

## Day 1 | Wednesday, February 22, 2017

13:00 - 13:20		Welcome	N27, Research Building, Ulm University
<b>13:20 - 15:00</b>		<b>Session title: Acute danger response 1</b>	<b>Session 1</b>
Chairs			
13:20	K 1	<b>Keynote 1</b> <i>T. Mollnes (Oslo, Norway):</i> <b>The complement bridge between experiment and clinic</b>	
13:50	SFB 1	<i>M. Huber-Lang (Ulm)</i> <b>A1:</b> Early barrier dysfunction after polytrauma	
14:05	Ext 1	<i>D. Rittirsch (Zurich, Switzerland)</i> Keys to open the barrier during inflammation	
14:25	SFB 2	<i>T. Böckers (Ulm)</i> <b>A2:</b> Modulation of synaptic plasticity after trauma	
14:40	Ext 2	<i>M. Mägele (Köln)</i> Crosstalk of coagulation and traumatic brain injury	
15:00 - 15:30		Coffee and snacks	Foyer N27
<b>15:30 - 17:25</b>		<b>Session title: Acute danger response 2</b>	<b>Session 2</b>
Chairs			
15:30	K 2	<b>Keynote 2</b> <i>R. Leferring (Köln/WH):</i> <b>Big data analysis using the DGU Polytrauma registry</b>	
16:00	SFB 3	<i>Th. Wirth (Ulm)</i> <b>A3:</b> Consequences of cell-type-specific NF-κB modulation after traumatic brain injury	
16:15	Ext 3	<i>M. Bauer (Jena)</i> Organ-specific molecular profiling after trauma and sepsis	
16:35	SFB 4	<i>H. Barth (Ulm)</i> <b>A4:</b> Novel tools for targeted pharmacological modulation of trauma-associated functions in monocytes/macrophages	
16:50	Ext 4	<i>M. van Griensven (München)</i> Micro-RNAs regulate the posttraumatic immune response	
17:10	SFB 5	<i>M. Frick (Ulm)</i> <b>A5:</b> Cellular and molecular responses to trauma-induced damage of the distal respiratory epithelium	
17:25		End of scientific program	
18:00 - 20:00		Welcome evening	Foyer N27

## Day 2 | Thursday, February 23, 2017

		N27, Research Building, Ulm University	
<b>09:00 - 10:40</b>		<b>Session title: Acute danger response 3</b>	<b>Session 3</b>
Chairs			
09:00	K 3	<b>Keynote 3</b> <i>J.-M. Cavaillon (Paris, France)</i> <b>Compartmentalization of the inflammatory response</b>	
09:30	SFB 6	<i>S. Paschke (Ulm)</i> <b>A6:</b> Neutrophil extravasation and migration towards the site of injury	
09:45	Ext 5	<i>P. Kümpers (Münster)</i> Glycocalyx and neutrophil changes during systemic inflammation	
10:05	SFB 7	<i>G. Strauß (Ulm)</i> <b>A7:</b> Role of myeloid-derived suppressor cells (MDSCs) in trauma	
10:20	Ext 6	<i>F. Hildebrand (Aachen)</i> Validation of standard therapeutic management in pig polytrauma	
10:40 - 11:10		Coffee and snacks	Foyer N27
<b>11:10 - 12:30</b>		<b>Session title: Comorbidities 1</b>	<b>Session 4</b>
Chairs			
11:10	K 4	<b>Keynote 4</b> <i>P. Pickkers (Nijmegen, Netherlands)</i> <b>Hyp(er)oxia or hypothermia and inflammation</b>	
11:40	SFB 8	<i>P. Radermacher (Ulm)</i> <b>B3:</b> Hyperoxia after haemorrhagic shock with pre-existing atherosclerosis	
11:55	Ext 6	<i>P. Asfar (Angers, France)</i> Hyperoxia for the early treatment of septic shock	
12:15	SFB 9	<i>P. Radermacher (Ulm)</i> <b>B2:</b> H2S-related modulation of the trauma response in nicotine-caused COPD	
12:30 - 13:30		Lunch	Foyer N27
<b>13:30 - 14:50</b>		<b>Session title: Comorbidities 2</b>	<b>Session 5</b>
Chairs			
13:30	K 5	<b>Keynote 5</b> <i>E. Fontaine (Grenoble, France)</i> <b>Trauma and inflammation: should we target the mitochondrium?</b>	
14:00	SFB 10	<i>U. Knippschild (Ulm)</i> <b>B4:</b> Role of severe obesity in healing of muscle injuries	
14:15	Ext 7	<i>B. Relja (Frankfurt)</i> Role of ethanol in liver function after trauma	
14:35	SFB 11	<i>F. Roselli (Ulm)</i> <b>B5:</b> Ethanol intoxication as relevant comorbidity in traumatic brain injury	
14:50 - 15:15		Coffee and snacks	Foyer N27

