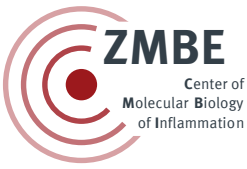
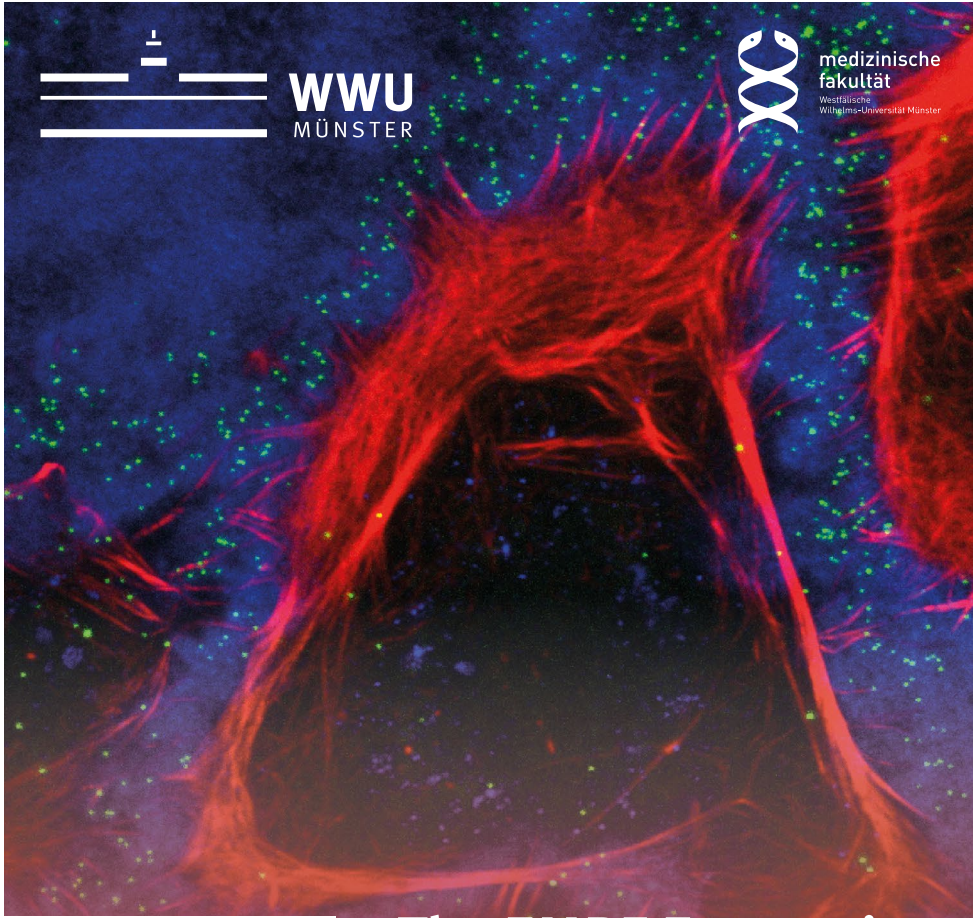




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The ZMBE Symposium › 25 Years of Molecular Biology of Inflammation

May 11/12, 2023
Münster, Germany

Supported by:



→ **May 11**

9:00

Welcome

Petra Dersch, Acting ZMBE Director

Johannes Wessels, Rector WWU Münster

Frank Müller, Dean MFM

9:15–11:15

Dynamic Processes at Cellular Membranes

(Chairs: Nikita Raj, Marie Hugentroth)

9:15–9:35

Volker Gerke, ZMBE Münster, Germany

Endothelial Cell Membrane Dynamics in Inflammation and Wound Repair

9:40–10:10

Daniel Cutler, University College London, UK

Functional Plasticity of Endothelial Cells by Environmental Organelle Size Control

10:20–10:40

Maria Bohnert, ZMBE Münster, Germany

Plasticity of Lipid Storage in Metabolic Adaptation

10:45–11:05

Roland Wedlich-Söldner, ZMBE Münster, Germany

Mechanistic Insights into the Basis of Disease – harnessing the Power of Quantitative Cell Biology

