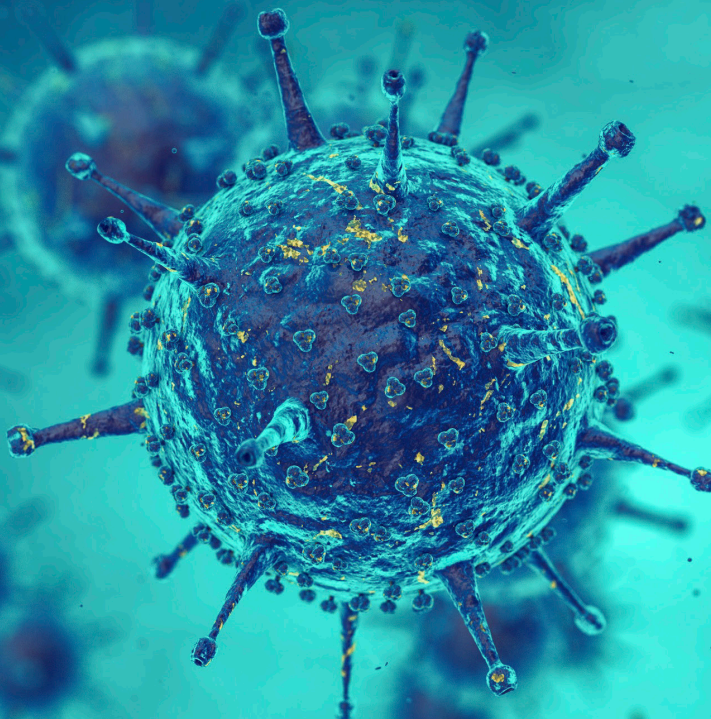


DAY OF IMMUNE RESEARCH

MARCH 12TH 2024 IN FRANKFURT/MAIN



INVITATION

FRAUNHOFER CIMD

The **primary goal** of the Fraunhofer Cluster of Excellence for Immune-Mediated Diseases is the translation of innovative ideas and identified targets into individualized therapies for immune-mediated diseases. In the medium term, the collaborating institutes want to bridge the existing gap from research on novel medications to what is actually available to patients.

In forward-looking projects, three life science Fraunhofer Institutes – Fraunhofer Institute for Translational Medicine and Pharmacology ITMP, Fraunhofer Institute for Cell Therapy and Immunology IZI, and Fraunhofer Institute for Toxicology and Experimental Medicine ITEM – are **pooling their expertise**, thereby **enabling efficient translation**. In order to increase the value, networking with other Fraunhofer partner institutes outside the Life Science network, e.g. in the field of engineering and IT sciences, is an essential part of the Fraunhofer CIMD mission. A substantial gain of knowledge in the pathophysiology of immune diseases will thus be generated, new diagnostic methods will be developed, innovative targets will be addressed, and new treatment categories in this therapeutic area will be introduced and established.

About eight percent of the population worldwide suffer from **immune-mediated diseases**. These conditions are very heterogeneous and can affect almost any organ or tissue. The therapeutic area of immune-mediated diseases includes, for example, rheumatoid arthritis, psoriatic arthritis, psoriasis vulgaris, the systemic disorder lupus erythematosus,

atopic dermatitis and related allergy-induced conditions, but also chronic-inflammatory gastrointestinal diseases, chronic airway diseases, systemic sclerosis and multiple sclerosis. What many of these disorders have in common in terms of pathophysiology is a dysregulation of the immune system.

Fraunhofer CIMD is dedicated to translational research. It thus transfers basic research into the application. Fraunhofer is involved in the four major topics of health research - **drugs, diagnostics, devices and data**, the 4D. In principle, these represent four occupational groups: physicians, life scientists, engineers and computer scientists - who work under one roof at Fraunhofer. Thus, Fraunhofer has an excellent position to cost-effectively put ideas into practice and turn them into new treatment options. For more information about the Fraunhofer CIMD and its goals and ongoing projects, please visit our website: www.cimd.fraunhofer.de

On the **Day of Immune Research**, current topics in the field of immune-mediated diseases and immune research will be presented and discussed in an interdisciplinary and cross-institutional manner. The Day of Immune Research is intended to serve as an information and exchange platform and to contribute to the joint advancement of immune research. Together we will discuss current challenges and develop new approaches to solutions.



REGISTRATION & ABSTRACT SUBMISSION

In the spirit of a sustainable and consistent strategy of applied immunology research, it is very important for us at Fraunhofer CIMD that the bundled expertise of the Fraunhofer Society and external partners is implemented in the projects of the research cluster.

Your ideas, suggestions, and abstracts

At the Day of Immune Research, you can present your own work and projects and discuss challenges and new approaches with us.

To be able to talk to you specifically about potential cooperation opportunities within the Fraunhofer CIMD, we would kindly ask you to submit **project, technology, and/or cooperation ideas** in the form of an abstract. These ideas can be presented and discussed as poster presentations during the Day of Immune Research.

Poster categories could include:

- Research projects (planned, ongoing, finished)
- Industrial or publicly funded projects
- Cooperation possibilities (e.g., looking for a consortium for an EU-call or need for an (industrial) partner for a project)
- Unsolved research problems



Registration and submission of abstracts

Participation is free of charge and you can also participate without submitting an abstract or presenting a poster.

