



HEIDELBERG METABOLOMICS SYMPOSIUM 2023

METABOLISM IN CANCER AND INFLAMMATION RESEARCH

8:30 *Registration*

SESSION I : METABOLOMICS IN CANCER RESEARCH #1

- 9:00 **Prof. Dr. Kathrin Thedieck** (University Innsbruck; Austria)
Methionine and tryptophan metabolism control oncogenic signaling through the PI3K-mTOR network
- 9:30 **Prof. Dr. Alpaslan Tasdogan** (University Clinics Essen; Germany)
Targeting metabolic liabilities in cancer metastasis
- 10:00 **Prof. Dr. Ilaria Elia** (KU Leuven; Belgium)
The role of cancer cells in dictating anti-tumor immune responses by modulation of specific metabolic pathways
- 10:45 *Coffee Break*
- 11:15 **Dr. Johannes Meiser** (Luxembourg Institute of Health; Luxembourg)
Plasticity of one-carbon metabolism in context of cancer
- 11:45 **Dr. Daniel Sevin** (GSK Cellzome, Heidelberg, Germany)
Synergistic effects of PARP inhibition and cholesterol biosynthesis modulation
- 12:30 *Lunch and get together*

SESSION II : METABOLOMICS IN INFLAMMATION RESEARCH

- 13:30 **Dr. Simon Reider** (Johannes Kepler University Linz, Austria)
Metabolomic determinants of response to therapy with the anti-integrin antibody Vedolizumab in Inflammatory Bowel Diseases
- 14:00 **Prof. Dr. Klaus Schmetterer** (Medical University Vienna, Austria)
A multi-omics based anti-inflammatory immune signature characterizes long COVID-19 syndrome
- 14:30 **Dr. Sai Wang** (University Clinics Mannheim; Germany)
TGFb1 inhibits cholesterol metabolism in hepatocytes to facilitate cell death, EMT, and signals for HSC activation
- 15:00 **Dr. Gorjana Rackov** (BiomedX; Heidelberg, Germany)
Mitochondrial Dysfunction in Autoimmunity and Neuroinflammation – the role of extracellular vesicles
- 15:30 *Coffee Break*

SESSION III : METABOLOMICS IN CANCER RESEARCH #2

- 16:00 **Dr. Wilhelm Palm** (German Cancer Research Center Heidelberg; Germany)
Metabolic stress adaptations in cancer
- 16:30 **Prof. Dr. Thomas Seyfried** (Boston College; USA)
Cancer as a Mitochondrial Metabolic Disorder
- 17:00 *Closing remarks and end of Symposium*