Venue

Großer Hörsaal Medizinische Klinik
Department of Medicine (Nr. 11)
Medical Center - University of Freiburg
Hugstetter Str. 55
79106 Freiburg

Directions
Take the entrance "Medizinische Klinik", pass the information and go to the elevators.
The "Großer Hörsaal Medizinischen Klinik" is on the first floor (1. OG).

Organisation Research Day
Faculty of Medicine - Research Management

Programme Commitee Research Day
Prof. Robert Zeiser and Prof. Marco Prinz

Please fill in the registration form
https://www.med.uni-freiburg.de/de/forschung/registration-research-day

Albert-Ludwigs-University Freiburg

Contact Research Day 2019
Faculty of Medicine - Office of the Dean for Research
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Breisacher Str. 153 - 79110 Freiburg
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Research Day

16 November 2019

Faculty of Medicine and
Medical Center - University of Freiburg

Programme

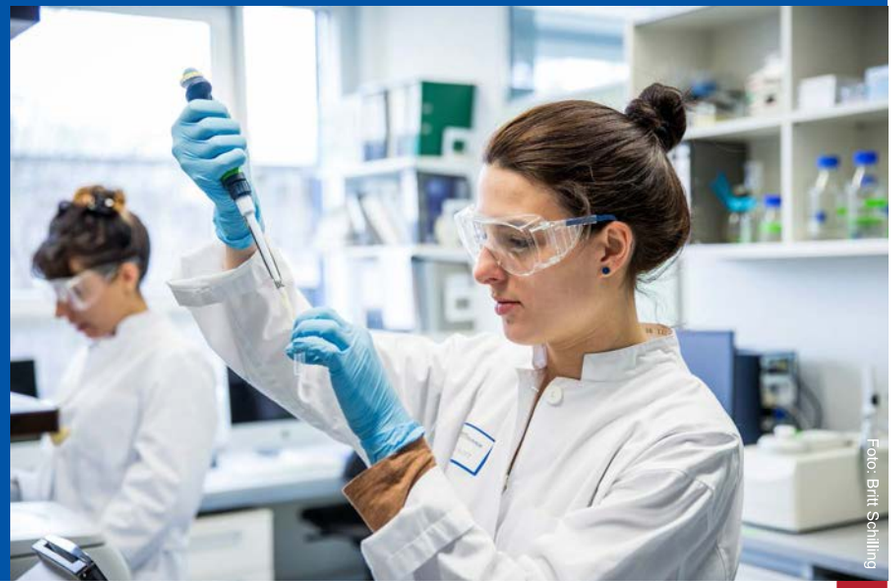

Foto: Britt Schilling

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Research Day

Saturday, **16 November 2019**, 09:00 a.m. - 03:00 p.m.

Großer Hörsaal Innere Medizin, Medical Center - University of Freiburg

09:00 - 09:10 **Welcome and opening remarks**
Carola Hunte, Vice-Dean of Research of the Faculty of Medicine

09:10 - 11:00 **Novel technologies - basic principles and methods**
Chair: Katrin Kierdorf (Institute of Neuropathology)

Modelling early carcinogenesis in colon organoids
Tilmann Brummer (Institute of Molecular Medicine and Cell Research)

Optogenetics
Ilka Diester (Institute of Biology III)

Deciphering organ architecture by single-cell RNA-sequencing
Dominic Grün (Max Planck Institute of Immunobiology and Epigenetics)

Proteomic single-cell analysis of the brain by CyTOF and Multiplexed Ion Beam Imaging
Dunja Mrdjen (Stanford University, Department of Pathology)

Metabolic Imaging with MRI- more than just pictures
Dominik von Elverfeldt (Department of Radiology)

Light sheet fluorescence microscopy
Sebastian Arnold (Department of Experimental and Clinical Pharmacology and Toxicology)

11:00 - 11:30 **- Coffee break -**

11:30 - 12:30 **Application of novel technologies in different disease entities**
Chair: **Petya Apostolova** (Department of Medicine I)

Single cell sorting & RNAseq: Neuro-inflammation and glioblastoma
Roman Sankowski (Institute of Neuropathology)

CyTOF: Profiling of T cell exhaustion
Bertram Bengsch (Department of Medicine II)

Organoids: Patient-derived organoid (PDO) cultures for pancreatic cancer
Uwe Wittel (Department of General and Visceral Surgery)

12:30 - 14:00 **- Lunch and Poster Session -**

14:00 - 14:45 **Keynote**
Nutritional infections and their role in common human cancers
Harald zur Hausen (Winner of the Nobel Prize in Physiology/ Medicine 2008 „for his discovery of human papilloma viruses causing cervical cancer“)

14:45 - 15:00 **Closing remarks and Poster Award Ceremony**
Norbert Südkamp, Dean of the Faculty of Medicine