

## Program

# Joint Symposium and Retreat

Dean's Office for Research and  
Dean's Office for Academic Career Development

## Recognition and Assessment of Research



Hannover Medical School

Hannover, April 8-9<sup>th</sup> 2024

12:00      **Registration**

**Greetings: Research assessment – a tool to recognize individual research performances, achievements, and careers**      **Lecture Hall M**

13:00      **Anette Melk**  
Dean for Academic Career Development  
**Frank Bengel**  
Dean for Research

**Session 1: Challenges of different methodological approaches**      **Lecture Hall M**

In medical research, clinicians and medical scientists are facing a variety of challenges, particularly with regard to the increasing number and continuously developing methodological advances. It is our goal that scientific work and achievements as well as these important methodological steps are recognized, acknowledged and rewarded accordingly. As a first step, it is important to develop an understanding of the diversity of methodological approaches, using the examples of individual research projects by MHH talents.

**Chairs:**      Frank Bengel, Dean for Research  
Natalie Weber, Institute for Molecular and Translational Therapeutic Strategies [IMTTS]

13:15      **Rabia Shahswar** (PRACTIS, HiLF, Dept. of Hematology and Oncology)  
Mechanisms of resistance to therapy in acute myeloid leukemia

13:30      **Cornelia Dewald** (PRACTIS, Inst. for Diagnostic and Interventional Radiology)  
Chemosaturation with percutaneous hepatic perfusion (PHP) as treatment for unresectable primary and secondary hepatic malignoma

13:45      **Shambhabi Chatterjee** (HiLF, Institute for Molecular and Translational Therapeutic Strategies [IMTTS])  
Deciphering the metabolic changes underlying the cardioprotection of telomerase therapy in human cardiomyocytes

14:00      **Dhanya Ramachandran** (HiLF, Gynaecology Research Unit)  
Identification and validation of endometrial cancer susceptibility variants from GWAS meta-analyses

14:15      **Lea F. M. Krey** (PRACTIS, Dept. of Neurology)  
Influence of viral infections on neurodegenerative diseases from the Parkinson's spectrum

14:30      Coffee break

**Parallel: Session 2+3**

**Challenges in different disciplines: From basic research to clinical studies**

The research process - from the idea, conception, preparation and execution of experiments, the analysis of the results up to publication - is affected by different challenges depending on the type of research. Obtaining new insights requires a thorough understanding of the associated tasks and thus administrative, financial, personnel and time efforts. This session is meant to illustrate how individual researchers manage the daily tasks and thus contribute effectively to the scientific discourse, illustrating different research types.

**Session 2:**

**Lecture Hall M**

**Chairs:** Anselm Derda, Dept. of Cardiology & Angiology  
Leonie Greipel, Dept. of Pediatric Renal, Liver and Metabolic Disease

- 15:00 **Sebastian Pantke** (PRACTIS, HiLF, Dept. of Anesthesiology)  
ROS-induced neurodegeneration as a new treatment approach for neuropathic pain –  
The path from the TRP channel to the therapeutic agent
- 15:15 **Georgios Amanakis** (PRACTIS, HiLF, Dept. of Cardiology and Angiology)  
The mode of myocardial cell death following SARS-CoV-2 infection
- 15:30 **Jelte Wieting** (PRACTIS, Dept. of Psychiatry)  
The role of MAGEL2 gene in visuomotor integration in adults with high-functioning autism
- 15:45 **Henri Hupe** (PRACTIS, Dept. of Hematology and Oncology)  
NGS-MRD for risk stratification of AML before allogeneic stem cell transplantation and  
improving MRD monitoring post transplantation
- 16:00 **Timo Meine** (PRACTIS, Dept. of Diagnostic and Interventional Radiology)  
Spleen Volume and Platelet Count in patients with Liver Cirrhosis and Portal Hypertension  
undergoing Transjugular Intrahepatic Portosystemic Shunt insertion