However, in order to participate you need to register for the event.

Please register yourself and your poster(s) (abstracts) on the Fraunhofer CIMD Homepage: [Link to registration](#)

You can also register via the Fraunhofer CIMD Homepage and submit your abstract later via E-Mail to: Info@cimd.fraunhofer.de

Deadline for registration is **February 20th, 2024.**

Deadline for submission of abstracts is **February 1st, 2024.**

For questions please contact:

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www.cimd.fraunhofer.de

AGENDA



<p>08:45 - 09:30 Registration</p> <hr/> <p>09:30 - 09:45 Welcome Prof. Gerd Geißlinger (Spokesman Fraunhofer CIMD)</p> <hr/> <p>09:45 - 10:25 Preclinical Research 09:45 - 10:00 In vitro models for preclinical safety testing - benefits, pitfalls and perspectives Dr. Francesca Moretti (Novartis Institutes for BioMedical Research)</p> <p>10:05 - 10:20 Alternatives to animal testing: Regulatory aspects Dr. Karen Huber (Paul-Ehrlich Institut)</p> <hr/> <p>10:25 - 11:05 Immunology: Mechanistic and metabolic insights 10:25 - 10:40 Mechanistic insights to immune-mediated diseases: Organ damage despite good therapy? Prof. Jörg Distler (Universitätsklinikum Düsseldorf)</p> <p>10:45 - 11:00 Metabolic diseases and the link to the immune system and organ remodeling Prof. Alexander Pfeifer (Universität Bonn)</p> <hr/> <p>11:05 - 11:50 Poster Presentation 11:50 - 12:30 Lunch</p> <hr/> <p>12:30 - 13:40 Health Data & Academic-industrial partnerships 12:30 - 12:55 NAKO - German National Cohort: Goals, Implementation, Achievements, and Future Perspectives Prof. Wolfgang Ahrens (Leibniz Institute)</p> <p>13:00 - 13:15 AI for drug discovery Dr. Friedrich Rippmann (Drug Discovery & Life Sciences Consulting)</p>	<p>13:20 - 13:35 BioMed X: A unique model for biomedical innovation at the interface between academia and industry Dr. Christian Tidona (BioMed X)</p> <hr/> <p>13:40 - 14:00 Fraunhofer CIMD: Research Insights Part I 13:40 - 13:55 DrugEM - How the new era of structural biology fuels drug discovery Dr. Schara Safarian (Fraunhofer ITMP)</p> <hr/> <p>14:00 - 15:15 Poster Presentation & Coffee Break</p> <hr/> <p>15:15 - 16:55 Fraunhofer CIMD: Research Insights Part II 15:15 - 15:30 Living Lab 4D-Clinic - Interdisciplinary Patient Care Prof. Frank Behrens (Fraunhofer ITMP & Uniklinikum der Goethe Universität Frankfurt)</p> <p>15:35 - 15:50 Living Lab Data Intelligence - Flexible Analysis of Medical Data Prof. Jörn Kohlhammer (Fraunhofer IGD)</p> <p>15:55 - 16:10 Foundation models for patient recruitment in clinical trials Dario Antweiler (Fraunhofer IAIS)</p> <p>16:15 - 16:30 Standardised evaluation of test systems Dr. Andreas Wieser (Fraunhofer ITMP & Ludwig-Maximilians-Universität München)</p> <p>16:35 - 16:50 Development of new evidence-based guidelines: From clinical medicine to public health Prof. Torsten Zuberbier (Fraunhofer ITMP & Charité Universitätsmedizin Berlin)</p> <hr/> <p>16:55 - 17:10 Summary and Perspectives Board of Directors Fraunhofer CIMD</p>
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LOCATION

**FRANKFURT/MAIN
GERMANY**

Casinogebäude Campus Westend

Theodor-W.-Adorno-Platz
60323 Frankfurt/Main
GERMANY



The conference room »Festsaal I« is located on ground level of the building.

[Link to Campus Westend site map.](#)

Arrival by train

Option 1: From Frankfurt (Main) main station (Hbf) by S-Bahn, lines S1-9 to »Hauptwache«, then by U-Bahn, lines U1-3 or 8 to »Holzhausenstraße« or »Miquel-/Adickesallee«, then approx. 10 min walk.

Option 2: From Frankfurt (Main) main station (Hbf) by S-Bahn, lines S1-9 to »Konstabler Wache«, then by bus, line 36 (direction Westbahnhof) to »Uni Campus Westend«.

Option 3: Bus line 64 from the main station or Alte Oper to the bus stop »Bremer Straße«.

Arriving by car

A limited number of parking spaces are available upon request 5 min walking distance from the Casinogebäude (Fritz-Neumark-Weg). If you need a parking space, please contact the CIMD Office (info@cimd.fraunhofer.de). Your arrival time and plate number will be needed in order to reserve a parking space.

Arriving by plane

From Frankfurt Airport (FRA) take the S-Bahn to Frankfurt (Main) Hbf and then continue by tram as described above.

CONTACT



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Deputy Director Fraunhofer ITMP



Nur zur klinis
Klinische Pr
Protokoll: TRA
Probanden-ID:
Nach Anweis
Ch.B.: TRA12
Bei max. 25 °C
Arzneimittel

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