

SPEAKERS

Luca **Berdondini**, Genua
Thomas **Bocklitz**, Bayreuth
Aline **Bozec**, Erlangen
Claudio **Castellini**, Erlangen
Ivan **Dikic**, Frankfurt
Kerstin **Galler**, Erlangen
Dominic **Grün**, Würzburg
Wolf-Dietrich **Hardt**, Zürich
Steffen **Jung**, Rehovot
Percy **Knolle**, München
Agnès **Lehuen**, Paris

Martina **Muckenthaler**, Heidelberg
Janina **Müller-Deile**, Erlangen
Lena **Pernas**, Köln/Los Angeles
Heiko **Reutter**, Erlangen
Christian **Schwartz**, Erlangen
Miguel **Soares**, Oeiras
Peter **Soba**, Erlangen
Daniela **Souza de Oliveira**, Erlangen
Malu G. **Tansey**, Gainesville
Tomohisa **Toda**, Erlangen
Friederike **Zunke**, Erlangen

IZKF Erlangen

Chairman: Michael Wegner
Manager: Katrin Faber



**Uniklinikum
Erlangen**



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Sponsoring: 500 €

9th International IZKF Symposium
20th - 21th June 2024

**From cells to organs:
How interactive networks
shape human disease**

PROGRAMME COMMITTEE

Michael Wegner, Aline Bozec, Friederike Zunke, Marisa Karow, Carola Berking, Maximilian Waldner, Markus Eckstein, Miriam Kalbitz, Claus Hellerbrand, Thomas Kinfe, Diana Dudziak, Adrian Regensburg, Mario Zaiss, Roland Lang

PARTICIPATION FEE

The participation fee is 100 € and covers the scientific programme and the catering on site as well as the accommodation. For further questions, please contact: izkf-administration@uk-erlangen.de.

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THE SYMPOSIUM IS CERTIFIED FOR CONTINUING MEDICAL
EDUCATION BY THE BAYERISCHE LANDESÄRZTEKAMMER.



Quelle: Uniklinikum Erlangen

THURSDAY, 20th JUNE 2024

Welcome and Introduction
14:00

Vice President Research **Georg Schett**, Erlangen

Vice Dean of the Medical Faculty, **Klaus Überla**, Erlangen

Chair of the IZKF, **Michael Wegner**, Erlangen

Session I: Intracellular

Chair: Lydia Meder/ Andreas Ramming
14:30 – 16:30

Lena Pernas, Köln/Los Angeles

Organelle and metabolic dynamics of the host-pathogen interaction

Ivan Dikic, Frankfurt

Ubiquitin and autophagy networks in health and disease

Friederike Zunke, Erlangen

Lysosomes in Neurodegeneration: their role in pathology and as therapeutic target

Tomohisa Toda, Erlangen

Exploring roles of nuclear architecture in neural plasticity and brain aging

Session II: Intercellular

Chair: Caroline Bosch-Voskens/ Kilian Schober
17:00 – 19:00

Percy Knolle, München

Metabolite-induced regulation of T cell function in the liver

Steffen Jung, Rehovot

Monocyte and Macrophages - revisited

Dominic Grün, Würzburg

Deciphering driving forces of cell fate decision at single-cell resolution in health and disease

Aline Bozec, Erlangen

Neutrophils and metabolically activated myeloid cells promote a detrimental tumor microenvironment in obese bone marrow

Janina Müller-Deile, Erlangen

Glomerular crosstalk through miR loaded exosomes

FRIDAY, 21th JUNE 2024

Session III: Between organs

Chair: Jessica Freiherr/ Oliver Dewald
08:30 – 10:30

Martina Muckenthaler, Heidelberg

Safeguarding Iron Homeostasis through Cell-Cell Communication

Miguel Soares, Oeiras

Metabolic reprogramming as a defence strategy against infection

Heiko Reutter, Erlangen

Congenital Malformations and the Zebrafish, a suitable vertebrate model

Peter Soba, Erlangen

Between organ(ism)s: mechanisms of somatosensory circuit alterations in Autism models

Session IV: Poster Session

11:00 – 13:00

Conference Lunch

13:00

Session V: Between Human and Microbiom

Chair: Lisa Deloch/ Michael Vieth
14:00 – 16:00

Wolf-Dietrich Hardt, Zürich

Salmonella diarrhea: microbiota, food and virulence

Malu G. Tansey, Gainesville

The gut-brain axis in Parkinson's disease

Agnès Lehuen, Paris

MAIT cells and microbiota in diabetes and obesity

Christian Schwartz, Erlangen

The impact of obesity-mediated dysbiosis on type 2 immunity

Kerstin Galler, Erlangen

Immunological Aspects and Regenerative Approaches in Dental Medicine

FRIDAY, 21th JUNE 2024

Session VI: Between Human and "Machine"

Chair: Thomas Kinfe/ Franziska Mathis-Ullrich
16:30 – 18:30

Luca Berdondini, Genua

From passive to active dense electrode array devices for brain interfacing

Thomas Bocklitz, Bayreuth

Explainable AI: making machine learning based diagnostic predictions understandable for humans.

Claudio Castellini, Erlangen

Signals and strategies to foster co-adaptation between patients and robots

Daniela Souza de Oliveira, Erlangen

Tracking Motor Recovery with a Spinal Cord Interface

Publication Award

Poster Prizes

18:30 – 19:00

Laudatio: N.N.

Short presentation by the Publication Award winner and the awardees of the poster prizes

Publication Award:

Conference Dinner

19:30