Research Day „Turning Data-Driven Research into Health Benefits"
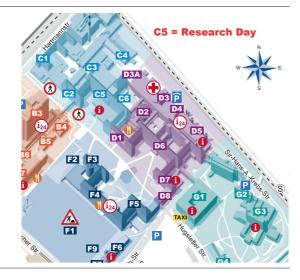

Venue
Großer Hörsaal Medizinische Klinik
Department of Medicine (C 5)
Medical Center – University of Freiburg
Hugstetter Str. 55
79106 Freiburg

C5 = Research Day

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

Organisation Research Day
Faculty of Medicine –
Office of the Dean for Research

Research Day Programme Committee
Prof. Jürgen Beck, Prof. Toni Cathomen, Dr. Katharina Wolf

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

You can find our website here
https://www.med.uni-freiburg.de/de/forschung/Research-Day

Contact
Faculty of Medicine – OfficeoftheDeanfor
Research Dr. Karin Werner
forschungsdekanat@uniklinik-freiburg.de
Breisacher Str. 153
79110 Freiburg
www.med.uni-freiburg.de/de/forschung

universität freiburg

Research Day „Turning Data-Driven Research into Health Benefits"

Friday, 24 November 2023
9:30 a.m. – 4:30 p.m.
Großer Hörsaal Medizinische Klinik

Hugstetter Str. 55, 79106 Freiburg

09:30	Welcome and Opening Remarks Lutz Hein – *Dean of the Faculty of Medicine*
09:35	Introduction to the Keynote Toni Cathomen – Institute for Transfusion Medicine and Gene Therapy
09:40	**Keynote Lecture:** **Responsible AI and Medicine** Silja Vöneky – *Institute of Public Law, Faculty of Law*
10:10	**Session I:** **AI and Digital Transformation – Unlocking the Full Value of Data for Health Care** Chair: Nadine Binder – *Institute for General Practice/Family Medicine*
10:10	**Deep Learning in Medical Imaging:** **Transforming Research and Clinical Service** Fabian Bamberg – *Department of Radiology*
10:30	**The Promise of Machine Learning with Small Data** Harald Binder – *Institute of Medical Biometry and Statistics*
10:50	**Empowering Personalized Healthcare with AI and Smart Data Analyses** Melanie Börries – *Institute of Medical Bioinformatics and Systems Medicine*
11:10	**Machine Learning Approaches for Improved Detection, Prediction and Therapy of Diseases** Joschka Bödecker – *Department of Computer Science, Faculty of Engineering*
11:30	**In the Spotlight:** **New and Extended CRC and CRC/TRR of the Faculty of Medicine** Chair: Lutz Hein – *Dean of the Faculty of Medicine*

CRC 1597 Small Data
Harald Binder – *Institute of Medical Biometry and Statistics*

CRC/TRR 353 Regulation of Cell Death Decisions
Georg Häcker – *Institute of Microbiology and Hygiene*

CRC 1160 Immune-mediated Pathology as a Consequence of Impaired Immune Reactions
Stephan Ehl – *Institute for Immunodeficiency*

CRC 1381 Dynamic Organization of Cellular Protein Machineries
Chris Meisinger – *Institute of Biochemistry and Molecular Biology*

12:00	Lunch and **Poster Session**
13:30	**Session II:** **A View into the Clinic – Turning Data-Driven Research into Health Benefits** Chair: Katharina Wolf – *Department of Neurosurgery*
13:30	**Application Examples to Better Understand Kidney Diseases (CRC 1453)** Anna Köttgen – *Institute of Genetic Epidemiology*
13:50	**CRC Perinatal Immune Development –** **Exploring Birth and its Consequences for a Lifetime** Philipp Henneke – *Institute for Infection Prevention and Control*
14:10	**Revisiting T Cell Exhaustion: Lessons from Chronic Viral Hepatitis** Maike Hofmann – *Department of Medicine II*
14:30	**Deciphering Functions of Natural Killer T Cell Subsets** Kristina Maas-Bauer – *Department of Medicine I*
14:50	Coffee Break and **Poster Session**
15:50	Introduction to the Keynote Jürgen Beck – *Department of Neurosurgery*
15:55	**Keynote Lecture:** **Diamond-Based Quantum Sensing of Human Brain Tissue** Arne Wickenbrock – *Helmholtz Institute Mainz, Matter-Antimatter Asymmetry Section*
16:25	Closing Remarks and **Poster Award Ceremony** Carola Hunte – *Vice-Dean of Research of the Faculty of Medicine*