



Minisymposium

„*Focus on Redox Regulation*“

University of Konstanz, Faculty of Biology, Location: M630
25. September 2018

Organizers: Volker Ullrich, Marcel Leist, Alexander Bürkle

PROGRAM

8.30 - 9.00 Registration, Room M630

9.00 - 9.15 Welcome (Volker Ullrich)

9.15 Ming-Hui Zou (Atlanta, USA)

Redox regulation of endothelial cell phenotypes: Role of AMP-activated protein kinase

10.00 Bernhard Brüne (Frankfurt)

Chronic hypoxia and mitochondrial responses

Coffee break

11.15 Markus Bachschmid (Boston)

Glutaredoxin-1 deficiency causes fatty liver and dyslipidemia by inhibiting Sirtuin-1

12.00 Reiko Matsui (Boston)

Glutathione adducts induced by ischemia and deletion of glutaredoxin-1 stabilize HIF-1alpha and improve limb revascularisation

Lunch

14.00 Andreas Daiber (Mainz)

Measuring superoxide, NO and peroxynitrite in vascular tissues:

Overview on recent advances and own experience

14.45 Volker Ullrich (Triboltingen) and **Juliana Heidler** (Frankfurt)

Missing links in the mitochondrial apoptotic pathway

Coffee break

16.00 Stefan Schildknecht (Konstanz)

Redox dependent changes in alpha-synuclein

16.45 Round Table Discussion: „Can redox-based drugs be useful ?“

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