

# Metabolism-based Cancer Therapy Symposium

Thursday, November 30, 2023 · ONLINE

12:45 a.m. –  
1:00 p.m. CET

## Welcome and Opening Remarks

Ekaterina Balaian, Dresden, Germany  
Mohamed Elgendy, Dresden, Germany

## SESSION 1

### Dietary interventions in Cancer Therapy: For vs Against

1:00 – 1:15 p.m. CET

#### Pro: Exploring the Promising Role of Interventions with Ketogenic Diet

Barbara Kofler, Salzburg, Austria

1:15 – 1:30 p.m. CET

#### Con: Examining the Limitations and Challenges of Dietary Approaches in Cancer Metabolism

Elisabeth Wyart, Torino, Italy

## SESSION 2

### Interfering with amino acid metabolism

1:30 – 2:00 p.m. CET

#### Methionine Depletion: A Therapeutic Approach to Impair AML Progression

Jan Jacob Schuringa, Groningen, The Netherlands

2:00 – 2:30 p.m. CET

#### Amino Acids in Cancer Therapy

#### Exploiting Clinical Insights, Targeting Glutamine Metabolism and Beyond

Mariia Yuneva, London, UK

2:30 – 2:45 p.m. CET

## Break

## SESSION 3

### Advancements in Metabolic Imaging: Shedding Light on Tumor Metabolism?

2:45 – 3:15 p.m. CET

#### Metabolic Imaging: Unleashing Real-Time Insights into Tumor Metabolism

Kevin M. Brindle, Cambridge, UK

## SESSION 4

### Immunometabolism – Exploring the Intricacies of Metabolic interplay in Immune Function

3:15 – 3:45 p.m. CET

#### Metabolism, Epigenetics and Immune Signaling in Tumor Development and Immunotherapy

Shabnam Shalpour, Texas, USA

3:45 – 4:15 p.m. CET

#### Deciphering T-cell Metabolic Signatures: A Metabolomics Approach to Immuno-Metabolism

Celia Berkers, Utrecht, The Netherlands

4:15 – 4:45 p.m. CET

## Engaging Dialogue / Open Discussion

4:45–5:00 p.m. CET

## Break

5:00 – 5:15 p.m. CET

### Review of latest clinical trials targeting tumor metabolism

Ekaterina Balaian, Dresden, Germany  
Mohamed Elgendy, Dresden, Germany

5:15 p.m. CET

## Future Perspectives and Closing

register now



PROGRAM

# Metabolism-based Cancer Therapy Symposium

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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

**Celia Berkers**

Utrecht University  
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**Kevin M. Brindle**

Cancer Research UK Cambridge Institute  
University of Cambridge, Li Ka Shing Centre,  
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and

Department of Biochemistry, University of Cambridge  
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**Jan Jacob Schuringa**

PI, Experimental Hematology  
University Medical Center Groningen  
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**Shabnam Shalpour**

Department of Cancer Biology  
Department of Immunology  
The University of Texas  
MD Anderson Cancer Center  
Houston, Texas, USA

**Elisabeth Jeanne Marie Thérèse Wyart**

Dipartimento di Biotecnologie Molecolari  
e Scienze per la Salute  
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**Univ. Prof. Mag. Dr. Barbara Kofler**

Uniklinikum Salzburg  
Klinik für Kinder- und Jugendheilkunde  
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Müllner Hauptstr. 48  
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**Mariia Yuneva**

Oncogenes and Tumour Metabolism Laboratory  
The Francis Crick Institute  
Midland Road • London NW1 1AT

## MEETING TIME

Thursday, November 30, 2023  
12:45 a.m. – 5:45 p.m. CET

## ORGANIZER

GWT-TUD GmbH  
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## PROJECT COORDINATION

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