



6th Inflammation & Imaging Symposium

7–9 September 2026

Multiscale Imaging Centre
University of Münster, Germany

Monday, 7 September 2026

Systemic inflammation and organ dysfunction – opening session

Hosted by CRU 342 Organ Dysfunction during Systemic Inflammation, Münster (Chairs: Petra Dersch, Thomas Vogl)

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| 13:00-13:05 | Welcome |
| 13:05-13:30 | Six years of research into organ dysfunction during systemic inflammation in Münster
Jan Rossaint, Coordinator of the Clinical Research Unit CRU 342, University of Münster |
| 13:30-13:50 | Immune receptor-specific mini viral RNAs contribute to hyperinflammation in H5N1 infection
Linda Brunotte, University Clinic Gießen |
| 13:50-14:20 | Longitudinal immune profiling defines biologically distinct temporal immune states in sepsis
Manu Shankar-Hari, King's College London |
| 14:20-14:40 | Shedding to shielding – role of CD163 in inflammation and infection
Katarzyna Barczyk-Kahlert, University of Münster |

Coffee break

Poster session 1

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| 15:15-15:45 | Poster pitches |
| Auditorium | A lively overview about the multifaceted research projects from junior scientists! |
| 15:45-16:45 | Parallel poster sessions |
| Seminar A/B/D/E | Learn more about your favourite topics, exchange ideas and connect with your colleagues. |

Coffee break

Systemic inflammation and organ dysfunction II

A collaborative research initiative between Münster and Tübingen (Chairs: Peter Rosenberger, Alexander Zarbock)

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| 17:00-17:10 | Taking research on systemic inflammation and organ dysfunction to the next level
Peter Rosenberger, University Hospital Tübingen
Alexander Zarbock, University Hospital Münster |
| 17:10-17:35 | Immunothrombosis - the role of IgG and platelets
Tamam Bakchoul, University Hospital Tübingen |
| 17:35-17:50 | Migratory consequences of S100A8/A9 deficiency in neutrophils during sepsis
Saskia Mülder, University of Münster |
| 17:50-18:15 | Myeloid immune cell mediated mechanisms of organ damage in sepsis
Selina Jorch, University Hospital Münster |

Reception with snacks, drinks and music

Tuesday, 8 September 2026

Multiscale imaging of inflammation

*Hosted by CRC 1450 inSight – Multiscale imaging of organ-specific inflammation, Münster
(Chairs: Friedemann Kiefer, Florencia Sánchez)*

- 09:00-09:30 **From neurogenesis to brain cancer – Imaging glioblastoma development in mice**
Harold Cremer, Aix-Marseille University
- 09:30-09:45 **Investigating 5-aminolevulinic acid (5-ALA) mediated sonodynamic therapy in murine glioma**
Tim Brederecke, University of Münster
- 09:45-10:15 **Longitudinal NAD(P)H fluorescence lifetime imaging reveals cellular metabolic rewiring during bone regeneration**
Raluca Niesner, German Rheumatology Research Center & Freie Universität Berlin
- 10:15-10:45 **Microbialcartography - infectionlandscapes and microbiomes**
Judith Kikhney, University of Leipzig Medical Centre and MoKi Analytics GmbH

Coffee break

Poster session 2

- 11:15-11:45 **Poster pitches**
Auditorium A lively overview about the multifaceted research projects from junior scientists!
- 11:45-12:45 **Parallel poster sessions**
Seminar A/B/D/E Learn more about your favourite topics, exchange ideas and connect with your colleagues.

Lunch

Translational imaging

Hosted by Clinician Scientist CareerS, Münster (Chairs: Rebecca Hasseli-Fräbel, David Ventura)

- 13:45-14:15 **Clinical molecular imaging of cardiovascular inflammation**
Thorsten Derlin, Ruhr University Bochum, Heart and Diabetes Center, Bad Oeynhausen
- 14:15-14:45 **MRI biomarkers of neuroinflammation - why sex matters**
Bettina Pfleiderer, University of Münster
- 14:45-15:15 **Multi-organ PET imaging in atherosclerosis**
Juhani Knuuti, University of Turku

Coffee break

Systemic inflammation and organ dysfunction III

*Hosted by CRU 342 Organ Dysfunction during Systemic Inflammation, Münster
(Chairs: Katarzyna Barczyk-Kahlert, Jan Rossaint)*

- 15:45-16:00 **TRIMming hyperinflammation induced by highly-pathogenic respiratory viruses by pharmacological inhibition of TRIM28 S473 phosphorylation**
Sriram Kumar, University Clinic Gießen
- 16:00-16:15 **Killing success of intracellular *S. aureus* by Kupffer cells is determined by liver zonation through NKT cell help and CD5L supply**
Yevheniia Minchuk, University Hospital Münster
- 16:15-17:00 **Keynote: Too much, too little, too late...**
Peter Pickkers, Radboud University Medical Center, Nijmegen

Wednesday, 9 September 2026

Inflammatory processes in atherosclerosis

Hosted by TRR 332 Neutrophils: origin, fate & function, Münster

(Chairs: Mariano Malamud Guillan, Carlos Silvestre-Roig)

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| 09:00-09:30 | ChemR23 in vascular inflammation
Yvonne Döring, University of Bern |
| 09:30-09:45 | Dissecting neutrophil biology in ageing
Claudia Tulotta, University of Münster |
| 09:45-10:15 | Innate immune reprogramming establishes a macrophage-driven cardioprotective program
David Sancho, Spanish National Centre for Cardiovascular Research, Madrid |
| 10:15-10:30 | Circadian control of plaque biology – a temporal imbalance between inflammation and repair
Alexander Bender, University of Münster |

Coffee break

Imaging inflammation, infection and tissue dynamics

Hosted by the Medical Scientist Programme InFlame, Münster

(Chair: Linda Groeneweg, André Schreiber)

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| 11:00-11:30 | Dissecting respiratory virus-host interactions through advanced imaging
Christian Sieben, Helmholtz Centre for Infection Research, Braunschweig |
| 11:30-11:45 | Vascular control of kidney patterning and functional zonation
Mara Pitulescu, Max Planck Institute for Molecular Biomedicine, Münster |
| 11:45-12:15 | Decoding border immune ecosystems that govern the brain
Kiavash Movahedi, Vrije Universiteit Brussel |
| 12:15-12:30 | Understanding immune cell dynamics and host-pathogen interactions in gut-associated lymphoid tissue during <i>Yersinia pseudotuberculosis</i> infections
Samriti Sharma, University of Münster |
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Poster awards

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| 12:30-13:00 | Awarding of poster prizes, outlook & closing remarks |
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We will take photos during the event for public communication purposes. If you do not wish to have any pictures taken of yourself, you may inform us at any time.