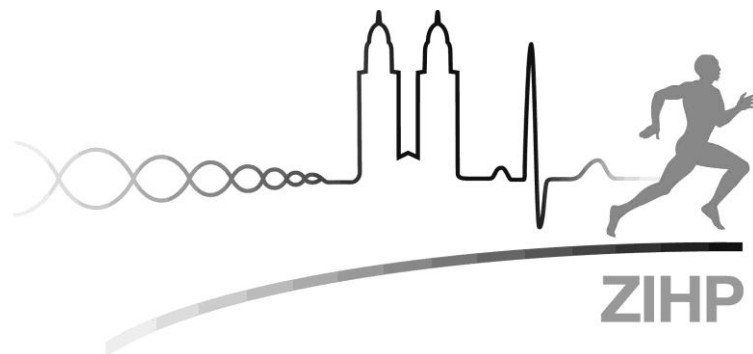




University of
Zurich^{UZH}

Zurich Center for Integrative Human Physiology (ZIHP)

10th Symposium of the Zurich Center for Integrative Human Physiology



Friday, August 29, 2014

Hörsaal HAH-E-11, Universität Zürich
Haldeliweg 2, 8044 Zürich

University of Zurich
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PhD Program in Integrative Molecular Medicine (imMed)

In collaboration with the University Research Priority Program "Integrative Human Physiology"
<http://www.ufsp.uzh.ch/physiol>



Program

08:15 **Welcome**

08:30 **Keynote Lecture**

Fraud, plagiarism, and other "minor" problems in science

Dr. Ton de Craen, Department of Internal Medicine, Leiden University Medical Center, the Netherlands

09:15 **Oral Presentations**

Cerebral blood flow and sleep slow wave activity are anti-correlated

Laura Tüshaus, Institute of Pharmacology and Toxicology, UZH

Deficient microRNA-21 induction promotes small-for-size syndrome following extended hepatectomy in mice

Ekaterina Kachaylo, Laboratory of the Swiss Hepato-Pancreatico-Biliary (HPB) Center, USZ, imMed PhD program

*HIF-1 α stabilization inhibits oxidative phosphorylation and cellular proliferation but is necessary for renal tumor initiation**

Désirée Schönenberger, Institute of Physiology, UZH

A tyrosine hydroxylase (Th) knock-in mouse with catecholamine depletion and impaired motor control replicates a severe form of L-Dopa TH deficiency

Germaine Korner, Department of Metabolism, University Children's Hospital Zurich

10:15 Coffee

10:45 **Keynote Lecture**

A look into the genome of myocardial infarction

Prof. Heribert Schunkert, German Heart Center, Munich, Germany

11:30 **Oral Presentations**

The involvement of the long noncoding MIR503HG in TGF β signaling and its potential role in systemic sclerosis and other fibrotic diseases

Elena Pachera, Research of Systemic Autoimmune Diseases, Division of Rheumatology, USZ, imMed PhD program

*Exercise efficiency increases with age but is not related to mitochondrial function**

Saskia Gehrig, Institute of Physiology, UZH, imMed PhD program



*Gaze holding in patients with neurodegenerative cerebellar disease**
Giovanni Bertolini, Division of Neurology, USZ

The hypoxic response and HIF1A in the development of age-related blindness
Divya Ail, Lab of Retinal Cell Biology, Division of Ophthalmology,
USZ

12:30 **Lunch and Posters**

14:00 **General Assembly of all ZIHP members**

14:20 **ZIHP Award: Ceremony and presentations of the awardees**

*Endothelial mineralocorticoid receptor activation mediates endothelial dysfunction in diet-induced obesity**

Nicola Schäfer, Celgene GmbH, Zurich, alumna imMed PhD program

*Adaptation of iron transport and metabolism to acute high altitude hypoxia in mountaineers**

Oliver Götze, Division of Hepatology, University Hospital Wuerzburg,
Germany

*Functional ADA polymorphism increases sleep depth and reduces vigilant attention in humans**

Federica Klaus, Psychiatric University Hospital Zurich

15:15 **Oral Presentations**

Regulation of IL-1 β -induced inflammatory signaling by hydroxylases

Carsten Scholz, Institute of Physiology, UZH

*A role for interleukin-22, interleukin-17A and pathogen-associated molecular pattern during the pathogenesis of Crohn's Disease-associated fistulas**

Sandra M. Frei, Division of Gastroenterology and Hepatology, USZ,
imMed PhD program

15:45 Coffee



16:15 **Oral Presentations**

*Loss of Sirt3 induces endothelial dysfunction in a ROS-dependent manner and inactivates endothelial SOD2**

Daniel S. Gaul, Center for Molecular Cardiology, USZ, imMed PhD program

Protein tyrosine phosphatase non-receptor type 22 promotes efficient inflammasome activation by dephosphorylation of Nlrp3

Marianne Spalinger, Division of Gastroenterology and Hepatology, USZ, imMed PhD program

16:45 **Keynote Lecture**

Still the better polypill: exercise

Prof. Bengt Kayser, Institute of Sports Sciences, University of Lausanne

17:30 **Awards** for the best presentation and the best posters

Concluding Remarks

*results emerged from a ZIHP cooperative project funded by the URPP „Integrative Human Physiology“

Many thanks to the sponsors of the 10th Symposium of the ZIHP!

