

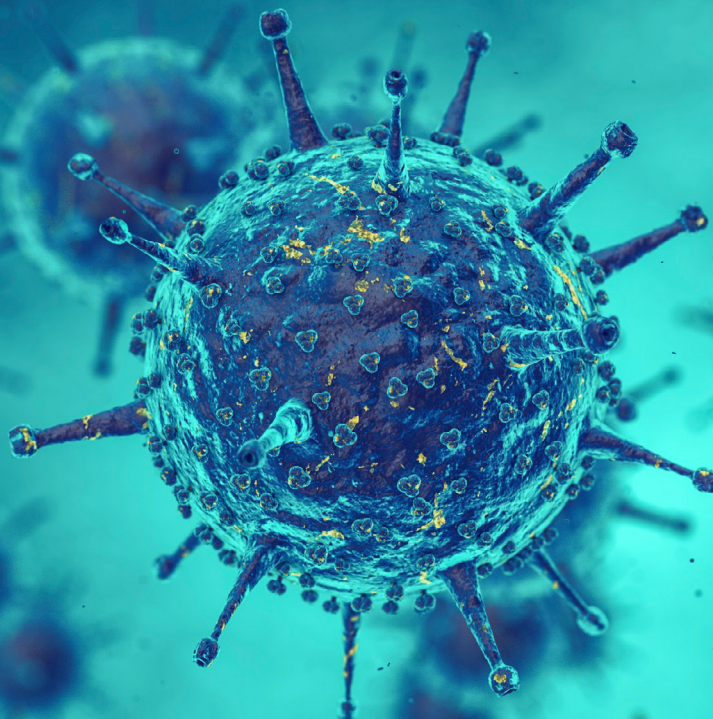


**Fraunhofer**  
CIMD

FRAUNHOFER CLUSTER OF EXCELLENCE IMMUNE-MEDIATED DISEASES CIMD

# **DAY OF IMMUNE RESEARCH**

**NOVEMBER 21<sup>ST</sup> 2025 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](http://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](mailto:Info@cimd.fraunhofer.de)

Deadline for registration is **November 1<sup>st</sup>, 2025.**

Deadline for submission of abstracts is **October 9<sup>th</sup>, 2025.**

For questions please contact:

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+49 69 6301 80205

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## AGENDA



<b>08:45 - 09:30</b>	<b>Registration</b>	<b>13:10 - 16:45</b>	<b>Progressive Approaches in Medical Treatment</b>
<b>09:30 - 09:45</b>	<b>Welcome</b>   Prof. Gerd Geißlinger (Spokesman Fraunhofer CIMD)	13:10 - 13:25	tbd   tbd
<b>09:45 - 10:40</b>	<b>The Future of Healthcare and Medical Research in Germany</b>	13:30 - 13:45	Machine Learning enhanced diagnosis and targeted treatment of disease   PD Dr. Carsten Marr (Helmholtz Zentrum München)
09:45 - 10:00	Innovating for Tomorrow: Germany's Innovation Framework   Dr. Tim Flink (vfa)	13:50 - 14:05	Cell and Gene Therapies for Non-Tumor Indications   Dr. Boris Engels (Miltenyi Biotec)
10:05 - 10:20	Integrating Healthcare and Medical Research Data   Prof. Dr. Jörg Janne Vehreschild (Goethe Universität Frankfurt & Universität zu Köln)	14:10 - 14:25	Quantum computing and personalized medicine   Büsra Kösoglu-Kind (IBM)
10:25 - 10:40	<b>Immune System Insights: Influences and Opportunities   Part I</b>	<b>14:30 - 15:25</b>	<b>Coffee Break</b>
10:25 - 10:40	The Interplay Between Psychosocial Stress and Immune Function   Prof. Dr. med. Eva Peters (Justus-Liebig Universität Gießen)	<b>14:45 - 15:25</b>	<b>Poster Presentation - Session II</b>
<b>10:40 - 10:50</b>	<b>Coffee Break</b>	<b>15:30 - 16:45</b>	<b>Fraunhofer CIMD: Research Insights</b>
10:50 - 11:05	<b>Immune System Insights: Influences and Opportunities   Part II</b>	15:30 - 15:45	AAV-mediated Expression of Therapeutic Antibodies via Minimally Invasive Application   Dr. Thomas Grunwald (Fraunhofer IZI)
10:50 - 11:05	Navigating the Landscape of Immunology: Opportunities and Challenges   tbd	15:50 - 16:05	Development of a Multicellular Heart Organoid   Prof. Dr. Christian Bär (Fraunhofer ITEM)
11:10 - 11:25	tbd   tbd	16:10 - 16:25	Faster Insights from Medical Data in the Living Lab Data Intelligence   Prof. Dr.-Ing. Jörn Kohlhammer (Fraunhofer IGD)
11:30 - 11:45	The Microbiome's Role in Shaping Immune Health   PD Dr. Lena Biehl (Uniklinik Köln & Fraunhofer ITMP)	16:30 - 16:45	PEDRA 2.0 – Fast-Track Platform for combined identification of targets and ex vivo testing of immune-modulating drugs   Dr. Christian Werno (Fraunhofer ITEM)
<b>11:50 - 12:30</b>	<b>Poster Presentation - Session I</b>	<b>16:50 - 17:05</b>	<b>Summary and Perspectives  </b>
<b>12:30 - 13:10</b>	<b>Lunch</b>		Board of Directors Fraunhofer CIMD

## LOCATION

**FRANKFURT/MAIN  
GERMANY**

### Fraunhofer ITMP

Sandhöfer Allee 1  
60528 Frankfurt/Main  
GERMANY

The conference room is located on ground level of the building:



#### Arrival by train

Option 1: From Frankfurt (Main) main station (Hbf) by Tram, line 21 direction Frankfurt (Main) Oberforsthaus, to »Frankfurt (Main) H.-Hoffmann-Str./Blutspendedienst«, then approx. 10 min walk.

Option 2: From Frankfurt (Main) main station (Hbf) by Tram, line 21 direction Frankfurt (Main) Oberforsthaus, to »Frankfurt (Main) Universitätsklinikum«, then approx. 10 min walk.

#### Arriving by plane

From Frankfurt Airport (FRA) take the S-Bahn to Frankfurt (Main) Niederrad Bahnhof. Then take Tram, line 12 in the direction of »Hugo-Junkers-Straße/Schleife« to »Frankfurt (Main) Universitätsklinikum«, then approx. 10 min walk.

#### Arriving by car

Paid parking is available in nearby locations.

A map of the Frankfurt University Hospital, including the Fraunhofer ITMP location, is available here:

#### Link to Site Map

The Fraunhofer ITMP is located in the upper part of the site map between Kennedyallee and building number 54.

# CONTACT



## Central office

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## Steering committee

Prof. Dr. Dr. Gerd Geißlinger (Spokesman)  
Executive Director Fraunhofer ITMP

Prof. Dr. Norbert Krug  
Executive Director Fraunhofer ITEM

Prof. Dr. Dr. Ulrike Köhl  
Executive Director Fraunhofer IZI

Prof. Dr. Stefan Wrobel  
Executive Director Fraunhofer IAIS

Prof. Dr. Dieter Fellner  
Executive Director Fraunhofer IGD

Prof. Dr. Frank Behrens (Scientific coordinator)  
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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