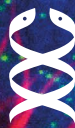


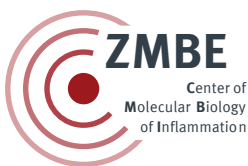


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Center of
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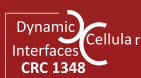
The ZMBE Symposium › 25 Years of Molecular Biology of Inflammation

May 11/12, 2023
Münster, Germany

Supported by:



breaking
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Interfaces
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Organ
Dysfunction
during
Systemic
Inflammation
NFO 342



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TRR332

→ **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

9:15–9:30

Volker Gerke, ZMBE Münster, Germany

Endothelial Cell Membrane Dynamics in Inflammation and Wound Repair

9:35–10:05

Daniel Cutler, University College London, UK

Functional Plasticity of Endothelial Cells by Environmental Organelle Size Control

10:15–10:30

Maria Bohnert, ZMBE Münster, Germany

Plasticity of Lipid Storage in Metabolic Adaptation

10:35–11:05

Satyajit Mayor, National Centre for Biological Sciences, Bangalore, India

Mechanochemical Regulation of Membrane Organization

11:15–13:15

Poster Session & Lunch

Schloss Entrance Hall / Garden

13:15–15:55

Cellular Mechanisms Controlling Internalization and Virus Infection

13:15–13:30

Mario Schelhaas, ZMBE Münster, Germany

Going Retro - Small DNA Tumor Virus Entry into Host Cells

13:35–14:05

Eva Herker, University of Marburg, Germany

Lipids and Lipid Droplets in Flavivirus Infection

14:15–14:45

Urs Greber, University of Zurich, Switzerland

Mechanisms in Virus Infection Variability

14:55–15:25

Gisou van der Goot, École Polytechnique Fédérale de Lausanne, Switzerland

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

15:35–16:15

Coffee Break

16:25–18:15

Crosstalk between Extracellular Environment and Migrating Cells

16:25–16:40

Erez Raz, ZMBE Münster, Germany

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

- 16:45–17:15 **Brian Stramer**, King's College London, UK
The Migratory Machinery and Surprising Developmental Functions of Fly Macrophages
- 17:15–17:45 **Michael Sixt**, Institute of Science and Technology, Austria
Ensuring Cellular Coherence while Migrating in Complex Environment
- 17:55–18:10 **Tim Lämmermann**, MPI Freiburg
The Broad Spectrum of Migrating Immune Cells

18:15–19:00 Cocktail/Refreshments
Schloss Entrance Hall / Garden

19:00 Keynote Lecture
Andres Hidalgo, Yale University School of Medicine, US
Mapping Neutrophils

20:00 Get-together
Schloss Entrance Hall / Garden

→ **May 12**

9:00–11:20 Visualizing Infection

- 9:00–9:15 **Petra Dersch**, ZMBE Münster, Germany
Remodelling Yersinia-host Interactions during Acute and Persistent Infection
- 9:20–9:50 **Sophie Helaine**, Imperial College London, UK
Unlocking Antibiotic Persisters during Infection
- 10:00–10:30 **Hans-Georg Kräusslich**, University of Heidelberg, Germany
Post-entry Stages in Retroviral Replication
- 10:40–11:10 **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
Schloss Entrance Hall / Garden

13:15–15:15 Disease Progression and Cellular Responses

- 13:15–13:30 **Carlos Silvestre-Roig**, ZMBE Münster, Germany
Neutrophil Heterogeneity as a Consequence of Niche Specificity
- 13:35–14:05 **Barbara Walzog**, LMU Munich, Germany
Regulation of Integrin Activation on Neutrophils
- 14:15–14:30 **Roland Wedlich-Söldner**, ZMBE Münster, Germany
Mechanistic Insights into the Basis of Disease – Harnessing the Power of Quantitative Cell Biology

- 14:35–15:05 **Rong Li**, Mechanobiology Institute, Singapore
The Impact of Chronic Osmotic Stress on Mammalian Cell Growth and Genome Stability
- 15:15–16:00 **Coffee Break**
- 16:00–18:00 **From Pathology to Intervention**
- 16:00–16:15 **Oliver Soehnlein**, ZMBE Münster, Germany
Neutrophils in Vascular Inflammation – from Physiology to Treatment
- 16:20–16:50 **Willem Mulder**, Eindhoven University of Technology, The Netherlands
Targeting Innate Immunity to Treat Atherosclerosis
- 17:00–17:15 **Stephan Ludwig**, ZMBE Münster, Germany
Dissecting Virus-host Cell Interfaces towards Development of Novel Host-targeted Antivirals
- 17:20–17:50 **Matthias Gunzer**, University of Duisburg-Essen, Germany
The Role of Neutrophils in Infectious and Sterile Inflammation
- 18:00 Party & Dinner**
 Schlossgarten Café

Postal Address

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 ZMBE
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E-mail

zmbesymposium@uni-muenster.de

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University of Münster
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 Schlossplatz 2
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Information

Emergency phone number
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Central
 station