

Metabolism-based Cancer Therapy Symposium

Tuesday, November 26, 2024 · ONLINE

12:15 – 12:20 p.m. CET **Welcome and opening remarks**
Ekaterina Balaian, Dresden, Germany
Mohamed Elgendy, Dresden, Germany

SESSION 1 **Metabolism and its impact on metastasis
and the tumor microenvironment**
session chair Leonie Kunz-Schughart

12:20 – 12:40 p.m. CET **Harnessing tumor metabolism to overcome immunotherapy resistance**
Massimiliano Mazzone, Leuven, Belgium

12:50 – 1:10 p.m. CET **Application of lipidomics approaches to identify exploitable vulnerabilities in cancer**
Johan Swinnen, Leuven, Belgium

SESSION 2 **Innovative technologies in cancer metabolism and biomarker discovery**
session chair Ekaterina Balaian

1:20 – 1:40 p.m. CET **Targeting mitochondria and glutamine pathway in myeloid malignancies**
Natalia Baran, Houston, USA

1:50 – 2:10 p.m. CET **Leveraging AI/ML for deep dive metabolomics in biomarker discovery**
Facundo Fernández, Atlanta, USA

2:20 – 2:40 p.m. CET **Break**

SESSION 3 **Immunometabolism: From inflammation control to CAR/T cell therapy**
session chair Triantafyllos Chavakis

2:50 – 3:10 p.m. CET **Metabolic checkpoints controlling onset and resolution of inflammation**
Gerhard Krönke, Berlin, Germany

3:20 – 3:40 p.m. CET **Reprogramming of immunometabolism of CAR/T cells**
Camille Bigenwald, Villejuif Cedex, France

3:50 – 4:05 p.m. CET **Concluding remarks, outlook, sponsor acknowledgment and closing**
Ekaterina Balaian, Dresden, Germany
Mohamed Elgendy, Dresden, Germany

register now



PROGRAM

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SCIENTIFIC DIRECTION

Ekaterina Balaian

Medical Clinic I, University Hospital Carl Gustav Carus Dresden, Technische Universität Dresden

Leoni Kunz-Schughart

OncoRay – National Center of Radiation Research in Oncology, University Hospital Carl Gustav Carus Dresden, Technische Universität Dresden

Martin Bornhäuser

Medical Clinic I, University Hospital Carl Gustav Carus Dresden, Technische Universität Dresden

Mohamed Elgendy

Institute for Clinical Chemistry, University Hospital Carl Gustav Carus Dresden, Technische Universität Dresden

Triantafyllos Chavakis

Institute for Clinical Chemistry, University Hospital Carl Gustav Carus Dresden, Technische Universität Dresden

SPEAKERS

Natalia Baran

MD Anderson Cancer Center, Department of Leukemia Immunometabolism:
From inflammation control to CAR/T cell therapy
Division of Cancer Medicine
13900 Katy Freeway, Texas 77079, Houston, USA

Camille Bigenwald

Institut de Cancérologie Gustave Roussy, Gustave Roussy Tumour immunology and immunotherapy
114, rue Edouard-Vaillant, 94 805 Villejuif Cedex, France

Facundo Fernández

Georgia Institute of Technology, School of Chemistry and Biochemistry
ES&T L1244, 901 Atlantic Drive, Atlanta, GA 30332, USA

Gerhard Krönke

Charité – Universitätsmedizin Berlin Medizinischen Klinik mit Schwerpunkt Rheumatologie und Klinische Immunologie
Charité Mitte, Charitépl. 1, 10117 Berlin, Germany

Massimiliano Mazzone

VIB Center for Cancer Biology, Department of Oncology, University of Leuven, Campus Gasthuisberg
Herestraat 49, box 912, 3000 Leuven, Belgium

Johan Swinnen

KU Leuven, Laboratory of Lipid Metabolism and Cancer
ON5 Herestraat 49 – box 825, 3000 Leuven, Belgium

MEETING TIME

Tuesday, November 26, 2024
12:15 p.m. – 4:05 p.m. CET

ORGANIZER

GWT-TUD GmbH
Freiberger Str. 33
01067 Dresden, Germany

PROJECT COORDINATION

Felix Manthei
felix.manthei@g-wt.de
Mobile: +49 163 25 07 207