

Friday, April 04<sup>th</sup>
**Session 3: Neurobiology**

Chair: Karin Danzer

- 09:00-09:40 Axel Petzold, London, UK**  
Breaking down the Future for Biomarkers
- 09:40-10:00 Badrieh Fazeli, IGradU, Ulm**  
Immunoassay development for fluid biomarkers: from research to clinical implementation
- 10:00-10:20 Sarah Wirth, IGradU, Ulm**  
Studying the local transcriptome of excitatory synapses
- 10:20-10:40 Alicia Goreth IGradU, Ulm**  
Consequences of traumatic brain injury on the initiation and progression of Parkinson's Disease pathology
- 10:40-11:10 Coffee break and poster session**

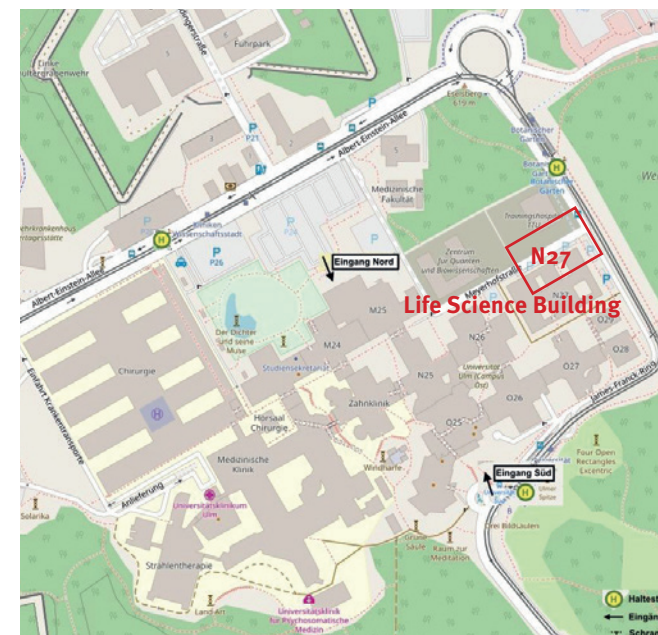

**Session 4: Virology, Toxicology and Biotechnology**

Chair: Holger Barth

- 11:10-11:50 Herbert Schmidt, Hohenheim, DE**  
Characterization of enterohemorrhagic Escherichia coli AB5 toxin subunits and their corresponding genes
- 11:50-12:10 Irina König, IGradU, Ulm**  
Unravelling the Role of CRISPR Screen-Derived Genes in the Uptake and Mode-of-Action of EHEC Subtilase Cytotoxin Subunit A
- 12:10-12:30 Hannes Schmietendorf, IGradU, Ulm**  
Towards a prime-boost vaccine platform based on different adenovirus types
- 12:30-13:30 Lunch break**
- 13:30-13:50 Jona Röscheise, IGradU, Ulm**  
From Cell Line Analysis to Production Optimization: A Multistep Approach for Lvvs
- 13:50-14:10 Nourice Jaber, IGradU, Ulm**  
The Antibacterial Activity of Histone Peptides against Pseudomonas aeruginosa
- 14:10-14:50 Vivek Thacker, Heidelberg, DE**  
Microphysiological models of airway immunity in Tuberculosis'
- 14:50-15:10 Coordination Office, IGradU**  
Information session concerning the new PhD-study regulations

Closing remarks

End of the meeting


**Contact**

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Chairman: Bernd Knöll

**Coordinators:**

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 Christiane Böhm  
 Lina Zaveleva

