

Welcome note

Dear colleagues,

we are pleased to invite you to the 8th International Symposium Interface Biology of Implants (IBI) in Rostock. The symposium will once again be held in the “Kurhaus Warnemünde” on the beautiful coast of the Baltic Sea.

The symposium, themed “Decoding Biology – Inspiring Materials“, brings together scientists from various disciplines to uncover how cells sense and respond to biomaterials, translating these insights into functionalized materials. This multidisciplinary research bridges life and materials sciences, physics and chemistry. The program is complemented by high-profile guest speakers who will present the latest research findings across the symposium’s core topics. These range from the biological mechanisms underlying cellular responses at the biomaterial interface to the engineering and computational design of next-generation functionalized materials and cellular microenvironments.

Furthermore, we are delighted to announce, in collaboration with the Research Training Group 2901 SYLOBIO, a supporting program on the topic of “Local and Systemic Incompatibility of Implants“.

The use of functionalized and adaptive biomaterials in various medical fields has increased significantly in recent years. Yet, decoding the underlying biology, the complex biomolecular interactions between living tissue and implant material, remains the key to translating innovative materials into clinical practice.

We look forward to welcoming you to Rostock-Warnemünde and to an inspiring symposium with stimulating discussions and opportunities for scientific exchange.

Rainer Bader

Anika Jonitz-Heincke

Kirsten Peters



International
Symposium Interface
Biology of Implants (IBI)

Rostock/Warnemünde
17-19 May 2028
Germany



Decoding Biology – Inspiring Materials

Save the date!

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www.ibi-symposium.org

General information

Conference chairs

Prof. Dr. med. habil. Dipl.-Ing. Rainer Bader

Biomechanics and Implant Technology Research Laboratory

Department of Orthopedics

Rostock University Medical Center, Germany

PD Dr. rer. hum. habil. Dipl. Biol. Anika Jonitz-Heincke

Biomechanics and Implant Technology Research Laboratory

Department of Orthopedics

Rostock University Medical Center, Germany

Prof. Dr. rer. nat. et med. habil. Kirsten Peters

Department of Cell Biology

Center for Medical Research (ZEMFO)

Rostock University Medical Center, Germany

Scientific program committee

Prof. Dr. Rainer Adelung, Kiel, Germany

Dr. Anne Bernhardt, Dresden, Germany

Prof. Dr. Mihaela Roxana Cimpan, Bergen, Norway

Dr. Rainer Detsch, Erlangen, Germany

Prof. Dr. Sabine Fuchs, Kiel, Germany

Dr. Olga Hahn, Rostock, Germany

Dr. Heike Helmholz, Geesthacht, Germany

Dr. Paul Johan Høl, Bergen, Norway

Prof. Dr. Stefan Kalkhof, Coburg, Germany

Dr. David Kilian, Maastricht, The Netherlands

Dr. Annett Klinder, Rostock, Germany

Dr. Henrike Rebl, Rostock, Germany

Prof. Dr. Stefanie Scheu, Rostock, Germany

Dr. Janosch Schoon, Greifswald, Germany

Dr. Marie-Luise Sellin, Rostock, Germany

PD Dr. Matthias Sandler, Greifswald, Germany

Prof. Dr. Berit Zeller-Plumhoff, Rostock, Germany

Topics

- The Living Interface: Decoding the Dynamic Dialogue Between Cells and Biomaterials
- From Ink to Tissue: Engineering Functionalized Biomaterials via Precision Bioprinting
- Cell-Driven Immune Fate: Decoding Inflammation and Tissue Tolerance at the Biomaterial-Interface
- From Molecular Data to Insight: Integrative Omics in Cell-Material Interaction Research
- Computational Frontiers: Modeling the Cell-Biomaterial Interface
- From Flat to Functional: Engineering Cellular Microenvironments

Abstract submission

The deadline for abstract submission is 26 November 2027.

Accepted abstracts can be included as oral or poster presentations in the program.

Venue

Kurhaus Warnemünde

Seestraße 18 | 18119 Rostock, Germany

Date

17–19 May 2028

Website

www.ibi-symposium.org

Organization

Conventus Congressmanagement & Marketing GmbH

Carl-Pulfrich-Straße 1 | 07745 Jena, Germany

ibi@conventus.de | www.conventus.de

Industrial exhibition

The conference will be accompanied by a specialized industrial exhibition. Interested companies are requested to contact Conventus.

