Med Uni Graz

Pioneering Minds

OTTO LOEWI RESEARCH CENTER SCIENCE DAY 2025

THURSDAY, FEBRUARY 6TH 2025
HÖRSAAL MC4 | MEDICAL UNIVERSITY OF GRAZ
NEUE STIFTINGTALSTRASSE 6 | 8010 GRAZ

WELCOME FROM

9:00
- Prof. Andrea Kurz
  Rector of the Medical University of Graz
- Prof. Christian Enzinger
  Vice Rector of Research and International Affairs
- Prof. Akos Heinemann
  Head of the Otto Loewi Research Center

SESSION 1
CANCER AND FIBROSIS

9:20 Katharina Jandl
Basement membrane matrikines as active players in acute lung injury

9:40 Artem Kalinichenko
Immunosurveillance of cancer metabolism

10:00 Julia Kargl
Transcriptional ambivalence: mapping predictive profiles in immunotherapy responses in non-small cell lung cancer

10:20 4-MINUTES FLASH TALKS
- Valentina Biasin: Fat said to fibroblasts: "We be-lung together"
- Sem Peijnenborgh: Intereference of beta-catenin-mediated transcriptional regulation in ageing
- Nemanja Radic: Biglycan – Modulator of cellular behavior and communication
- Ana Luisa Santiso Sanchez: Next generation TIL-Therapy

10:40 COFFEE BREAK | NETWORKING

SESSION 2
STRUCTURAL BIOLOGY AND TRANSLATIONAL MEDICINE

11:10 Hansjörg Habisch
NMR metabolomics: facts, myths, and future perspectives

10:30 Karl Öttl
Human serum albumin: transport- and redox-partner

10:50 Iva Pritisanac
Unveiling the unstructured biology of the cell

12:10 4-MINUTES FLASH TALKS
- Irina Lushpinskaia: Deciphering the intricate molecular mechanisms of β-catenin regulation
- Tobias Huberts: Uncovering methylation dynamics in ageing and age-related diseases
- Lea Vetter: Exploring the immunometabolic effects of treatment with Dimethyl Fumarate in multiple sclerosis
- Julia Walter: How pyruvate kinases M2 hidden functions may control T cell pathogenicity in multiple sclerosis

12:30 LUNCH

SESSION 3
METABOLISM

13:30 Katharina Leithner
Metabolic adaptation of lung cancer cells and macrophages

13:50 Karin Schmid-Zalaudek
'Health and Academic Performance with Happy Children' – preliminary results of a physical activity intervention in schools

14:10 Sandra Holasek
Interindividual differences in plant-based food tolerability linked to gut microbiome and metabolome

14:30 4-MINUTES FLASH TALKS
- Isabella Klemen: Th2 awakening: exploring the succinate-GPR91 axis in T cell-mediated anti-tumor immunity
- Isabella Faimann: The Gut Feeling: how antibiotics may affect your mind
- Franziska Kiem: Carotenoid detection in blood plasma and skin: a comparative study using HPLC and non-invasive spectroscopy
- Anna Lorenz: Immunological insights in healthy aging: a study on immunological aging in healthy individuals

14:50 COFFEE BREAK | NETWORKING

SESSION 3
INFLAMMATION AND CARDIOVASCULAR RESEARCH

15:20 Eva Böhm
The circadian clock in inflammation

15:40 Magdalena Grill
New insights into pathological alterations in vocal fold fibroblasts of patients with Reinke's edema

16:00 Leigh Marsh
Does a dysfunctional immune response underlie pulmonary fibrosis?

16:20 4-MINUTES FLASH TALKS

- Olaya Esparta Gonzalez: Plasmacytoid dendritic cells in pulmonary arterial hypertension
- Thomas Lins: Immune-/endothelial cell cross talk drives pathogenic remodeling in the lung
- Agnes Mooslechner: Enhanced renal tissue regeneration and functional recovery with IL-15 treatment in acute kidney injury
- Anirudh Subramanian Muralikrishnan: Incretins, immune cells and vascular endothelial cells – Love or Bermuda triangle?
- Julia Teppan: The disrupted molecular circadian clock of monocytes and macrophages in allergic inflammation

16:40 PLENARY LECTURE
Prof. Martina Schweiger, Institute of Molecular Biosciences, University of Graz
Mechanisms of adipose tissue loss in cancer associated cachexia

17:30 MEETING CLOSURE AND PRIZE ANNOUNCEMENT

DINNER AND SOCIAL HOURS

The meeting has been registered for DFP (Continuing Medical Education) points for medical doctors. Attendance to the meeting will be recognized with 8 DFP points.