

# Metabolomics HEALTH Meeting

## Date

November 13, 2023  
10:00 pm – 17:00 pm CET

## Location

Medical University Graz | Assembly hall (Aula)  
Raumnummer MC1.A.EG.002 | Neue Stiftingtalstraße 6 | 8010 Graz

## Welcome



10:00 - 10:10

### Greeting

**Stefan Ledinger, MA BSc**  
biocrates life sciences ag, Innsbruck | Austria

## Session 1 — Metabolomics in cancer research Session chair — Stefan Ledinger, biocrates life sciences ag



10:10 - 10:35

### Excavating the breeding ground of chronic disease with metabolomics

**Dr. Alice Limonciel**  
biocrates life sciences ag, Innsbruck | Austria



10:35 - 11:00

### O-linked N-acetylglucosamine transferase drives the proliferative state of adaptive cancer drug resistance

**Prof. Helmut Schaidler**  
University of Queensland, Frazer Institute, Faculty of Medicine, Woolloongabba | Australia



11:00 - 11:25

### Metabolic reprogramming during OGT driven states of acquired drug resistance

**Dr. Christoph Magnes**  
JOANNEUM Research Health, Graz | Austria



11:25 - 11:50

### Cerebral open microperfusion as a model system to study metabolism in mouse xenograft glioblastoma

**Dr. Thomas Altendorfer-Kroath**  
JOANNEUM Research Health, Institute for Biomedical Research and Technologies, Graz | Austria

11:50 - 13:15 | Lunch and get together

Session 2 — Metabolomics in cardiometabolic disease  
Session chair — Elmar Zügner, JOANNEUM Research



13:15 - 13:40

**Metabolic insights into the failing heart - the mitochondrial fingerprint of tachycardiomyopathy**

**Dr. Alexander Dietl**

University Regensburg, Regensburg | Germany



13:40 - 14:05

**Lipidomics for diagnosis and prognosis of pulmonary hypertension**

**Dr. Natalie Bordag**

Medical University Graz, Department of Dermatology and Venereology, Graz | Austria



14:05 - 14:30

**QCbyPESI: Detection of low quality blood samples by their metabolomic fingerprint using machine learning techniques**

**Dr. Monika Oberhuber**

CBmed GmbH Center for Biomarker Research in Medicine, Graz | Austria

14:30 - 14:50 | Coffee break

Session 3 — Recent highlights from clinical metabolomics research  
Session chair — Christoph Magnes, JOANNEUM Research



14:50 - 15:15

**Tumor metabolic signatures and PDC-based drug response in adult-type diffuse glioma**

**Dr. Julia Bandres-Meriz**

Center for Biomarker Research in Medicine, Graz | Austria



15:15 - 15:40

**Metabolome in akute kidney injury of cirrhosis patients**

**Dr. Angela Horvath**

Medical University Graz, Center for Biomarker Research in Medicine, Graz | Austria

15:40-15:50 | Closing remarks 15:50-17:00 | Get together