11:15–13:15

Poster Session & Lunch

13:15–15:40

Cellular Mechanisms Controlling Internalization and Virus Infection

(Chairs: Sreedeepta Saha, Kaan Öztürk)

13:15–13:35

Mario Schelhaas, ZMBE Münster, Germany

Going Retro - Small DNA Tumor Virus Entry into Host Cells

13:40–14:10

Eva Herker, University of Marburg, Germany

Lipids and Lipid Droplets in Flavivirus Infection

14:20–14:50

Urs Greber, University of Zurich, Switzerland

Mechanisms in Virus Infection Variability

15:00–15:30

Gisou van der Goot, École Polytechnique Fédérale de

Lausanne, Switzerland

Infection-induced Optimization of the Acyl-transferase that Palmitoylates SARS-CoV2 Spike Protein

15:40–16:15

Coffee Break

16:25–18:35

Crosstalk between Extracellular Environment and Migrating Cells

(Chairs: Felix Gunawan, Maja Matis)

16:25–16:45

Erez Raz, ZMBE Münster, Germany

Cell Migration in Live Embryos - Polarisation, Guidance and Adaptation to Different Cellular Contexts

- 16:50–17:20 **Brian Stramer**, King's College London, UK
The Migratory Machinery and Surprising Developmental Functions of Fly Macrophages
- 17:30–18:00 **Michael Sixt**, Institute of Science and Technology, Austria
Ensuring Cellular Coherence while Migrating in Complex Environment
- 18:10–18:30 **Tim Lämmermann**, MPI Freiburg
The Broad Spectrum of Migrating Immune Cells

18:35–19:15 Cocktail/Refreshments

- 19:15 Keynote Lecture**
(Chairs: Kristof van Avondt, Yvonne Börgeling)
Andres Hidalgo, Yale University School of Medicine, US
Mapping Neutrophils

20:00 Get-together

→ **May 12**

9:00–11:25 Visualizing Infection (Chairs: Christian Rüter, Samriti Sharma)

- 9:00–9:20 **Petra Dersch**, ZMBE Münster, Germany
Remodelling Yersinia-host Interactions during Acute and Persistent Infection
- 9:25–9:55 **Sophie Helaine**, Imperial College London, UK
Unlocking Antibiotic Persisters during Infection
- 10:05–10:35 **Hans-Georg Kräusslich**, University of Heidelberg, Germany
Post-entry Stages in Retroviral Replication
- 10:45–11:15 **Walther Mothes**, Yale School of Medicine, US
Imaging Retroviruses and SARS-CoV-2 across Spatial and Temporal Scales

11:20–13:15 Poster Session & Lunch

13:15–15:10 Disease Progression and Cellular Responses
(Chairs: Johannes Naß, Daniel Haase)

- 13:15–13:35 **Carlos Silvestre-Roig**, ZMBE Münster, Germany
Neutrophil Heterogeneity as a Consequence of Niche Specificity
- 13:40–14:10 **Satyajit Mayor**, National Centre for Biological Sciences, Bangalore, India
Mechanochemical Regulation of Membrane Organization

14:20–14:50 **Rong Li**, Mechanobiology Institute, Singapore
The Impact of Chronic Osmotic Stress on Mammalian Cell Growth and Genome Stability

15:00–15:30 **Coffee Break**

15:30–17:00 **From Pathology to Intervention**
(Chairs: **Linda Brunotte, Claudia Tulotta**)

15:30–15:50 **Oliver Soehnlein**, ZMBE Münster, Germany
Neutrophils in Vascular Inflammation – from Physiology to Treatment

15:55–16:15 **Stephan Ludwig**, ZMBE Münster, Germany
Dissecting Virus-host Cell Interfaces towards Development of Novel Host-targeted Antivirals

16:20–16:50 **Matthias Gunzer**, University of Duisburg-Essen, Germany
The Role of Neutrophils in Infectious and Sterile Inflammation

18:00 Party & Dinner

Postal Address

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Location

University of Münster
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Schlossplatz 2
48149 Münster

Information

Emergency phone number
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