



Online Research Day

"The many facets of talent and
scientific excellence in Freiburg"

13 November 2021

Faculty of Medicine and
Medical Center - University of Freiburg

Programme

Technical notes for the event

Zoom

Participation in the hospital network with business computers without an installed client can be problematic under certain circumstances. In some cases the installation of the client requires administrator rights. You can find the client here: <https://zoom.us/download>. After installation it is sufficient to click on the Zoom link and confirm that Zoom will be started in the browser. Before the event, please make sure that the client is installed and working. Thank you very much.

Organisation Research Day

Faculty of Medicine - Office of the Dean for Research

Research Day Programme Committee

Jun.-Prof. Katrin Kierdorf, Prof. Robert Thimme, Prof. Andreas Vlachos

Please fill in the registration form

<https://www.med.uni-freiburg.de/de/forschung/registration-research-day>



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Albert-Ludwigs-University Freiburg

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Contact Research Day 2021

Faculty of Medicine - Office of the Dean for Research

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Online Research Day

Saturday, 13 November 2021, 09:00h - 15:50h

09:00 - 09:05 **Welcome and opening remarks**

Lutz Hein, Dean of the Faculty of Medicine
Katrin Kierdorf, Representative of the Programme Committee,
Institute of Neuropathology

09:05 - 10:25 **Translational Neurosciences**

Chair: Marlene Bartos (Institute of Physiology)

From the inside out – how neocortex forms memories
Johannes Letzkus (Heisenberg Professor, Institute of Physiology)

Synaptic plasticity – from mice to humans
Maximilian Lenz (Medical Scientist, Institute of Anatomy and Cell Biology)

Spatiotemporal dynamics in the tumor microenvironment of malignant CNS tumors
Dieter Henrick Heiland (Department of Neurosurgery)

Multimodal imaging in Parkinsonian disorders – what advanced imaging methods can bring to the table
Nils Schröter (Clinician Scientist, Berta-Ottenstein Programme, Department of Neurology)

Therapy epigenetics: Epigenetic predictors and signatures of psychotherapy response in anxiety and obsessive-compulsive disorders
Miriam Schiele (Medical Scientist, Department of Psychiatry)

10:25 - 10:45 **- Fitness Break (PausenExpress) and Meet the Speaker -**

10:45 - 12:05 **Immunology and Infectious Diseases**

Chair: Natalie Köhler (Medical Scientist, Department of Medicine I)

Monocyte progenitors as effector cells and biomarkers in chronic infections
Anne Kathrin Löblein (MOTI-VATE, IMM-PACT Clinician Scientist Programme, Institute of Microbiology and Hygiene)

Who is shuffling the deck for the next flu pandemic?
Martin Schwemmler (Department Virology)

CD8+ T cell immunity: From HCV to SARS
Maike Hofmann (Margarete von Wrangell-Programme, Department of Medicine II)

Inflammatory cell recruitment in cardio-vascular disease
Dennis Wolf (Advanced Clinician Scientist, Berta-Ottenstein-Programme, ERC, EKFS-Professorship, Department of Cardiology and Angiology I)

A distinct population of CD4+, CD8+, and double-negative T cells is controlled by FAS
Maria Elena Maccari (EXCEL Programme, Department of Pediatric Hematology and Oncology)

12:05 - 12:50 **- Lunch Break and Meet the Speaker -**

12:50 - 14:25 **Oncology, Genetics and Data Sciences**

Chair: Christian Gratzke (Department of Urology)

Radiotherapy in Prostate Cancer – Towards Precision and Personalized Medicine
Simon Spohn (Clinician Scientist, Berta-Ottenstein Programme, Department of Radiation Oncology)

Epigenetics: From Bench to Bedside
Michael Lübbert (Department of Medicine I)

Apoptosis in human hematopoiesis
Miriam Erlacher (Advanced Clinician Scientist, Berta-Ottenstein-Programme, Department of Pediatric Hematology and Oncology)

Molecular pathogenesis of pancreatic ductal carcinoma
Dietrich Rueß (Advanced Clinician Scientist, Berta-Ottenstein-Programme, Max Eder-Group, Department of General and Visceral Surgery)

Genetic approaches to illuminate human metabolite handling
Pascal Schlosser (Medical Scientist, Institute of Genetic Epidemiology)

Deep learning for single cell data
Harald Binder (Institute of Medical Biometry and Statistics)

14:25 - 14:45 **- Coffee Break and Meet the Speaker -**

14:45 - 14:55 **Introduction to the Keynote lecture**

Lutz Hein, Dean of the Faculty of Medicine

14:55 - 15:15 **Keynote lecture - Structural Immunology: A concept for Excellence 2026**

The Myeloid side of the brain

Marco Prinz, Leibniz Prize winner, Institute of Neuropathology

15:15 - 15:30 **Concluding remarks**

Carola Hunte, Vice-Dean of Research of the Faculty of Medicine

15:30 - 15:50 **- Meet the Speaker -**

