

Final Symposium of the Collaborative Research Center 1149 (CRC1149)

“Danger Response, Disturbance Factors, and Regenerative Potential after Acute Trauma”

Monday, November 9, 2026

- 11:30 **Registration**
- 12:00 **Lunch**
- 13:00 **Welcome**
Florian Gebhard (Speaker of CRC1149)
Thomas Wirth, Ulm, Germany (Dean of the Medical Faculty of Ulm University)
- 13:30 **Session I: Bridging clinical needs and mechanistic discovery**
Chairs: Ingo Marzi (Frankfurt, Germany), Hans-Christoph Pape (Zurich, Switzerland)
- 13:30 Ted Miclau (San Francisco, USA)
Clinical gaps in post-traumatic bone injuries: current advances to address needs
- 14:10 Michael Schuetz (Brisbane, Australia)
Ingredients to create excellence in trauma care
- 14:50 Frank Hildebrand (Aachen, Germany)
Mechanistic insights from an in vivo polytrauma model
- 15:30 **Coffee break**
- 16:00 Thomas Seufferlein (CRC1149)
Exosomes in trauma – messengers or controllers?
- 16:20 Rebecca Halbgebauer (CRC1149)
Mechanisms of acute kidney injury after trauma
- 16:40 **Session II: The future of trauma imaging**
Chairs: Borna Relja (CRC1149), Geoff Richards (Davos, Switzerland)
- 16:40 Volker Rasche (CRC1149)
Point-of-care MRI – utopia or near reality
- 17:00 Michael Götz (Ulm, Germany)
Challenges and promises of AI-supported imaging in trauma therapy
- 17:20 Helmut Schöllnast (Graz, Austria)
Radiology in polytrauma management
- 18:00 End of Day 1
- 19:30 **Faculty dinner (on invitation only)**

Tuesday, November 10, 2026

08:30	Session III: Stress, resilience and regeneration <i>Chairs: Anja Niehoff (Cologne, Germany), Peter Biberthaler (Munich, Germany)</i>
08:30	Johannes Grillari (Vienna, Austria) <i>Cellular senescence: a promising target in regeneration</i>
09:10	Michael Amling (Hamburg, Germany) <i>Early-onset osteoporosis</i>
09:50	Michael Bauer (Jena, Germany) <i>The stress response to trauma and infection: an evolutionary viewpoint</i>
10:30	Coffee break
11:00	Stefan Reber (CRC1149) <i>Building resilience against psychosocial trauma: the role of "old friends"</i>
11:20	Melanie Haffner-Luntzer (CRC1149) <i>Impact of psychosocial stress on bone regeneration</i>
11:40	Leda Dimou (CRC1149) <i>Glia at the crossroads of trauma and inflammation: roles in brain injury and recovery</i>
12:00	Lunch
13:00	Session IV: Regulation of tissue repair <i>Chairs: Volker Alt (Regensburg, Germany), Martin Stoddart (Davos, Switzerland)</i>
13:00	Thomas Pap (Münster, Germany) <i>Targeting the joint stroma to treat arthritis: pathways, pitfalls, and prospects</i>
13:40	Steffen Eisenhardt (Freiburg, Germany) <i>Innate immunity in tissue trauma and transplantation surgery – old hat or novel therapeutic and diagnostic target?</i>
14:20	Ralph Müller (Zurich, Switzerland) <i>The Wolff within us – or how bones learned to hear</i>
15:00	Coffee break
15:30	Sofia Meyer zu Reckendorf (CRC1149) <i>Peripheral nerve injury treatment: old compounds, new insights</i>
15:50	Francesco Roselli (CRC1149) <i>Neurotrauma in an RNA world</i>
16:10	Jan Tuckermann (CRC1149) <i>Glucocorticoids, immune metabolism and bone – key processes in trauma and regeneration</i>
16:30	Closing remarks Florian Gebhard (Speaker of CRC1149)
19:00	Congress dinner (pre-registration required)

Wednesday, November 11, 2026

**Emerging from CRC1149: Opening Symposium of the New Research Building
“Multidimensional Trauma Sciences” (MTW)**

Invited guests only

- 08:15 **Registration**
- 08:30 **Welcome and introduction to the MTW**
Markus Huber-Lang (CRC1149) and Anita Ignatius (CRC1149)
Michael Kühl (President of Ulm University)
Thomas Wirth (Dean of the Medical Faculty of Ulm University)
- 09:00 **Session I: Digital innovation and translation**
Chairs: Klemens Horst (Münster, Germany), Hans Kestler (Ulm, Germany)
- 09:00 Jan Baumbach (Hamburg, Germany)
Network medicine GPT – a network medicine foundation model for disease mechanism mining and drug repurposing
- 09:40 John Lambris (Philadelphia, USA)
Bench-to-bedside translation – implications for trauma
- 10:20 Marc Jeschke (Toronto, Canada)
Burn injury – challenges for the patient, scientist and clinician
- 11:00 **Coffee break**
- 11:30 **Session II: Precision biology of tissue repair**
Chairs: Hagen Schmal (Freiburg, Germany), Zsuzsa Jenei-Lanzl (Ulm, Germany)
- 11:30 Alexander Zarbock (Münster, Germany)
Acute kidney injury biomarkers – a path towards personalized medicine
- 12:10 Céline Colnot (Paris, France)
Transcriptomic and chromatin profiling of skeletal stem and progenitor cells during bone healing
- 12:50 Triantafyllos Chavakis (Dresden, Germany)
Inflammatory circuits in innate immune memory
- 13:30 **Lunch and guided tours of the MTW**
- 14:40 **Session III: From multi-omics to regenerative therapies**
Chairs: Henning Madry (Homburg/Saar, Germany), Alexander Kleger (Ulm, Germany)
- 14:40 Timothy Billiar (Pittsburgh, USA)
Novel insights from multi-omics studies in human trauma
- 15:20 Ernest Moore (Denver, USA)
Postinjury fibrinolysis: endotypes, phenotypes, and clinical implications
- 16:00 Georg Duda (Berlin, Germany)
Advancing musculoskeletal regeneration: addressing unmet patient needs with innovative bioengineering technologies
- 16:40 **Closing remarks**
Markus Huber-Lang (CRC1149), Anita Ignatius (CRC1149)
- 16:45 **Coffee break, departure**