**Session 3:**

**Lecture Hall N**

**Chairs:** Johanna Ernst, Dept. of Neurology  
Jannik Ruwisch, Dept. of Pneumology

- 15:00 **Ahmed Hassan** (ZIB PhD Program, Institute for Immunology)  
Phenotypical characterisation of peptide-specific PLZF+ innatelike T (PILT) cells
- 15:15 **Marc Lindenberg** (HiLF, Institute for Medical Microbiology and Hospital Epidemiology)  
Einfluss bakteriologischer Infektionen auf immunomodulatorische Eigenschaften von 3D  
kultivierten AT-2 Zellen
- 15:30 **Francis Forbi** (Molecular Medicine PhD Program, Dept. of Nephrology and Hypertensive diseases)  
A systematic comparative analysis between sepsis and ischaemia reperfusion acute kidney  
injury mouse models
- 15:45 **Carlos Oltmann** (KlinStrucMed MD Program, Dept. of Gastroenterology, Hepatology, Infectious  
Diseases and Endocrinology)  
Bridging Infection and Oncology – Improved HCC surveillance in chronic hepatitis C
- 16:00 **Burcu Babadag-Savas** (Ina-Pichlmayr-Program, Dept. of Radiotherapy)  
Rhythmic Foot Embrocation According to Wegman/Hauschka© for Alleviating Symptoms of  
Chemotherapy-Induced Peripheral Neuropathy

16:15 Coffee break

17:00 **Welcome and farewell Clinician & Medical Scientists**

**Lecture Hall F**

**Award „Graduate-Scholarship of the Novartis Foundation for Therapeutical Research”**

**Anette Melk**, Dean for Academic Career Development

**Keynote lecture – “Festvortrag”:**

**Lecture Hall F**

**Chairs:** Anette Melk, Dean for Academic Career Development

Frank Bengel, Dean for Research

17:30 – 18:00 **Prof. Dr. Berent Prakken** (Utrecht University, Vice dean of education, Faculty of Medicine)

Possibilities of research assessment beyond metrics – The Utrecht Experience

08:30      **Registration**

**Parallel:      Session 4+5:      One topic – different disciplines and approaches**

An integral feature of science is that researchers with diverse backgrounds contribute to overarching questions. Interdisciplinary work and building of networks are a way to address these questions from different research perspectives. However, working together on one topic requires a basic understanding of the research approaches and the tools involved of the different disciplines. As an example of the diversity of research involved in such topics, our talents will highlight the diversity in cardiovascular and lung research (session 4) as well as therapeutic approaches (session 5).

**Session 4:      Progress in (cardio-)vascular and lung research      Lecture Hall M**

**Chairs:**      Sybille Landwehr-Kenzel, Dept. of Transfusion Medicine and Transplant Engineering  
Samir Sarikouch, Dept. of Cardiac, Thoracic, Transplantation and Vascular Surgery

09:00      **Julian Glandorf** (PRACTIS, Dept. of Diagnostic and Interventional Radiology)  
Non-Contrast Pulse Wave and Perfusion Analysis

09:15      **Nadjib Dastagir** (PRACTIS, HiLF, Dept. of Plastic, Aesthetic, Hand and Reconstructive surgery)  
Notch Signaling as a Regulator of NK cell-mediated vascular remodeling in digit tip regeneration

09:30      **Jan-Christopher Kamp** (PRACTIS, KFO311, Dept. of Respiratory Medicine)  
Prevalence, pathomechanisms and relevance of neoangiogenesis in pulmonary vascular diseases

09:45      **Maren Heimerl** (HiLF, Dept. of Cardiology and Angiology)  
The role of motor protein myosin-5b in GLUT-4-dependent cardiac transport processes under cancer disease and therapies

10:00      **Da-Hee Park** (DZL, Pneumology)  
tba

**Session 5:      Progress in therapeutic approaches      Lecture Hall N**

**Chairs:**      Tabea Fricke, Dept. of Anesthesiology  
Markus AbelN, Dept. of Clinical Biochemistry

09:00      **Leonard Knegendorf** (HiLF, Institute for Medical Microbiology and Hospital Epidemiology)  
Correlation of Klebsiella sp. pathogenicity with circulating virulence plasmids and resistance to tellurite

09:15      **Christian Schultze-Florey** (HiLF, Klinik für Hämatologie, Hämostaseologie, Onkologie und Stammzelltransplantation)  
In-depth immunophenotyping for response assessment in patients treated with donor lymphocyte infusion or CD19 CAR T-cell therapy.

