



Med Uni  
Graz

*Pioneering Minds*

# OTTO LOEWI RESEARCH CENTER SCIENCE DAY 2024

THURSDAY, FEBRUARY 15<sup>TH</sup> 2024

HÖRSAAL MC2 | MEDICAL UNIVERSITY OF GRAZ

NEUE STIFTINGTALSTRASSE 6 | 8010 GRAZ

## SESSION 1 | DIVISION OF PHARMACOLOGY

8.30 Welcome from

- Prof. Andrea Kurz  
Rector of the Medical University of Graz
- Prof. Christian Enzinger  
Vice Rector of Research and International Affairs

8.40 Prof. Akos Heinemann

Head of Division and Chair of the Otto Loewi Research Center

8.55 Dr. Aitak Farzi

A translational model to study gut-brain signaling in psychiatric disorders

9.20 Dr. Eva Gruden

The role of the endocannabinoid system in Eosinophilic Esophagitis

9.45 Dr. Susanne Sattler

The dual role of adaptive immune cells in ischaemic heart disease

10.10 3-MINUTES FLASH TALKS

- Reham Atallah  
Succinate as a regulator of endothelial function
- Anna Lueger  
Myeloperoxidase alters T cell function in non-small cell lung cancer
- Svetlana Pahernik  
Aging eosinophils: transcriptome to targets
- Giulia Petracco  
Sex-based differences in a mouse model of experimental colitis housed in environmental enrichment
- Alankrita Rani  
Synthetic HDL nanodiscs in pulmonary inflammation

10.25 Coffee break/networking 30 min

## SESSION 2

### DIVISION OF PHYSIOLOGY AND PATHOPHYSIOLOGY

10.55 Prof. Elena Osto

Head of Division

11.05 Dr. Monica Christova

Noninvasive Brain Stimulation to Study the Brain

11.30 Dr. Jürgen Gindlhuber

Systemically circulating bile acids as mediators of inflammation

11.55 Dr. Paul Vesely

Lipid hydrolysis is essential for lung regeneration

12.20 3-MINUTE FLASH TALKS

- Andrej Bergauer  
Developing a JVP machine - a device for automatic deep vein thrombosis detection in terrestrial and microgravity environments
- Frederike Fellendorf  
Smartphone apps: an approach in treating bipolar disorder?
- Pamela Waked  
Sex difference in Systemic sclerosis: are males and females the same?
- Gabriela Wojcik  
Vigilantes of the lung: Lipids and what they do in lung fibrosis
- Bernhard Reiter  
Immunophenotyping of pulmonary hypertension associated with chronic lung diseases

12.35 Lunch 45 minutes

## SESSION 3 | DIVISION OF MEDICINAL CHEMISTRY

13.20 Prof. Tobias Madl  
Head of Division

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13.30 Dr. Benjamin Bourgeois  
Molecular details of  $\beta$ -catenin self-association, nuclear import and regulation by Post Translational Modifications

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13.55 Prof. Gerhard Cvirn  
Workgroup Coagulation/Atherosclerosis: Current research topics

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14.20 Dr. Gerd Hörl  
Experimental Atherosclerosis in Rabbits Revisited

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### 14.45 3-MINUTES FLASH TALKS

- Denys Balandin  
Establishing the Molecular Basis of TCF/LEF Interaction  
Network: Novel Insights in Wnt Signaling
- Marco Eigenfeld  
Nano-targeted yeast separation: effects of age on stress, aroma and biomass
- Yukti Khanna  
Disordered regions regulate the interaction between p53 and the mRNA export THOC4
- Anastasia Rakhimbekova  
Structural and functional studies of FOXM1 regulation by  $\beta$ -catenin
- Juan Toledo  
STIM-Orai Based Peptidomimetics for CRAC Channel Modulation

15.00 Coffee break/networking 30 min

## SESSION 4 | DIVISION OF IMMUNOLOGY

15.30 Prof. Herbert Strobl  
Head of Division

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15.40 Dr. Nassim Ghaffari Tabrizi-Wizsy  
10 years of CAM lab at a glance

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16.05 Dr. Sonja Rittchen  
Are extracellular nucleotides shaping a T cell subset-specific response when encountering threats?

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16.30 Dr. Christa Schimpel  
A novel cell culture model to study the human small intestinal immune landscape

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### 16.55 3-MINUTES FLASH TALKS

- Sally Connolly  
BHLHE40-dependent regulation of Langerhans cell residency
- Sebastian Dams  
A plant-based fatty acid food supplement can increase erythrocytes' omega-3-index
- Elena Ellmeier  
Succinate promotes type 2 T cell polarisation
- Bianca Fuchs-Neuhold  
The Impact of Pregnancy and Delivery on Lifestyle Associated Risk Factors in Mother-Child Pairs
- Anja Zdouc  
Exploring differential response of aged T cells to extracellular nucleotides

17.10 **Plenary Lecture Prof. Bernd Nidetzky**  
Institute of Biotechnology and Biochemical Engineering,  
Technical University of Graz

17.45 Meeting closure, prize announcements

**DINNER AND SOCIAL HOURS**



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