



**Jena School of Molecular Medicine**  
Member of the Jena Alliance Life in Focus –  
a project of the Carl-Zeiss-Stiftung

**Postgraduate Symposium**  
Thursday, 17<sup>th</sup> October 2024



**Altes Schloss Dornburg**  
Max-Krehan-Straße 4, 07774 Dornburg-Camburg

# Programme

<b>09:30</b>	<b>Registration</b>
<b>10:00</b>	<b>Welcome and presentation of the certificates to the new doctoral graduates</b>
<b>10:30 – 11:30</b>	<b>Session 1</b> <b>Chair: Maria Spourita, Boban Dobrevski</b>
10:30	<b>Sofie Englisch</b> <i>Institute of Biochemistry I</i> The N-Ank protein superfamily: comparing membrane shapers in neuromorphogenesis
10:45	<b>Keerthana Srinivasa Murthy</b> <i>Institute of Human Genetics</i> Pathophysiology of distal renal tubular acidosis
11:00	<b>Annamaria Manzolino</b> <i>Institute of Human Genetics</i> The role of INPP5K in ER-phagy
11:15	<b>Jenny Filor</b> <i>Institute of Molecular Cell Biology</i> The intracellular loop 3 of muscarinic acetylcholine receptors M2 and M4 determines the molecular acrobatics of $\beta$ -arrestin2
<b>11:30 – 12:00</b>	<b>Coffee Break</b>
<b>12:00 – 13:00</b>	<b>Session 2</b> <b>Chair: Pascal Fehringer, Atlasi Safaei</b>
12:00	<b>Jonas Ihle</b> <i>Department of Internal Medicine III</i> Sex-dependent expression of MORG1 in murine and human kidney cells
12:15	<b>Julia Regina Barthl</b> <i>Department of Internal Medicine III</i> MORG1 as a potential target for regulating autophagy in ageing kidneys

12:30 **Nasrin Haghazari Sadaghiani**  
*Institute of Molecular Cell Biology*  
Autophagy regulation in glyoxal-treated endothelial cells

12:45 **Shimin Sun**  
*Institute of Molecular Cell Biology*  
Regulation of SIRT7 stability in senescence and aging

**13:00 – 14:00 Lunch Break**

**14:00 – 15:30 Poster sessions**

**Poster session 1**

**Chairs: Jenny Rosendahl, Yvonne Löffler, Emily Richter-Riediger**

P1 **Sandra Vieweg**  
*Clinical Biophotonics*  
Mimic muscle fibre typing with MALDI-MSI: a comparison with Immunofluorescence

P2 **Marius Arnz**  
*Department of Otorhinolaryngology*  
Förderung der Nutzung und Ansteuerung einzelner aurikulärer Muskeln

P3 **Marvin Greiner**  
*Department of Experimental Orthopedics*  
Comparison of active and passive knee joint kinematics

P4 **Katharina Laura Urban**  
*Institute of Psychosocial Medicine, Psychotherapy and Psychooncology*  
Acceptability, feasibility, safety and efficacy of a perioperative hypnotherapeutic intervention in elderly patients undergoing cardiac surgery

P5 **Andre-Michel Knippenberg**  
*Department of Neurology, Section Translational Neuroimmunology*  
Influence of ASOs on the mononuclear-phagocytic system during SAE

P6 **Leonard Marx**  
*Department of Psychiatry and Psychotherapy*  
Association of BDNF with ketamine-induced changes in glutamate metabolism

P7 **Sadaf Dadashkhan**  
*Institute of Physiology II - Heart and Circulation Physiology*  
*Calcium ions modulate the activation of metabotropic glutamate receptors by glutamate*

## Poster session 2

Chairs: Otmar Huber, Regine Heller, Iris Pjeci

- P8 **Auguste Medert**  
*Institute of Biochemistry II, Inspire Lab*  
**Establishment of an isogenic liver fibrosis model derived from human induced pluripotent stem cells (hiPSC)**
- P9 **Elisa Grubert**  
*Department of Internal Medicine IV*  
The importance of the soluble TREM2 receptor in relation to inflammatory complications in patients with decompensated liver cirrhosis
- P10 **Luisa Schuck**  
*Department of Cardiothoracic Surgery*  
Influence of mitochondrial DNA on mitochondrial performance in rats with high and low physical performance
- P11 **Finn Bretschneider**  
*Institute of Pharmacology and Toxicology*  
Evaluierung von Nanobody Nb35 als MOP-Antagonist und Modulator der  $\mu$ -Opioidrezeptorfunktion
- P12 **Cristian A. Lombo**  
*Institute of Pharmacy and Food Chemistry, University of Würzburg*  
Correlating Structure-activity Relationship analysis with luminescence assays in living cells to improve muscarinic M1-selective bitopic ligands
- P13 **Wenjing Hu**  
*Center for Molecular Biomedicine*  
Sirt6 deficiency affects T cell immune response

## Poster session 3

Chairs: Stefanie Deinhardt-Emmer, Nico Andreas, Zuraiha Waffa

- P14 **Noah Glebe**  
*Institute of Biochemistry II*  
Investigation of the expression and function of nexilin-isoforms during heart maturation
- P15 **Victoria Thimme**  
*Functional Proteomics*  
Histology-guided proteomics of spontaneous metastasis xenograft models of human pancreatic cancer
- P16 **Mahdi Jamili**  
*Department of Biophysics, CMB*  
Mg(II)-protoporphyrin IX specifically inhibits human voltage-gated Na<sup>+</sup> channels NaV1.5 and diminishes cancer cell migration
- P17 **Hermine Wenzel**  
*Department of Hematology and Medical Oncology Jena University Hospital*  
Effects of tyrosine kinase inhibition and venetoclax treatment on autophagy in CML

P18 **Nicolas Raphael Schnellbacher**  
*Institute of Human Genetics*  
*Investigating the rule of autophagy in a congenital disorder of glycosylation*

P19 **Julia Armstroff**  
*Institute of Medical Microbiology*  
Mitophagy of alveolar macrophages during microbial infection and its contribution to lung fibrosis

**15:30 – 16:30** **Session 4**  
**Chairs: Hannah Am Ende, Luisa Fillipini**

15:30 **Sarah Bühler**  
*Department of Anesthesiology and Intensive Care Medicine*  
Ras localization in the context of SPRED1 regulated retromer trafficking

15:45 **Gupse Özcan Setenay**  
*Institute of Molecular Cell Biology*  
The novel tumor suppressor RFX7 is a potential mediator for differentiation therapy in acute myeloid leukemia

16:00 **Yasmina Reißer**  
*Institute of Medical Microbiology*  
Telomerase RNA component knockout exacerbates *S. aureus* pneumonia by extensive inflammation and dysfunction of T cells

16:15 **Mahdi Jamili**  
*Department of Biophysics, CMB*  
Targeting Cardiac Sodium Channels to Inhibit Cancer Cell Migration: A potential Therapeutic Strategy

**16:30** **Concluding Remarks**