09:30      **Katharina Schütz** (Ina-Pichlmayr-Programm, Clinic of Pediatric Pneumology, Allergology and Neonatology)  
Pediatric community-acquired pneumonia without antibiotic treatment – Data from the pedCAPNetz Study Group

09:45      **Sophie Wegener** (HiLF, Dept. of Nuclear Medicine)  
Evaluation of <sup>68</sup>Ga-DMALTO as specific radiotracer for bacterial infections and for monitoring antibiotic therapies

10:15 Coffee break

## Session 6: Challenges at different career levels

Lecture Hall M

Researchers vary in their needs, regarding support structures and requirements depending on their career phase. At the early stages, the focus is more on supervision, instruction and training. As researchers progress towards scientific independence, their day-to-day tasks and responsibilities will change. For a research career, one should establish networks, have personal and financial responsibility for the research projects and for participating scientists. In this session, researchers will not only introduce their research findings, but also highlight which specific demands, needs and tasks are of particular importance to them in their current career phase and how these tasks are currently recognized.

**Chairs:** Martina de Zwaan, Department of Psychosomatic Medicine and Psychotherapy  
Franz Konen, Dept. of Neurology

10:45 **Tim Ubenauf** (KlinStrucMed MD Programm, Dept. of Pediatric Kidney, Liver and Metabolic Diseases)  
Characterization of Cardiac Remodelling in Young Kidney Transplant Recipients using Cardiac MRI and Echocardiography.

11:00 **Miriam Wiestler** (PRACTIS, HiLF, Dept. of Gastroenterology, Hepatology, Infectiology and Endocrinology)  
The „SIGMOID“ Study – A prospective observational study evaluating predictive biomarkers for therapy-response in patients with inflammatory bowel disease

11:15 **Agnes Bonifacius** (nextGENERATION, HiLF, Ellen-Schmidt Institute for Transfusion Medicine and Transplant Engineering)  
Gene-engineered T cells for the treatment of CMV-associated complications in lung transplant recipients

11:30 **Muhammad Imran Rahim** (ALLEGRO, Dept. of Prosthetic Dentistry and Biomedical)  
Synthesis of Novel Biofilm-repellent and Osteoimmunomodulatory Commensal Hybrid Materials (CHMs) for Individualized Medicine

11:45 **Gerrit Große** (PRACTIS, Dept. of Neurology) **Award**  
Identification of new biomarkers for individualised stroke diagnostics

12:00 Lunch break and poster session

## Poster session: Guided Poster tours at selected posters

When researchers plan their careers, they face a number of challenges related to their particular specialization, research field, collaborative activity. This poster session allows for an active dialog between researchers at various career stages and within different disciplines.

Only those, who know other researchers, know whom to ask for help and support. Only those, who are known and recognized for their research (e.g. by poster presentation, will be rewarded by other researchers by request for their professional expertise.

12:30            **Selected poster tours**

13:00            **Selected poster tours**

13:30            **Selected poster tours**

Further information will be available at the registration desk

## Parallel:      **Workshops 1-3**

### **How can different contributions be recognized to reform research assessment?**

#### **Workshop 1:            Contributions to science and society**

**Lecture Hall M**

**Chairs:**            Daphne DeTemple, Dept. of General, Visceral and Transplantation Surgery  
Felix Polten, Department of Cardiology and Angiology

14:15 – 15:15    **Discussions addressing:**

Which contributions have to be addressed?  
How can one raise awareness?

#### **Workshop 2:            Contributions to peer-review, teamwork, and cooperations**

**Lecture Hall N**

**Chairs:**            Lisa Sandmann, Dept. of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology  
Jonas Schupp, Dept. of Pneumology

14:15 – 15:15    **Discussions addressing:**

Which contributions have to be addressed?  
How can one raise awareness?