<b>15:15 - 16:50</b>		<b>Session title: Regeneration 1</b>	<b>Session 6</b>
Chairs			
15:15	K 6	<b>Keynote 6</b> <i>Ch. Hartmann (Münster)</i> <b>Wnt signaling in bone regeneration</b>	
15:45	SFB 12	<i>A. Ignatius (Ulm)</i> <b>C1:</b> Mechanisms of IL-6 action in trauma-induced impairment of bone regeneration	
16:00	SFB 13	<i>J. Tuckermann (Ulm)</i> <b>C2:</b> Molecular mechanisms of glucocorticoid action during fracture healing after trauma	
16:15	Ext 8	<i>A. Dudeck (Magdeburg)</i> Role of mast cells in rheumatoid arthritis and fracture healing	
16:35	SFB 14	<i>G. Weidinger (Ulm)</i> <b>C3:</b> Trauma-induced signals promoting osteoblast plasticity in the zebrafish fin	
16:50 - 17:10		Coffee	Foyer N27
<b>17:10 - 18:45</b>		<b>Session title: Regeneration 2</b>	<b>Session 7</b>
Chairs			
17:10	K 7	<b>Keynote 7</b> <i>S. Di Giovanni (London, UK)</i> <b>Molecular mechanisms of axonal regeneration</b>	
17:40	SFB 15	<i>H. Geiger (Ulm)</i> <b>C4:</b> The role of stem cell circulation in trauma	
17:55	Ext 9	<i>H. Nawabi (Grenoble, France)</i> From development to repair	
18:15	SFB 16	<i>K. Scharffetter-Kochanek (Ulm)</i> <b>C5:</b> Role of ABCB5+ MSCs in niche homeostasis and repair after trauma	
18:30	SFB 17	<i>B. Knöll (Ulm)</i> <b>C6:</b> The impact of traumatic brain injury on neuronal integrity and nerve regeneration	
18:45		End of scientific program	
20:15		Conference Dinner	Wiley Club, Neu-Ulm

Day 3 | Friday, February 24, 2017

N27, Research Building, Ulm University

<b>9:00 - 10:20</b>	<b>Session title: From bench to bedside: Clinical implications</b>	<b>Session 8</b>
	Chairs	
09:00	K 8 Keynote 8 <i>F. Gebhard (Ulm)</i> MiS in Traumacare	
09:20	K 9 Keynote 9 <i>E. Giamarellos-Bourboulis (Athens, Greece)</i> Sepsis - new definitions - new concepts	
09:40	K 10 Keynote 10 <i>L. P. Leenen (Utrecht, Netherlands)</i> Polytrauma – Inflammation modulation	
10:00	K 11 Keynote 11 <i>H. Redl (Vienna, Austria)</i> Human derived cells and biomaterials	
10:20 - 10:30	Coffee	Foyer N27
<b>10:30 - 11:30</b>	<b>Round table: Impulse discussion</b>	
10:30 - 10:40	<i>C. Krettek (Hannover)</i> Quo vadis trauma research Panel <i>F. Gebhard, T. Wirth, L. P. Leenen, H. Redl, E. Giamarellos-Bourboulis, C. Krettek, M. Huber-Lang</i>	
<b>11:30</b>	<b>Closing remarks</b>	
11:45	Small lunch	Foyer N27



# International Symposium CRC 1149

22. - 24|02|2017

## Venue

**Meeting and welcome evening:**  
University of Ulm  
Research building N27  
Multimediaroom  
James Franck Ring/Meyerhofstraße  
89081 Ulm/Donau

**Conference dinner:**  
Wiley Club  
Wiley-Straße 4  
89231 Neu-Ulm  
(+ 49 731 86704)

**Hotel:**  
LAGO hotel & restaurant am see  
Friedrichsau 50  
89073 Ulm/Donau  
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