



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

Postgraduate Symposium
Thursday, 9th October 2025



FSU Rosensäle
Fürstengraben 27, 07743 Jena

Programme

09:00	Registration
9:30	Welcome and presentation of the certificates to the new doctoral graduates
10:00 – 11:30	Session 1 – Poster Session with Coffee and Snacks
10:00	Posterpitch (P1 – P9) One slide – one minute
P1	Dhanasekaran Rathinam <i>Institute of Human Genetics</i> CCB79 is a primate-specific cilium initiation factor essential to maintain neural progenitor diversity in developing brain tissue
P2	Nana Li <i>Institute of Biochemistry I</i> Investigation of mechanisms controlling actin filament formation underlying neuronal morphogenesis
P3	Leonie Jaster <i>Institute of Biochemistry I</i> Exploring the interactome of N-Ank proteins
P4	Luisa Filippini <i>Department of Neurology</i> The role of astrocytes in the pathophysiology of Alzheimer's Disease
P5	Andre-Michel Knippenberg <i>Department of Neurology</i> Influence of ASOs on the mononuclear-phagocytic system during SAE
P6	Helena Barbara Meier <i>Department of Neurology</i> The impact of the GABAergic system on the autophagy of amyloid precursor protein and amyloid plaques
P7	Karoline Tiroke & Helene Prochaska <i>Department of Neurology</i> NeuroActive: Investigating effects of physical activity on reward system & motor learning post-stroke

P8 **Marlene Müller**
Department of Paediatric and Adolescent Medicine
Validation of a non-invasive sleep monitoring system for premature infants in long-term use

P9 **Shannon Wolf**
Department of Obstetrics, Placenta Lab
The expression of microRNAs in placentas of growth-restricted newborns

11:30 – 12:15 **Session 2 – Oral Presentations**

11:30 **Keerthana Srinivasa Murthy**
Institute of Human Genetics
Pathophysiology of distal renal tubular acidosis

11:45 **Annamaria Manzolilo**
Institute of Human Genetics
The role of INPP5K in ER-phagy

12:00 **Julia Regina Barthl**
Department of Internal Medicine III
MORG1 as a potential target for regulating autophagy in the ageing kidney

12:15 – 13:15 **Lunch Break**

13:15 – 14:00 **Session 3 – Oral Presentations**

13:15 **Tejas Borkar**
Institute of Human Genetics
Characterizing glioblastomas using human brain organoids: Strategies for personalised medicine exploiting primary cilia dynamics in glioma stem cells

13:30 **Aigerim Kassym**
Functional Proteomics
Robust proteome and phosphoproteome analysis of archived hematological biopsies preserved in standard buffers for nucleic acid isolation

13:45 **Mahdi Jamili**
Department of Biophysics, CMB
Mg-protoporphyrin IX traps the voltage sensor of cardiac Na⁺ channels

14:00 – 15:30

Session 4 - Poster Session with Coffee and Cake

14:00

Posterpitch (P10 – P19)

One slide – one minute

P10

Jiaxin Fu

Department of Anesthesiology and Intensive Care Medicine, CMB

The impact of sphingosine kinase 1 inhibitors on endothelial barrier function

P11

Sebastian Raßbach

Institute of Biochemistry II

Investigation of function and regulation of nexilin in endo-/epithelia

P12

Qamar Abbas

Institute of Biochemistry II

Nitrilases in stress response and aging (NitStrAg)

P13

Payton Bogert

Department of Paediatric and Adolescent Medicine

Impact of MAPKi treatment on DUSPi sensitivity in pLGG cells

P14

Antonia Hammerschmidt

Institute of Forensic Medicine, Section Pathology

Multiplex immunofluorescence (mIF) – Investigations of the spatial organisation of oncofetal proteins fibronectin and tenascin-C and the laminin g2 chain in oral squamous cell carcinoma (OSCC)

P15

Julia Kemnitzer

Department of Anesthesiology and Intensive Care Medicine

Influence of extracellular vesicles on the activation of inflammasomes in organ failure

P16

Sawani Mahajan

Department of Internal Medicine I

Increased donor age dictates differential plasticity in adipose-derived mesenchymal stem cells

P17

Courage Edem Kumah

Department of Cardiothoracic Surgery

Autophagy and cardiolipin isoform shifts following transverse aortic constriction in rats

P18

Julian Voll

Department of Cardiothoracic Surgery

Bat versus mouse fibroblasts: Transcriptomic insights into inflammation

P19

Luisa Schuck

Department of Cardiothoracic Surgery

Influence of mitochondrial DNA on mitochondrial performance in rats with high and low intrinsic running capacity

15:30 – 16:30

Session 5

15:30

Boban Dobrevski

Institute of Molecular Cell Biology

PTPRJ (Dep-1) and PTPRC (CD45) keep oncogenic FLT3 ITD in check

15:45

Gupse Özcan Setenay

Institute of Molecular Cell Biology

RFX7 as a potential regulator for differentiation therapy in acute myeloid leukemia

16:00

Maria Spourita

Institute of Biochemistry I

Investigation of molecular mechanisms regulating Arp2/3 complex-mediated actin filament formation in neurons

16:30

Concluding Remarks

Upcoming Events



15.10.2025

JSAM Abschluss-Symposium

14:00 - 17:00, Hörsaal 2

06.11.2025

IZKF Lecture

16:00 - 17:30 Uhr, Hörsaal 2

27.11.2025

JSMM Minisymposium

13:00 - 18:00 Uhr, Hörsaal 2

10.12.2025

Medical and Clinician Scientist Symposium

13:00 - 18:00 Uhr, Hörsaal 2