

Programme of the 19th GGL Conference on Life Science

Day 1: Wednesday, 16.09.2026

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 10: Clinical Sciences Chair: Dr. Tim Wilhelmi	
09:30 - 10:15	Keynote: Dr. Nicolas Ktistakis, The Babraham Institute, Cambridge, UK: <i>The plasticity of the autophagic pathway: making autophagosomes big and small</i>
10:15 - 10:30	Tamal Sarkar: <i>IRE1α Provides Therapeutic Vulnerability and Prognostic Stratification in Patients with PDAC</i>
10:30 - 10:45	Huiji Li: <i>Deciphering aldosterone deficiency and pseudodeficiency in infancy by targeted GC-MS urinary steroid metabotyping</i>
10:45 - 11:15	Coffee Break
Section 6: Reproduction in Man and Animals Chair: Pia Holtkamp	
11:15 - 12:00	Keynote: Prof. Maria Agustina Battistone, Massachusetts General Hospital, Harvard, USA: <i>Guardians of Sperm: How Epithelial and Immune Cells in the Epididymis Shape Male Fertility</i>
12:00 - 12:15	Prabhu Subramani: <i>Functional and Metabolic Heterogeneity of Testicular Macrophages</i>
12:15 - 12:45	General Assembly
12:45 - 13:45	Lunch Break
Sektion 5 (Neurosciences) Chair: Daria Hennrichs	
13:45 - 14:30	Prof. Eveline Baumgart-Vogt, Institute for Anatomy and Cell Biology, Justus Liebig University Giessen: <i>Rise and Fall of Peroxisomes compared to Mitochondria in different States of Alzheimer's Disease</i>
14:30 - 14:45	Shirin Alami: <i>The Effects of Frontal Gamma-Transcranial Alternating Current Stimulation (tACS) on Auditory Attention and Working Memory</i>
14:45 - 15:15	Coffee Break
Section 4: Protein and Nucleic Acid Interactions Chair: Kiriaki Kouti	
15:15 - 16:00	Keynote: Dr. Milan Gerovac, Helmholtz Zentrum for Infection Biology, Brunswick, Germany: <i>To be or Not be Virulent as a Nucleus-forming Phage</i>
16:00 - 16:15	Theresa Dietz: <i>Ribosome heterogeneity under cold stress in bacteria</i>
16:15 - 16:30	Anina Niederer: <i>Selection and characterization of fully synthetic IgG fragments targeting Neurotensin 1 Receptor</i>
16:30 - 18:45	Poster Session and Finger Food

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Day 2: Thursday, 17.09.2026

Section 9: Ecology and Global Change | Chair: Johannes Zeidler

- 09:30 - 10:15 Keynote: Jayan Wijensingha, Organic Agricultural Sciences, Kassel University, Germany: *From pixels to decision: UAV remote sensing across agriculture and ecology*
- 10:15 - 10:30 Lukas Engelbach: Two Crops, One Field: Land-Use Efficiency of Wheat–Herb Strip Intercropping Across Sites and Years
- 10:30 - 10:45 Sarah-Olivia Peter: Beneath the Canopy: Spatio-Temporal Soil-Climate Dynamics in Three Alley Cropping Systems in Germany

10:45 - 11:15 Coffee Break

Section 7: Bioresources, Bioinformatics and Biotechnology | Chair: Lucas Machain

- 11:15 - 12:00 Keynote: Prof. Yoichi Honda, Lab of Forest Biochemistry, Kyoto University, Japan: *Genome editing and post-genomics in mushrooms*
- 12:00 - 12:15 Cristina Borghesi: *Next-generation pest control: engineering Y-linked genetic markers in Ceratitis capitata*

12:15 - 13:15 Lunch Break

Section 2: Infection and Immunity | Chair: Marta Piche-Ovares

- 13:15 - 14:00 Keynote: Prof. Alexander Visekruna, Institute for Medical Microbiology and Hospital Hygiene, Philipps University Marburg, Germany: *Modulation of host immune responses by gut microbiota-derived metabolites*
- 14:00 - 14:15 Tammy Schmidt: *Hypervirulent and multidrug-resistant Klebsiella pneumoniae in animals in Germany*
- 14:15 - 14:30 Dorothea Bünsow: *Staphylococcus aureus exploits the lung environment to cause persistent infections*
- 14:30 - 14:45 Frederik Stettler: *Schistosoma mansoni infection induces sex-specific liver injury and stress adaptation programs in HBsAg-transgenic mice*

14:45 - 17:00 Poster Session (incl Coffee Break) and Finger Food

Section 3: Heart, Lung and Blood Vessels | Chair: Dana Cojocaru

- 17:00 - 17:45 Keynote: Prof. Linda Brunotte, Department of Internal Medicine, Infectious Diseases and Infection Control, UKGM, Giessen, Germany: *Pathogenicity mechanisms and risk assessment of highly pathogenic avian influenza viruses in humans*
- 17:45 - 18:00 Mausam Rana: *Dynamic Epigenetic Landscape Remodeling Reveals Regulatory Programs Driving Cardiac Regeneration in Zebrafish*
- 18:00 - 18:15 Zahra Moazezi Tehrankhah: *Optimizing Human Alveolar Macrophage Culture Conditions from hMonocytes and hiPSCs for Modeling Environmental Lung Exposures*
- 18:15 - 18:30 Henrike Treis: *Impaired antioxidant defense increases susceptibility to pathological pulmonary vascular remodeling upon COPD-relevant exposure*

18:30 - 19:00 Closing Remarks and Award Ceremony