

Symposium Venue:

Hotel Stadt Freiburg
Breisacher Str. 84
79110 Freiburg



Target Audience:

Researchers of all career stages

Organisation:

Fellows of the IMM-PACT-Programme for Clinician Scientists (Dr. Martin Diebold, Dr. Mirjam Freudenhammer, Dr. Anne Löblein, Dr. Ilinca Popp, Dr. Marius Schwabenland, Dr. Alexander von Ehr, Dr. Oliver Wegehaupt)

IMM-PACT Coordination Office

Registration:

Participation is free of charge. Please register until 1 May 2023 by using the following link: <https://www.imm-pact-symposium-2023.de/registration/>

Contact:

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Funded by



Deutsche
Forschungsgemeinschaft
German Research Foundation



IMM-PACT-Programme for Clinician Scientists 2nd Scientific Symposium

Novel Technologies, Targets and Therapies in Immune-mediated Diseases

Friday, 12 May 2023



2nd IMM-PACT Scientific Symposium

12 May 2023

08:45- 09:15 **Registration**

09:15- 09:30 **Welcome and opening remarks**

Prof. Dr. Robert Thimme, Programme Speaker
Department of Medicine II, Medical Center - University of Freiburg

09:30- 10:15 **Keynote Speech**

Current and prospective applications of CAR T-cell therapy
Prof. Dr. Tobias Feuchtinger
Department of Pediatric Hematology, Oncology and Stem Cell Transplantation, Dr. von Hauner University Children's Hospital, Ludwig-Maximilians-University Munich

Session 1 Engineering immune cells – challenges and perspectives

Chairs: Dr. Marius Schwabenland, Dr. Oliver Wegehaupt

10:15 - 10:35 **From the basic mechanism of antigen receptor activation to innovative immunotherapies**

PD Dr. Susana Minguet, *Department of Immunology, Faculty of Biology, University of Freiburg*

10:35 - 10:55 **Pathophysiology of ICANS after CAR T-cell therapy**

Dr. Janaki Manoja Vinnakota, *Department of Medicine I, Medical Center - University of Freiburg*

10:55 - 11:15 **Shielded hematopoietic and stem cells enable next-generation targeted immunotherapy**

Prof. Dr. Lukas Jeker, *Department of Biomedicine, Basel University Hospital and University of Basel (CH)*

11:15 - 11:45 **COFFEE BREAK**

Session 2 Immune cells in barrier tissues, inflammation and neoplasia – what affects the immune response?

Chairs: Dr. Alexander von Ehr, Dr. Martin Diebold

11:45 - 12:05 **Specification of CNS macrophage subsets occurs postnatally in defined niches**

Dr. Lukas Amann, *Institute of Neuropathology, Medical Center - University of Freiburg*

12:05 - 12:25 **Role of macrophage lipid scavenging and inflammation in non-alcoholic fatty liver disease**

Prof. Dr. Anetta Härtlova, *Department of Microbiology and Immunology at Institute of Biomedicine, University of Gothenburg (SE)*

12:25 - 12:45 **Hot and cold – spatial heterogeneity of anti-tumor immunity**

PD Dr. Dieter Henrik Heiland, *Department of Neurosurgery, Medical Center - University of Freiburg*

12:45 - 13:45 **LUNCH BREAK**

Session 3 Lessons learned from COVID-19 – from disease to vaccination

Chairs: Dr. Martin Diebold, Dr. Marius Schwabenland

13:45 - 14:05 **Immune responses in SARS-CoV-2 vaccinations in immunocompetent and immunocompromised individuals – conclusions for chronic hepatitis**

Dr. Julia Lang-Meli, *Department of Medicine II, Medical Center - University of Freiburg*

14:05 - 14:25 **Adaptive immunogenicity of SARS-CoV-2**

Dr. Oskar Staufer, *Leibniz Institute for New Materials & Helmholtz Institute for Pharmaceutical Research, Saarbrücken & Max Planck Bristol Centre for Minimal Biology, Bristol, UK*

14:25 - 14:45 **Technological advances and challenges of mRNA therapy**

Dr. Gabor Szabó, *Associate Director RNA Protein Replacement Therapies, BioNTech SE, Mainz*

14:45 - 15:15 **COFFEE BREAK**

Session 4 Personalized medicine – targeting the microbiome

Chairs: Dr. Ilinca Popp, Dr. Anne Kathrin Löfflein

15:15 - 15:35 **How microbiota shape immune cells and therapy response in Multiple Sclerosis**

Prof. Dr. Anne-Katrin Pröbstel, *Departments of Neurology, Biomedicine and Clinical Research & Research Center for Clinical Neuroimmunology and Neuroscience Basel (RC2NB), University Hospital and University of Basel (CH)*

15:35- 15:55 **The microbiome drives carcinogenesis and progression in colorectal cancer**

Dr. Jost Lünstedt, *Department of General and Visceral Surgery, Medical Center - University of Freiburg*

15:55 - 16:15 **Elimination of enteropathogenic bacteria from the gut by combining rationally designed oral vaccines with niche competition**

Dr. Verena Lentsch, *Institute of Food, Nutrition and Health, Zurich (CH)*

16:15 - 17:00 **Keynote Speech**

Gut-brain interactions in health and disease

Prof. Dr. Christoph Thaiss
Department of Microbiology and Institute for Immunology, Perelman School of Medicine, University of Pennsylvania, Philadelphia (USA)

17:00- 18:00 POSTER PRESENTATION

Posters presented by fellows of the IMM-PACT-Programme for Clinician Scientists