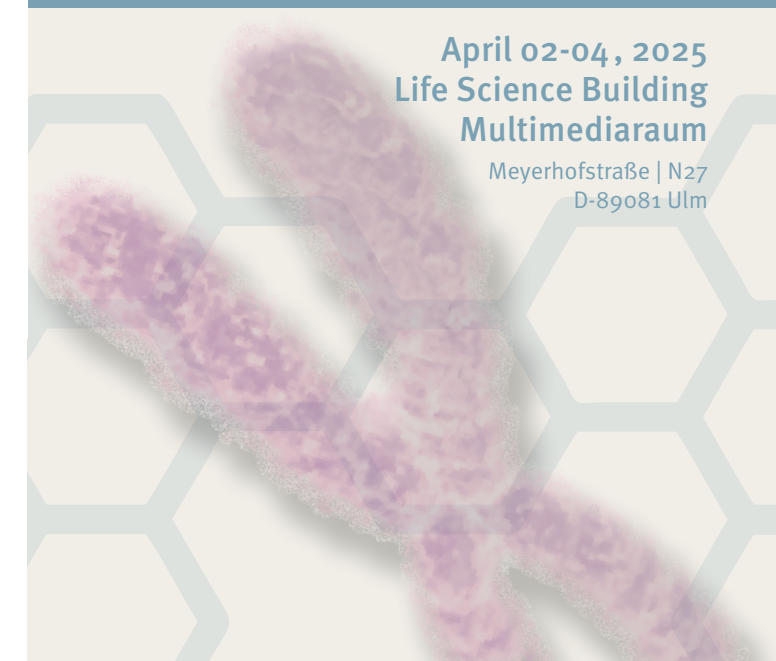
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# Spring Meeting 2025

April 02-04, 2025  
 Life Science Building  
 Multimediaraum

Meyerhofstraße | N27  
 D-89081 Ulm



International Graduate School  
 in Molecular Medicine Ulm

# Spring Meeting 2025

Wednesday, April, 02<sup>nd</sup>

Multimedia Room, Life Science Building

- 17:00 **Key Note Lecture**  
Chair: Alexander Kleger  
**Christoph Klein, Regensburg, DE**  
Insights into the invisible phase of systemic cancer: Genomic evolution and phenotypic plasticity of the metastatic seed
- 18:00 - **Inaugural Ceremony for the First-Year PhD-Students**  
- **Graduation Ceremony**  
- **Jutta & Wilfried Trumpp Award Ceremony** (for the participants of the programme “experimental medicine”)
- 19:00 **Come-Together-Party**



Thursday, April, 03<sup>rd</sup>

## Session 1: Collaborative Research Center 1149: Danger Response, Disturbance Factors and Regenerative Potential after Acute Trauma

Chair: Melanie Haffner-Luntzer

- 09:00-09:40 **Chelsea Bahney, San Francisco, USA**  
Where there's a Wnt there's a way to improve fracture healing: Developmental engineering approach to therapeutic innovation
- 09:40-10:00 **Sandra Dieterich, IGradU, Ulm**  
Role of adrenergic signaling in fracture healing of non-osteoporotic and osteoporotic bone
- 10:00-10:20 **Susa Savukoski, IGradU, Ulm**  
Unraveling the role of the complement system in platelet transfusion refractoriness
- 10:20-10:40 **Ann-Kathrin Eiers, IGradU, Ulm**  
Regulation of fibroblast-like synoviocytes by glucocorticoids in arthritis
- 10:40-11:00 **Nadja Abele IGradU, Ulm**  
Impact of Early Life Stress and sex on immune cell metabolism after ASDH and HS in swine
- 11:00-11:30 **coffee break and poster session**

Thursday, April 03<sup>rd</sup>

## Session 2a: Endocrinology and Oncology

Chair: Pamela Fischer-Posovszky

- 11:30-12:10 **Nieves Peltzer, Stuttgart, DE**  
Enhanced linear ubiquitination as a strategy to improve metabolic health
- 12:10-12:30 **Anja Werberger, IGradU, Ulm**  
miR-18a-3p enhances UCP1 expression and function in human adipocytes
- 12:30-12:50 **Chenge Xin, IGradU, Ulm**  
The effects of PURA haploinsufficiency on the human immune system
- 12:50-13:10 **Sandra Heller, medical scientist, Ulm**  
Diabetes-associated regulatory sequences reveal novel pathways in pancreatic development and disease
- 13:10-14:10 **Lunch break**



Thursday, April 03<sup>rd</sup>

## Session 2b: Oncology and Endocrinology

Chair: Franz Oswald

- 14:10-14:50 **Daniel Krappmann, München**  
Control of immune homeostasis and activation by T cell signaling
- 14:50-15:10 **Sara Greco, IGradU, Ulm**  
Multiparametric capture of dynamic changes in treatment responses in CTCs of metastatic breast cancer patients
- 15:10-15:30 **Tugba Memis, IGradU, Ulm**  
Biochemical and Functional characterization of Notch1 noncoding mutations using genome edited CLL cell models
- 15:30-15:50 **Lara Bejatovic IGradU, Ulm**  
Investigating the tissue-specific function of Tbx20 in zebrafish heart development
- End of the day I**