#### **Workshop 3:            Contributions to teaching, leadership, supervision, training and mentoring**

**Lecture Hall H**

**Chairs:**            Helenie Kefalakes, Dept. of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology  
Benjamin Heidrich, Dept. of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology

14:15 – 15:15    **Discussions addressing:**

Which contributions have to be addressed?  
How can one raise awareness?

15:15 Coffee break

### Parallel: Session 7+8:

#### Combining research with clinics and/or teaching and my other tasks

Each researcher has a wide range of work tasks in addition to their research projects. These range from teaching responsibilities to clinical obligation. Additional tasks also include administrative tasks, responsibilities for instructing, guiding and supporting colleagues, planning and organizing meetings, offering facilities and services, etc.

Every department or even every researcher is assigned to specific task and thus has a multifaceted role that affects their research development, recognition, opportunities for collaboration and performance capabilities. In order to be able to discuss how to recognize the contribution of different types of researchers in workshops, the talents of this session outline their respective challenges, not only related to their research projects.

#### Session 7:

Lecture Hall M

**Chairs:** Johanna Diekmann, Dept. of Nuclear Medicine  
Stevan Stojanovic, Dept. of Cardiology and Angiology

15:45 **Jasmin Hanke** (CORE100Pilot, Dept. of Cardiac, Thoracic, Transplantation and Vascular Surgery)  
With or without pulse? That is the question!

16:00 **Mariel Nöhre** (Ellen-Schmidt-Programm, Department of Psychosomatic Medicine and Psychotherapy)  
Psychosomatic Aspects in Organ Transplantation

16:15 **Paula Schaefer-Dreyer** (JuniorPRACTIS, Dept. for Prosthetic Dentistry and Biomedical Materials Science)  
Microbial signatures of peri-implant mucositis and peri-implantitis; a paired cohort study

16:30 **Alexandra Koch** (HiLF, Institute for Cellular Biochemistry)  
Establishing a robust three-dimensional multi-lineage co-culture system to study cellular interactions between cancer cells and the non-transformed microenvironment

#### Session 8:

Lecture Hall N

**Chairs:** Josephine Labus, Cellular Neurophysiology, Center of Physiology  
Nico Lachmann, Clinic for Pediatric Pneumology, Allergology and Neonatology

15:45 **Lea Grote-Levi** (PRACTIS, Dept. of Neurology)  
Virus-specific T-cell therapy for progressive multifocal leukoencephalopathy: Who benefits and how does it work

16:00 **Katharina Nikutta** (Ina-Pichlmayr-Program, Department of Prosthetic Dentistry and Biomedical Materials Science)  
Biophysical microbe-material-interactions as basis for antibacterial implants

16:15 **Franziska Müller** (HiLF, Institute for Neurophysiology)  
The effects of systemic inflammatory processes associated with myocardial infarction on astrocytes of the central nervous system

16:30 **Svea Kleiner** (PRACTIS, Dept. of Pediatric Cardiology)  
Perioperative inflammation in pediatric cardiac surgery and the maturing immune system: implications for an individualized HLM strategy



16:45 Coffee break

## Summary and Discussion

Lecture Hall M

How should MHH qualitatively assess, recognize and reward researchers for their research contribution. The goal of this symposium is to explore and illustrate the diversity of research, researchers and their respective roles, recognition and values.

The symposium meant to highlight the challenges of

- ... different methodological approaches,
- ... the variety of disciplines - from basic science to clinical studies,
- ... combined research activities investigated from multiple perspectives,
- ... the demands inherent to career stages and
- ... the broad spectrum of additional tasks.

The keynote lecture presented an example on a different approach to research assessment (the Utrecht experience). The final discussion shall give impulses for MHH's future activities towards a qualitative research assessment.

**Chairs:** Frank Bengel, Dean for Research  
Anette Melk, Dean for Academic Career Development

17:00 – 18:00 **Short statements of workshop results and open discussion**

Daphne DeTemple, Felix Polten (Workshop 1)  
Lisa Sandmann, Jonas Schupp (Workshop 2)  
Helenie Kefalakes, Benjamin Heidrich (Workshop 3)