

Friday, March 15<sup>th</sup>

### Session III: Aging, Development and (Re)Degeneration, Trauma, and Immune Modulation

Chair: Gilbert Weidinger

- 09:00-09:40** Ronald Kwon, Washington, USA  
„Phunctionalizing“ the genome in zebrafish
- 09:40-10:00** Jessica Schiele, IGradU, Ulm  
Effects of prenatal stress on male and female offspring of Mycobacterium vaccae - treated C57BL/6N mothers
- 10:00-10:20** Dominik Schlotter, IGradU, Ulm  
Aging at the interface of DNA damage and inflammation: Impact of the sex
- 10:20-10:40** Coffee break



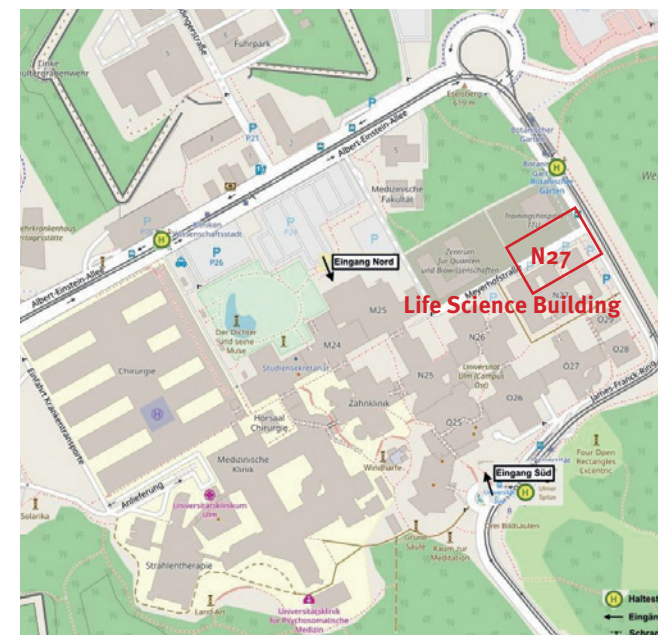
### Session IV: Systems Biology, Infectious Diseases and Metabolic Disorders

Chair: Jens von Einem

- 10:40-11:20** Stephen Graham, Cambridge, UK  
Multi-modal imaging of herpesvirus assembly
- 11:20-11:40** Stefanie Lietz, IGradU, Ulm  
The endogenous human protein  $\alpha$ 1-antitrypsin as a novel inhibitor of the Bordetella Pertussis toxin
- 11:40-12:00** Ulrike Büttner, IGradU Ulm  
Prediabetic phenotype accelerates development of pancreatic adenocarcinoma
- 12:00-12:20** Laura Cortez Rayas, IGradU, Ulm  
Secondary envelopment of HCMV is a fast process utilizing the endocytic compartment as membrane source
- 12:20-12:40** Sarah Abele, IGradU, Ulm  
Expanding AAV applicability as preclinical disease research tool

Closing remarks

End of the meeting



#### Contact

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Chairman: Bernd Knöll

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## Spring Meeting 2024

March 13 - 15, 2024  
Life Science Building  
Multimediarium

Meyerhofstraße | N27  
D-89081 Ulm



International Graduate School  
in Molecular Medicine Ulm



Spring Meeting 2024

Wednesday, March, 13<sup>th</sup>

Multimedia Room, Life Science Building

Session I: Satellite meeting of the Neurocentrum Ulm

Chair: Tobias Böckers

- 14.15-14:55

Eckart Gundelfinger, Magdeburg  
Dissonances in the presynaptic orchestra – Potential mechanisms of Bassoon-related human brain diseases
- 14.55-15:15

Maria Victoria Martinez Dominguez, IGradU, Ulm  
Long-term release delivery method of antisense oligonucleotides in hiPSC derived motoneurons from SMA disease
- 15.15-15:35

Yuhua Ma, IGradU, Ulm  
Activation of MAPK/ERK pathway correlates with impaired myelination in SHANK3 deficiency
- 15:35-16:15

Benjamin F. Grewe, Zürich, Switzerland  
Bridging Biological and Artificial Neuronal Networks
- 16:15-17:00

coffee break and poster session



Wednesday, March, 13<sup>th</sup>

- 17:00

Key Note Lecture  
Chair: Alberto Catanese  
Ritchie Ho, Los Angeles, USA  
Exploring New Dimensions of Amyotrophic Lateral Sclerosis with Human iPSC and Animal Models
- 18:00

Graduation Ceremony  
Bernd Knöll, IGradU, Ulm  
Chairman International Graduate School in Molecular Medicine Ulm, IGradU, Ulm

Come-Together-Party



Thursday, March 14<sup>th</sup>

Session I: Neurology II

Chair: Karin Danzer

- 09:00-09:40

Ina Vorberg, Bonn  
Protein aggregation goes viral: How viral proteins modulate the intercellular spreading of proteopathic seeds
- 09:40-10:00

Laura Meier, IGradU, Ulm  
Multiomic epitope and transcriptome single cell profiling in blood and brain cells from major depressive disorder patients
- 10:00-10:20

Lorena Decker, IGradU, Ulm  
Mechanism regulating the expression of the Fragile X Protein Family in neurodegenerative diseases
- 10:20-10.40

Yun Chen, IGradU, Ulm  
Characterization of Bcl11a/b transcription factors in multi-protein complexes during corticogenesis
- 10:40-11.00

coffee break

Thursday, March 14<sup>th</sup>

Session II: Oncology and Endocrinology

Chair: Reiner Siebert

- 11:00-11:40

Helene Kretzmer, Berlin  
Preneoplastic changes define the DNA methylome in Chronic Lymphocytic Leukemia
- 11:40-12:00

Cosima Drewes, IGradU, Ulm  
Genetic and Epigenetic Characterization of Chronic Lymphocytic Leukemia with IG-translocation
- 12:00-12:20

Thomas Schumacher, IGradU, Ulm  
A Deep Learning Approach to Enhance Treatment Response Prediction in Cancer
- 12:20-12:40

Anna Härle, IGradU, Ulm  
Does ATM deficiency provide a benefit to pancreatic tumor cells in a metabolic stress context?
- 12:40-13:30

Lunch break
- 13:30-14:10

Lothar Hennighausen, Bethesda, USA  
JAK/STAT and Single Nucleotide Variants that perturb homeostasis
- 14:10-14:30

Kim-André Lohse, IGradU, Ulm  
Interaction between the immune system and murine PDAC
- 14:30-14:50

Julia Wildfeuer, IGradU, Ulm  
Functional analyses of PTP1B in the classical Hodgkin's lymphoma
- 14:50-15:10

Ahmed Salem, IGradU, Ulm  
Mechanistic Evaluation of the First Peptide-based Human EndoGI Protecting Against Therapy-Induced MLL

closing remarks