

#### Housekeeping:

##### ° Registration

Please register in advance, if you plan to attend the meeting (by email to [sfb.1149@uniklinik-ulm.de](mailto:sfb.1149@uniklinik-ulm.de)).

##### ° Covid-19 plan

Due to the pandemic rules, each participant has to provide his/her mobile phone number during the process of registration. In addition, each participant has to sign a declaration that he/she is free of any symptoms and fully vaccinated. The declaration will be sent by email or can be signed at the registration desk. Antigen quicktests will be provided at the registration desk.

##### ° Public transport

For environmental purposes a 3-day ticket for public transport in Ulm will be provided free of charge. Please note, tickets need to be ordered in advance (by email to [sfb.1149@uniklinik-ulm.de](mailto:sfb.1149@uniklinik-ulm.de)). Pre-ordered tickets will be provided at the registration desk.



**SFB 1149**  
**TRAUMA**

**International  
Trauma Symposium Ulm  
CRC 1149**

19 - 21 | 09 | 2022

#### Meeting venue:

University of Ulm  
To Train U (TTU)  
James-Franck-Ring/  
Meyershofstraße  
89081 Ulm

#### Conference dinner:

Bootshaus  
Gänslände 10  
89073 Ulm  
(+49 7 31 8 34 56)  
[www.bootshaus-ulm.de](http://www.bootshaus-ulm.de)

#### Hotel:

LAGO Hotel  
Restaurant am See  
Friedrichsau 50  
89073 Ulm  
(+49 731 206 4000)  
[www.lago-hotel.de](http://www.lago-hotel.de)

#### Contact:

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## Day 1 | Monday, September 19, 2022

### To Train U (TTU), Ulm University

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11:00 Registration

11:30 Lunch

12:30 Welcome  
Florian Gebhard, Ulm, Germany

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Session title: **Acute Danger Response**

**Block A**

Chairs: Timothy Billiar (Pittsburgh, USA), Frank Hildebrand (Aachen, Germany)

13:00 Timothy Billiar, Pittsburgh, USA  
A multiomic approach to understanding the human response to severe injury

13:40 Anne Grunenwald, Paris, France  
Rhabdomyolysis, complement and inflammation

14:20 Pär I Johansson, Copenhagen, Denmark  
Shock induced endotheliopathy (SHINE) in trauma – a metabolomic systems analysis

15:00 Coffee and Snacks

15:20 Martin Schwab, Zurich, Switzerland  
From bench to bedside for a regeneration enhancing therapy for spinal cord injury

16:00 Markus Huber-Lang, Ulm, Germany  
PI of CRC 1149 project

16:20 Tobias Böckers, Ulm, Germany  
PI of CRC 1149 project

Hippocampal synapse loss in a trauma induced delirium like syndrome

19:00 Faculty Dinner

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## Day 2 | Tuesday, September 20, 2022

### To Train U (TTU), Ulm University

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Session title: **Disturbance Factors**

**Block B**

Chairs: Elisabeth Binder (Munich, Germany), Ingo Marzi (Frankfurt, Germany)

08:00 Sebastian Weis, Jena, Germany

Disease tolerance in sepsis

08:40 Matteo Bergami, Cologne, Germany

Mitochondrial dynamics in brain injury

09:20 Mervyn Singer, London, UK

Can we accelerate recovery and avoid sarcopenia?

10:00 Coffee and Snacks

10:20 Elisabeth Binder, Munich, Germany

Molecular mechanisms of gene x environment interaction: implications for psychiatric disorders

11:00 Aline Bozek, Erlangen, Germany

The control of inflammatory bone loss by L-arginine pathway

11:40 Francesco Roselli, Ulm, Germany

PI of CRC 1149 project

Neuronal control of local inflammatory response in brain trauma

12:00 Melanie Haffner-Luntzer, Ulm, Germany

PI of CRC 1149 project

Influence of psychosocial trauma on fracture healing

12:20 Lunch

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Session title: **Regenerative Potential**

**Block C**

Chairs: Johannes Grillari (Vienna, Austria), Sascha Halvachizadeh (Zurich, Switzerland)

13:20 Philipp Leucht, New York, USA

How understanding molecular mechanism in skeletal stem cell biology can lead to novel therapeutics

14:00 Martin Stoddart, Davos, Switzerland

Regulating MSC differentiation using mechanics

14:40 Coffee and Snacks

15:00 Christa Maes, Leuven, Belgium

Activation of reparative skeletal stem/progenitor cells for bone healing

15:40 Johannes Grillari, Vienna, Austria

From cellular senescence to tissue regeneration

16:20 Bent Brachvogel, Cologne, Germany

Metabolic dysfunction in endochondral ossification

19:00 Social program / Bootshaus (all participants)

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## Day 3 | Wednesday, September 21, 2022

### To Train U (TTU), Ulm University

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Session title: **Regenerative Potential**

**Block C**

Chairs: Stephan Zeiter (Davos, Switzerland), Philipp Leucht (New York, USA)

08:00 Nikolaus Plesnila, Munich, Germany

Long-term outcome after traumatic brain injury

08:40 Christian Bucher, Berlin, Germany

Immunoaging impacts fracture healing by altered signaling cascades

09:20 Gilbert Weidinger, Ulm, Germany

PI of CRC 1149 project

The role of cellular plasticity in zebrafish appendage regeneration

09:40 Jan Tuckermann, Ulm, Germany

PI of CRC 1149 project

Lessons from glucocorticoid action in bone

10:00 Coffee and Snacks

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**Animal modelling in trauma - Pros and cons**

**Podium**

Chairs/

Moderation: Jan Tuckermann (Ulm, Germany), Florian Gebhard (Ulm, Germany)

10:20 René H. Tolba, Aachen, Germany

Translational large animal models in trauma surgery and education

11:00 Stefan Treue, Göttingen, Germany

Pro-active communication about responsible animal research

11:40 Stephan Zeiter, Davos, Switzerland

Future / Outlook

Developing innovations in fracture care:

how to find the right pre-clinical model

12:20 **Open discussion**

All participants

12:50 **Closing remarks**

Florian Gebhard, Ulm, Germany

13:00 Coffee and Snacks,

**Individual departure**

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Organization:

Florian Gebhard, Markus Huber-Lang, Anita Ignatius, Jan Tuckermann, Leda Dimou, Stefan Reber