

Program

Joint Symposium and Retreat

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

Science Communication



Hannover Medical School

Hannover, March 17-18 2025

Dean's Office for Academic Career Development

Junior PRACTIS – DFG funded SFB/TRR 298 (SIIRI)
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Program

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Program

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Leader Program

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Dean's Office for Research

HiLF I – Hochschulinterne Leistungsförderung I

HiLF II – Hochschulinterne Leistungsförderung II

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12:00 **Registration**

Greetings: Challenges and opportunities in science communications **Lecture Hall M**

13:00 **Frank Bengel**, Dean for Research
Leonie Greipel, Dept. of Pediatric Kidney, Liver, Metabolic and Neurological Diseases
 Chair, Communication with Professional Societies
Georgios Amanakis, Dept. of Cardiology and Angiology
 Chair, Communication with Patients
Timo C. Meine, Dept. of Diagnostic and Interventional Radiology
 Chair, Communication with Society and Politics

Session 1: Variety in science communication **Lecture Hall M**

This session begins with presentations on the latest scientific findings, followed by discussions on the diverse methods and media used in science communication. Speakers will highlight innovative strategies for conveying complex research to varied audiences and improving public engagement.

Chairs: Frank Bengel, Dean for Research
 Franziska Müller, Dept. of Cellular Neurophysiology

13:15-13:30 **Sina Dornbusch** (DigiStrucMed, Dept. of Diagnostic and Interventional Radiology)
 Hepatobiliary phase MRI as a long-term prognostic biomarker in patients with primary sclerosing cholangitis (PSC)

13:30-13:45 **Jannik Ruwisch** (PRACTIS, DZL, Dept. of Respiratory and Infectious Medicine)
 Multidimensional phenotyping of the fibro-epithelial niche in fibrotic lung diseases

13:45-14:00 **Franz Felix Konen** (PRACTIS, HiLF, Dept. of Neurology)
 Multiple sclerosis – new markers for diagnosis and prognosis

14:00-14:15 **Natalie Weber** (nextGENERATION, HiLF, Inst. of Molecular and Translational Therapeutic Strategies)
 Transcriptional and functional analyses of the myosin inhibitor Mavacamten in multiple porcine and human myocardial models with hypertrophic cardiomyopathy

14:15-14:30 **Nishanth Gopala Krishna** (HiLF, Inst. for Medical Microbiology and Hospital Epidemiology)
 Macrophage-specific function of the cold shock protein Ybx-1 in infectious diseases

14:30-15:00 Coffee break

Parallel: Workshops 1-3
Benefits, challenges and solutions in different forms of science communication

Workshop 1: Patient & public involvement (PPI) **Lecture Hall M**

This workshop focuses on effectively communicating essential information to patients. Discussions will explore how to better involve patients to address their information needs and to improve understanding and support.

15:00-16:15
 Chairs: Georgios Amanakis, Dept. of Cardiology and Angiology
 Mariel Nöhre, Dept. of Psychosomatic Medicine and Psychotherapy

Workshop 2: Communication with professional societies **Lecture Hall N**

This workshop explores the benefits of engaging with professional societies and how to access their resources. Participants will discuss strategies for networking and accessing opportunities offered by these organizations.

15:00-16:15

Chairs: Leonie Greipel, Dept. of Pediatric Kidney, Liver, Metabolic and Neurological Diseases
Janis Casper, Dept. of Nephrology and Hypertension

Workshop 3: Communication with society and politics **Lecture Hall H**

This workshop examines successful approaches to engage the public and politicians with science. Participants will explore effective strategies, target audience considerations, and the role of digital self-promotion in impactful communication.

15:00-16:15

Chairs: Timo Meine, Dept. of Diagnostic and Interventional Radiology
Julian Glandorf, Dept. of Diagnostic and Interventional Radiology

16:15 – 16:45 Coffee break

Keynote lecture – Clinician Scientist as Science Slammer **Lecture Hall M**

Chair: Jannik Ruwisch, Dept. of Respiratory and Infectious Medicine

16:45-17:15 **Science Slam**
Tim Hollstein (University of Kiel, Dept. of Internal Medicine 1)
The cake paradox

08:30 **Registration****Session 2: Patient communication****Lecture Hall M**

Presenters will first share their scientific discoveries and insights before focusing on effective patient communication techniques. This session addresses how to translate complex research into accessible information that resonates with the intended audience, fostering trust and understanding within patient communities.

Chairs: Agnes Bonifacius, Inst. of Transfusion Medicine and Transplant Engineering
Miriam Wiestler, Dept. of Gastroenterology, Hepatology, Infectious Diseases & Endocrinology

09:00-09:15 **Neele Brümmer** (JuniorPRACTIS, Dept. of Prosthetic Dentistry and Biomedical Materials Science)
Influence of different pH environments and anti-inflammatory solutions on the adhesive bond strength to an ultrafine grained niobium alloy for dental implants

09:15-09:30 **Stevan Stojanović** (PRACTIS, HiLF, Dept. of Cardiology and Angiology)
Identification of anti-senescence therapeutics for the treatment of cardiac fibrosis

09:30-09:45 **Nora Nevermann** (PRACTIS, Dept. of General, Visceral and Transplantation Surgery)
Precision-cut liver slices as an ex vivo model for mixed liver tissue-lymphatic cell cultures

09:45-10:00 **Christian Niehaus** (HiLF, Dept. of Gastroenterology, Hepatology, Infectious Diseases & Endocrinology)
Mucosal-associated invariant T cells as a potential target for immune intervention strategies in patients with decompensated liver cirrhosis and spontaneous bacterial peritonitis

10:00-10:15 **Maria M. Gabriel** (Ellen Schmidt Program, Dept. of Neurology)
Stroke independent neurodegeneration in severe heart failure patients with and without LVAD therapy– a [18F]-FDG-PET/CT based brain metabolism study

10:15-10:45 Coffee break

Session 3: Communication with professional societies**Lecture Hall M**

The session opens with presentations of cutting-edge research transitioning into discussions on the role of professional societies in knowledge exchange. Speakers will explore best practices for engaging with these organizations and maximizing their networking opportunities.

