Targeting Redox Metabolism for Cancer Therapy

Chairs:
Priv.-Doz. Dr. Tobias Dick
Prof. Dr. Sebastian Mueller

December 12th, 2017
16:00 – 18:00
DKFZ, Communication Center, Lecture Hall

Please register by 11th December at the latest.

Marketing sponsored by:
Fresenius 1.000,00 €

Information and registration:
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Heidelberg Grand Rounds (HGR) “Ground Rules”
The HGR have been established as a forum to bring together basic scientists and clinicians. Distinguished experts present novel clinical and research findings and provide a comprehensive update in the respective field of oncology.

In addition to the high-ranking scientific and clinical presentations, the HGR also constitute a casual get-together, seasoned with drinks and refreshments, to foster a lively atmosphere for continued discussion.

Sebastian Mueller is Professor of Medicine and the current vice head of the Department of Internal Medicine at Salem Medical Center and the Co-Director of the Center for Alcohol Research at the University of Heidelberg. He studied medicine in Leipzig, Denver and Strasbourg and obtained a PhD in Biophysics. He was gastroenterology resident and consultant in Heidelberg, postdoctoral Humboldt fellow at USC in Los Angeles and lecturer at the BIDMC/Harvard Medical School. Prof. Mueller’s translational research includes the pathophysiology, genetics, diagnosis and treatment of liver diseases, namely alcoholic liver disease. His longterm basic research interests focus on hepatic iron metabolism and redox regulation. Since 2017, he is president of the European Society of Biomedical Research on Alcoholism (ESSRA).

Tobias Dick studied Biochemistry in Berlin. Since 2010 he is Division Head Redox Regulation at the German Cancer Research Center (DKFZ). His research aims to understand the molecular mechanisms by which redox signals are transmitted inside cells. He develops tools enabling monitoring and manipulating redox signals inside living cells and model organisms. These are employed to obtain more detailed understanding of redox homeostasis in healthy and malignant situations. He is interested in intervention strategies that enhance cytoprotective signals in healthy cells and disrupt them in malignant cells.

Priv.-Doz. Dr. Karsten Gülow
German Cancer Research Center, Heidelberg

Priv.-Doz. Dr. Jan Nicolay
University Medical Center Mannheim, Dept. of Dermatology

Priv.-Doz. Dr. Marcus Conrad
Helmholtz Zentrum München, Neuherberg

Priv.-Doz. Dr. Frank Westermann
German Cancer Research Center, Division of Neuroblastoma Genomics, Heidelberg

The thioredoxin-1 inhibitor dimethyl fumarate induces cell death in NF-kB-dependent tumors

Dimethyl fumarate shows promising therapeutic potential in cutaneous T cell lymphoma in mice and patients

Ferroptosis: Mechanisms, in vivo relevance and therapeutic potential

Janus-faced MYCN oncogene in light of ferroptosis