



UNIVERSITÄT ZU LÜBECK

MI-VascAD

Methods to Investigate the Vasculature  
in Autoimmune Diseases

[www.mi-vascad.uni-luebeck.de](http://www.mi-vascad.uni-luebeck.de)

# Symposium

28.09.2026, 2:00 - 6:00 pm  
Fraunhofer IMTE

Registration:

[www.mi-vascad.uni-luebeck.de/  
events/symposium-2026/registration](http://www.mi-vascad.uni-luebeck.de/events/symposium-2026/registration)

Keynote Lecture

**Prof. Carmen Ruiz de Almodóvar**

*(Institute for Neurovascular Cell Biology, Bonn)*

Additional Talks by

Dr. Mandy Ahlborg (*Fraunhofer IMTE*)

Dr. Hanna Grasshoff (*Rheumatology*)

Prof. Gereon Hüttmann (*Biomedical Optics*)

Prof. Yoko Miura (*Ophthalmology*)

PD Dr. Helge Müller-Fielitz (*Pharmacology*)

Dr. Anja Stähle (*Rheumatology*)

PD Dr. Jan Wenzel (*Pharmacology*)

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## Program

## 28.09.2026

- 2:00 – 2:30 *Arrival and Welcome*
- 2:30 – 2:45 *Welcome and Introduction to MI-VascAD*  
(Dr. Hanna Grasshoff/PD Dr. Jan Wenzel)
- 2:45 – 2:55 *Welcome Address by the University*  
(Prof. Thomas Münte)
- 2:55 – 3:10 *Magnetic Particle Imaging as a Theranostic Platform*  
(Dr. Mandy Ahlborg)
- 3:10 – 3:25 *Neurocognitive Impairment triggered by Autoantibodies:*  
*Insights into mechanisms and diagnostics* (Dr. Hanna Grasshoff)
- 3:25 – 3:40 *New Technologies for Quantitative Imaging of Retinal Vessels*  
(Prof. Gereon Hüttmann)
- 3:40 – 3:55 *Systemic Disease and Ocular Circulation* (Prof. Yoko Miura)
- 3:55 – 4:15 *Coffee Break*
- 4:15 – 4:30 *GPCRs at the Circumventricular Organs: An Overlooked Problem*  
*in Graves' Disease?* (PD Dr. Helge Müller-Fielitz)
- 4:30 – 4:45 *Antibody-conjugated Magnetic Particles in Vascular Autoimmunity:*  
*From Linker Chemistry to a Functional Tracer* (Dr. Anja Stähle)
- 4:45 – 5:00 *Endothelial Dysfunction and Cerebral Perfusion –*  
*How Vascular GPCR signaling affects the Brain* (PD Dr. Jan Wenzel)
- 5:00 – 6:00 *Keynote Lecture: Selective Opening of the Blood-Spinal Cord Barrier*  
*and Immune Activation upon Peripheral Injury*  
(Prof. Carmen Ruiz de Almodóvar, Bonn)

from 6:00 *Snacks and Drinks*

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