

GENERAL INFORMATION

COURSE DIRECTORS

Prof. Dr. Rüdiger Hell
Prof. Dr. Dr. Peter Paul Nawroth

SPEAKERS

Jerzy Adamski, Munich • Barbara Burwinkel, Heidelberg • Oliver Fiehn, Davis (CA) • Carsten Grulich, Heidelberg • Stephan Herzig, Munich • Karsten Hiller, Braunschweig • Carsten Hopf, Mannheim • Hector Keun, London • Therese Koal, Innsbruck • Augustin Scalbert, Lyon • Aurelio Teleman, Heidelberg

ACCREDITATION

This symposium has been registered for the accreditation of continuous medical education points (CME) given by the medical association of Baden-Württemberg.

OFFICIAL WEBSITE AND REGISTRATION

<https://metabolomics.unikt-kongresse.de>



Participation is free of charge, but room capacity is limited.

Generously supported by



CRC 1118



Copyright pictures: Marsilius Kolleg Heidelberg & MPI Biomedical Research Heidelberg

CONGRESS ORGANISATION AND CONTACT

Metabolomics Core Technology Platform
Centre for Organismal Studies
University of Heidelberg
Im Neuenheimer Feld 360
69120 Heidelberg

Dr. Gernot Poschet
+49 6221 545536
gernot.poschet@cos.uni.heidelberg.de

CO-ORGANIZERS

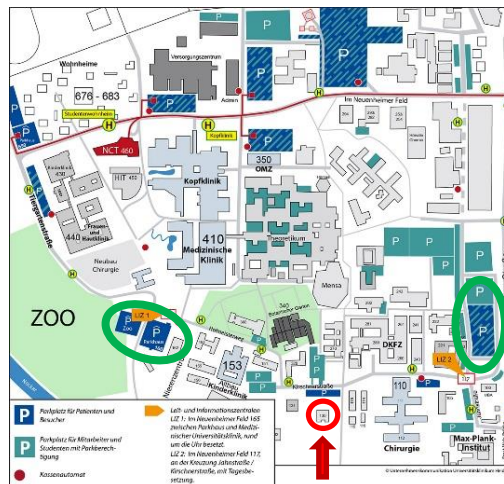
BIOCRATES Life Sciences AG
Innsbruck

CRC 1118 - Reactive metabolites as a cause of diabetic complications
Heidelberg University Hospital

COURSE LOCATION

Marsilius Kolleg
Im Neuenheimer Feld 130.1
69120 Heidelberg

Please use the parking garages marked in green for car parking.



HEIDELBERG METABOLOMICS SYMPOSIUM 2019

METABOLOMICS IN CANCER AND DIABETES RESEARCH

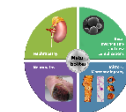
MARCH 26

MARSILIUS KOLLEG
HEIDELBERG UNIVERSITY
IM NEUENHEIMER FELD 130.1
69120 HEIDELBERG, GERMANY



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

CRC 1118



Co-organized by



8:30 Registration

Session I : METABOLOMICS IN DIABETES RESEARCH

CHAIR: Prof. Dr. Rüdiger Hell

09:00 - Fine-grained Insight into an Individual's Metabolic State by *in Vivo* Stable-Isotope Labeling

Prof. Dr. Karsten Hiller

Bioinformatics and Biochemistry, Technical University Braunschweig, Braunschweig, Germany

09:30 - Elevated Levels of Methylglyoxal recapitulate Progression of Type 2 Diabetes

Prof. Dr. Aurelio Teleman

Signal Transduction in Cancer and Metabolism, German Cancer Research Center (DKFZ), Heidelberg, Germany

10:00 - PLENARY LECTURE
From Cells to Cohort Studies: Metabolic Responses in Insulin Resistance

Prof. Dr. Oliver Fiehn

NIH West Coast Metabolomics Center, University of California, Davis, USA

10:45 Coffee Break

11:15 - Unlock Microbiome-Host Interaction with Metabolomics

Dr. Therese Koal

Research and Development, Biocrates Life Sciences AG, Innsbruck

11:45 - Human Early Life Exposome (HELIX) Study: An European Population-based Exposome Cohort

Prof. Dr. Hector Keun

Cancer Metabolism and Systems Toxicology Group, Imperial College London, London, UK

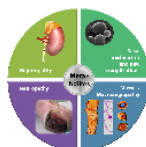
12:15

Discussion

Prof. Dr. Rüdiger Hell

Centre for Organismal Studies, University of Heidelberg, Heidelberg, Germany

12:30 Lunch Break & Get-Together



Session II : METABOLOMICS IN CANCER RESEARCH

CHAIR: TBA

13:30 - Connecting Diabetes and Cancer via Molecular Circuits

Prof. Dr. Stephan Herzig

Institute for Diabetes and Cancer, Helmholtz Center, Munich, Germany

14:00 - Early Breast Cancer Detection – a Plasma Metabolite Biomarker Signature

Prof. Dr. Barbara Burwinkel

Molecular Epidemiology, German Cancer Research Center (DKFZ), Heidelberg

14:30 - Mass Spectrometry Imaging and Fingerprinting of Metabolites in Drug Discovery and (Pre)Clinical Studies

Prof. Dr. Carsten Hopf

Center for Biomedical Mass Spectrometry and Optical Spectroscopy, University Medical Centre Mannheim, Mannheim, Germany

15:00 Coffee Break

15:30 - Response predictive Metabolomic Signatures in Cancer Treatment

Prof. Dr. Carsten Grüllich

Translational Uro-Oncology, National Center for Tumor Diseases, Heidelberg, Germany

16:00 - TBA

Prof. Dr. Jerzy Adamski

Molecular Endocrinology and Metabolism, Helmholtz Zentrum, Munich, Germany

16:30 - Metabolomics and the Exposome in Cancer Epidemiology

Dr. Augustin Scalbert

Biomarkers Group, International Agency for Research on Cancer, Lyon, France

17:00

Discussion and Future Perspectives

17:30 End of Symposium

