

Programme of the 18th GGL Conference on Life Science

Day 1: Wednesday, 10.09.2025

08:30 - 09:00	Registration
09:00 - 09:15	Welcome Address: Prof. Dr. Wencke Gwozdz, JLU Vice President for Research and Graduate Studies
09:15 - 09:30	Opening Remarks: Prof. Dr. Eveline Baumgart-Vogt, Speaker of the GGL
Section 7: Bioresources, Bioinformatics and Biotechnology Chair: Adomako Asenso	
09:30 - 10:15	Keynote: Prof. Dr. Röbbbe Wünschiers, University of Applied Sciences Mittweida: <i>Monitoring Solitary and Honey Bee Health DNA Analyses</i>
10:15 - 10:30	Daniel Kreft: <i>Microbial Profiling Along the Value Chain of Insect Farming: Frass from Industrial Organic Side Streams as Organic Fertiliser</i>
10:30 - 11:00	Coffee Break
Section 2: Infection and Immunity Chair: Jobst Fischer	
11:00 - 11:45	Keynote: Prof. Dr. Klaus Brehm, University of Würzburg: <i>How to Turn an Embryo into an Alien Monster</i>
11:45 - 12:00	Caroline Busse: <i>Actin-Like Proteins 3 and 5a are Essential for Plasmodium Oocyst Formation and Development</i>
12:00 - 12:15	Martha Piche-Ovares: <i>A One Health Perspective on Arboviral and Zoonotic Fever Cases in Peru, 2020-2021</i>
12:15 - 12:30	Sean Seegert: <i>MicroRNA miR-181 Controls Development of Conventional αT Cells</i>
12:30 - 13:30	Lunch Break
Section 3: Heart, Lung and Blood Vessels Chair: Edma Loku	
13:30 - 14:15	Keynote: Prof. Dr. Marc Moritz Berger, Clinic for Anaesthesiology, Intensive Care Medicine, Emergency Medicine, and Pain Therapy at Ludwigsburg: <i>Adaptation and maladaptation to high altitude hypoxia – from noble prize to noble gas</i>
14:15 - 14:30	Leila Sotoodeh Atefi: <i>Identification of the Origin of Acta2 Positive Vascular Cells in Pulmonary Hypertension</i>
14:30 - 14:45	Eric Bienert: <i>Restraining Inflammation to Enable Regeneration: Junb as a Key Il11-Stat3 Effector in the Zebrafish (Danio rerio) Tissue Regeneration Model</i>
14:45 - 15:00	Mahsa Zabihi: <i>Persistence of Alveolar Fibroblast-Derived Adamts4+ Cells During Delayed Fibrosis Resolution in the Aged Lung</i>
15:00 - 15:15	Coffee Break
Section 9: Ecology and Global Change Chair: Brian L. Ongia	
15:15 - 16:00	Keynote: Dr. Andrea Ferrarini, Università Cattolica del Sacro Cuore, Piacenza, Italy: <i>Measuring Climate Impact in European Agriculture to Contribute to NetZero Targets</i>
16:00 - 16:15	Kujtim Gashi: <i>Influence of Early-Stage Miscanthus \times giganteus Strip Integration on Soil Water Retention and Temperature Dynamics in Annual Cropping</i>
16:15 - 16:30	Fabian Mitze: <i>Combining Participatory Monitoring and Remote Sensing with Machine Learning for High-Resolution Air Temperature Estimation</i>
16:45 - 19:00	Poster Session and Finger Food

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Day 2: Thursday, 11.09.2025

Section 1 (Nutrition and Metabolism) + 5 (Neurosciences) |

Chairs: Sophie Göbel and Henry Werk

- 09:00 - 09:45 PD Dr. Walburga Dieterich, Friedrich-Alexander University of Erlangen-Nuremberg: *From Grain to Gut: the Autoimmune Puzzle of Celiac Disease*
- 09:45 - 10:00 Andrea Diers: *Influence of Anthocyanins on the Expression And Activity of Transglutaminase 2*
- 10:00 - 10:15 Jan Stoll: *Induction of Neutrophil Extracellular Traps (NETs) in vitro Using LPS, Group B Streptococcus (GBS) or Bacterial Extracellular Vesicles (bEV) and its Role in Invasive Neonatal GBS Disease*

10:15 - 10:30 Coffee Break

Section 6: Reproduction in Man and Animals | Moumita Basak

- 10:30 - 11:15 Keynote: Dr. Sandra Laurentino, University of Münster: *DNA Methylation Landscape of Male Fertility: Influences of Ageing and Infertility*
- 11:15 - 11:30 Tiziana Grimaldini: *Cellular Dialogues in the Epididymis: The Role of Macrophage–Epithelial Cell Interactions*

11:30 - 12:00 General Assembly

12:00 - 13:00 Lunch Break

Section 4: Protein and Nucleic Acid Interactions | Chair: Kiriaki Kouti

- 13:00 - 13:45 Keynote: Prof. Dr. Sonja-Verena Albers, University of Freiburg: *The Cell Biology of Archaea*
- 13:45 - 14:00 Fabienne Becker: *The Conserved C-terminal Domain of Tho1 Stimulates the DEAD-box helicase Sub2*
- 14:00 - 14:15 Le Han Rössner: *The Reference Genome and Expression Atlas of California Poppy Reveal Different Evolutionary Modes of Metabolic Pathways and Floral Development*

14:30 - 16:45 Poster Session (incl Coffee Break) and Finger Food

Section 10: Clinical Sciences | Chair: Zahra Saboori

- 17:00 - 17:45 Keynote: PD Dr. Poornima Mahavadi, Department of Internal Medicine; German Center for Lung Research, Universities of Giessen & Marburg Lung Center, JLU Giessen: *RNA-Binding Proteins in Action: From Molecular Switches to Therapeutic Targets in Lung Fibrosis*
- 17:45 - 18:00 Declan Law: *Genome-wide Screening and Functional Analysis of Novel Protein Regulators of the HIF-signalling Pathway*
- 18:00 - 18:15 Julian Musa: *Histology-Driven Tailoring of Surgical Approaches in Retroperitoneal Soft Tissue Sarcoma: Retrospective Cohort Study*
- 18:15 - 18:30 Adriano Sanna: *Fasciola hepatica Eludes Biliary Tuft Cells in Rat*
- 18:30 - 19:00 Closing Remarks and Award Ceremony