Chairs: Annika Heß, Dept. of Nuclear Medicine
Janis Casper, Dept. of Nephrology and Hypertension

10:45-11:00 **Tabea C. Fricke** (PRACTIS, HiLF, Dept. of Anesthesiology)
Characterization of human TRPV2 and the molecular mechanism for species-specific differences in the TRPV2 ion channel

11:00-11:15 **Florian Helms** (HiLF, Dept. of Cardiothoracic-, Transplantation-, and Vascular Surgery)
Establishment of an arteriovenous perfusion system for the generation of vascularized implants

11:15-11:30 **Svea Kleiner** (PRACTIS, Dept. of Pediatric Cardiology)
Perioperative inflammation in pediatric cardiac surgery and the maturing immune system: implications for an individualized HLM strategy

- 11:30-11:45 **Da-Hee Park** (PRACTIS, DZL, Dept. of Respiratory and Infectious Medicine)
Endothelial to mesenchymal transition (Endo-MT) and epithelial to mesenchymal transition (EMT) in the human lung – characterization and differentiation

Lunch break with guided poster tours

Lecture Hall M

This interactive poster session offers guided tours through the latest scientific projects of our fellows, providing an opportunity for in-depth discussion. Each presenter will include a brief statement on their experiences and insights in science communication, fostering exchange on effective communication strategies in research.

11:45-14:30

Session 4: Communication with society and politics

Lecture Hall M

This session begins with an overview of recent scientific results and progresses to strategies for engaging policymakers and the public. Topics include approaches to influence policy, increase societal awareness, and foster appreciation for scientific progress.

Chairs: Anette Melk, Dean for Academic Career Development
Christopher Hinze, Dept. of Respiratory and Infectious Medicine

- 14:30-14:45 **Johannes Greve** (PREPARE, HILF, Inst. for Biophysical Chemistry)
Mechanistic investigation of cytoskeletal actin dynamics under physiological and pathological conditions using *in vitro* reconstitution
- 14:45-15:00 **Lisa Sandmann** (PRACTIS, HILF, Dept. of Gastroenterology, Hepatology, Infectious Diseases & Endocrinology)
Individual therapies for chronic hepatitis D virus infection
- 15:00-15:15 **Jan-Christopher Kamp** (PRACTIS, KFO311, Dept. of Respiratory and Infectious Medicine)
Prevalence, pathomechanisms and relevance of neoangiogenesis in pulmonary vascular diseases

Farewell, Welcome and Awards

15:15-16:00

Farewell of Clinician Scientists
Anette Melk, Dean for Academic Career Development

Award “Scholarship for Therapeutic Research”
funded by the Novartis Foundation and PRACTIS – Clinician Scientist Program
Denise Hilfiker-Kleiner, President of Medical School Hannover

Welcome of Medical & Clinician Scientists
Anette Melk, Dean for Academic Career Development

Clinician Scientist Fellowship funded by ‘Kurt-Alten-Stiftung’
Ulrich von Jeinsen, Chairman of ‘Kurt-Alten-Stiftung’

Keynote lecture – Perspectives from social media and politics

Chair: Nico Lachmann, Dept. of Pediatric Pneumology, Allergology and Neonatology

16:00 – 16:15 **Wissenschaftskommunikation**

Amelie Reigl "@dieWissenschaftlerin" (Fraunhofer Institute for Silicate Research ISC, Würzburg)
Beyond the lab: the power of sharing your science

16:15-16:30 Coffee break

Panel discussion

Lecture Hall M

In this closing session, workshop outcomes will be synthesized and discussed. The panel will revisit key themes from the retreat, exploring how diverse communication strategies can shape the future of science engagement across disciplines, society, and policy.

16:30-17:15 **Anette Melk**, Dean for Academic Career Development

Frank Bengel, Dean for Research

Amelie Reigl "@dieWissenschaftlerin", Fraunhofer Institute for Silicate Research ISC, Würzburg

Leonie Greipel, Dept. of Pediatric Kidney, Liver, Metabolic and Neurological Diseases

Chair, Communication with Professional Societies

Georgios Amanakis, Dept. of Cardiology and Angiology

Chair, Communication with Patients

Timo C. Meine, Dept. of Diagnostic and Interventional Radiology

Chair, Communication with Society and Politics

Closing remarks

17:15 **Anette Melk**, Dean for Academic Career Development

Frank Bengel, Dean for Research

Leonie Greipel, Dept. of Pediatric Kidney, Liver, Metabolic and Neurological Diseases

Chair, Communication with Professional Societies

Georgios Amanakis, Dept. of Cardiology and Angiology

Chair, Communication with Patients

Timo C. Meine, Dept. of Diagnostic and Interventional Radiology

Chair, Communication with Society and Politics