

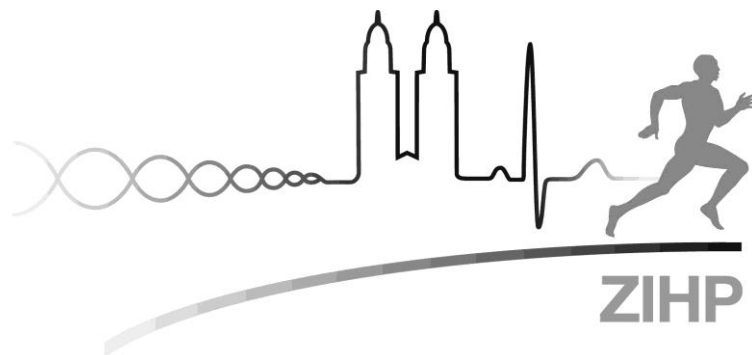


**University of  
Zurich<sup>UZH</sup>**

**Zurich Center for Integrative Human Physiology (ZIHP)**

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## **9<sup>th</sup> Symposium of the Zurich Center for Integrative Human Physiology**



**Friday, August 23, 2013**

**Lecture Hall HAH-E-11, University of Zurich  
Haldeliweg 2, 8044 Zurich**

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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-ihp.uzh.ch/>



## Program

08:15 **Welcome**

08:30 **Keynote Lecture**

*Interorgan communication in the control of pancreatic beta-cell mass and function*

Prof. Bernard Thorens

Center for Integrative Genomics, University of Lausanne, Switzerland

09:15 **Oral Presentations**

*Impact of adipocyte-specific knock-down of rictor on gene expression and cellularity in perivascular adipose tissue*

Katja Dräger

Division of Internal Medicine, USZ, imMed PhD Program

*Gaze holding in acute unilateral ischemic cerebellar lesions*

Alexander Tarnutzer

Department of Neurology, USZ

*Modulation of oxygen-regulated erythropoietin expression*

Federica Storti

Institute of Physiology, UZH, imMed PhD Program

*Dys-functional adipose tissue-liver crosstalk contributes to short-term HFD-induced insulin resistance*

Michael Wiedemann

Endocrinology & Diabetology, University Children's Hospital Zurich, imMed PhD Program

10:15 Coffee

10:45 **Keynote Lecture**

*Cellular mechanisms of skeletal muscle fatigue*

Prof. Håkan Westerblad

Department of Physiology and Pharmacology, Karolinska Institute, Stockholm, Sweden

11:30 **Oral Presentations**

*Multi-target treatment in ADPKD\**

Yang Liu

Institute of Physiology, UZH, imMed PhD Program

*Genetic variation in the dopamine transporter gene DAT1: evidence for functional effects from an integrative human study on sleep-wake regulation\**

Amandine Valomon

Institute of Pharmacology and Toxicology, UZH, imMed PhD Program

*The glutamine transporter SNAT3 (Slc38a3) is critical for growth, glucose and amino acid homeostasis, and function of kidney, liver and brain*

Kessara Chan

Institute of Physiology, UZH, imMed PhD Program



*Crosstalk between hypoxia inducible factor-1 and Rho-GTPase signaling: Hypoxia-induced cytoskeletal re-arrangements at the BBB*

Dr. Patkar Shalmali

Institute of Veterinary Physiology, UZH

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture**

*Stress and the programming of brain function and behavior – A focus on aggression*

Prof. Carmen Sandi

Laboratory of Behavioral Genetics, EPFL Lausanne, Switzerland

15:15 **Oral Presentations**

*The GTPase activating protein iqqap2 is essential for glomerular integrity in the zebrafish pronephros\**

Yuya Sugano

Institute of Anatomy, UZH, imMed PhD Program

*Why do we reach exhaustion when exercising? The effect of muscle and brain oxygenation\**

Daniela Flück

Institute of Physiology, UZH, imMed PhD Program

15:45 Coffee

16:15 **Oral Presentations**

*Markers of epileptogenicity: automatic detection of high frequency oscillations in the time-frequency domain*

Sergey Burnos

Department of Neurosurgery, USZ

*Interleukins 22 and 33, matrix metalloproteinases 9 and 13, mast cell markers and hypoxia in crohn's disease associated fistulae\**

Sandra Michaela Frei

Division of Gastroenterology and Hepatology, USZ, imMed PhD Program

16:45 **Keynote Lecture**

*Signaling regulation of endothelial permeability*

Prof. Asrar B. Malik

Center for Lung and Vascular Biology, University of Illinois, Chicago, USA

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 9<sup>th</sup> Symposium of the ZIHP!



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