DAY OF IMMUNE RESEARCH

AGENDA

08:45 - 09:30 **Registration**

09:30 - 09:45 **Welcome** I *Prof. Gerd Geißlinger (Spokesman Fraunhofer CIMD)*

09:45 - 10:40 **The Future of Healthcare and Medical Research in Germany**

09:45 - 10:00 Innovating for Tomorrow: Germany's Innovation Framework I *Dr. Tim Flink (vfa)*

10:05 - 10:20 Integrating Healthcare and Medical Research Data I *Prof. Dr. Jörg Janne Vehreschild (Goethe Universität Frankfurt & Universität zu Köln)*

10:25 - 10:40 **Immune System Insights: Influences and Opportunities | Part I**

10:25 - 10:40 The Interplay Between Psychosocial Stress and Immune Function | *Prof. Dr. med. Eva Peters (Justus-Liebig Universität Gießen)*

10:40 - 10:50 **Coffee Break**

10:50 - 11:05 **Immune System Insights: Influences and Opportunities | Part II**

10:50 - 11:05 Transforming Inflammation: UCB's Innovative Pathways in Drug Discovery and Translational Research I *Joao Duarte, MD, PhD (UCB Pharma)*

11:10 - 11:25 Platform Cell Therapeutics - CAR-T cells in use against autoimmune diseases | *Dr. Sandy Tretbar (Fraunhofer IZI)*

11:30 - 11:45 The Microbiome's Role in Shaping Immune Health | *PD Dr. Lena Biehl (Uniklinik Köln & Fraunhofer ITMP)*

11:50 - 12:30 **Poster Presentation - Session I**

12:30 - 13:10 **Lunch**

13:10 - 14:25 **Progressive Approaches in Medical Treatment**

13:10 - 13:25 From Target Discovery into Patient trials: Bridging Immunology Research to Early Clinical Development | *Dr. Nadine Biesemann (Sanofi)*

13:30 - 13:45 Cell and Gene Therapies for Non-Tumor Indications I *Dr. Boris Engels (Miltenyi Biotec)*

13:50 - 14:05 Quantum computing and personalized medicine I *Büsra Kösoglu-Kind (IBM)*

14:10 - 14:25 Machine learning based data integration: from interpretable representations to clinical applications I *Prof. Dr. Florian Buettner (Goethe-University Frankfurt & German Cancer Research Center (DKFZ))*

14:30 - 15:25 **Coffee Break**

14:45 - 15:25 **Poster Presentation - Session II**

15:30 - 16:45 **Fraunhofer CIMD: Research Insights**

15:30 - 15:45 AAV-mediated Expression of Therapeutic Antibodies via Minimally Invasive Application | *Dr. Thomas Grunwald (Fraunhofer IZI)*

15:50 - 16:05 Development of a Multicellular Heart Organoid | *Prof. Dr. Christian Bär (Fraunhofer ITEM)*

16:10 - 16:25 Faster Insights from Medical Data in the Living Lab Data Intelligence | *Prof. Dr.-Ing. Jörn Kohlhammer (Fraunhofer IGD)*

16:30 - 16:45 PEDRA 2.0 – Fast-Track Platform for combined identification of targets and ex vivo testing of immune-modulating drugs I *Dr. Christian Werno (Fraunhofer ITEM)*

16:50 - 17:05 **Summary and Perspectives** | *Board of Directors Fraunhofer CIMD*

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