell entry  
MHH-Signatur: D 81601

## Hannover Unified Biobank (HUB) – 9160

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