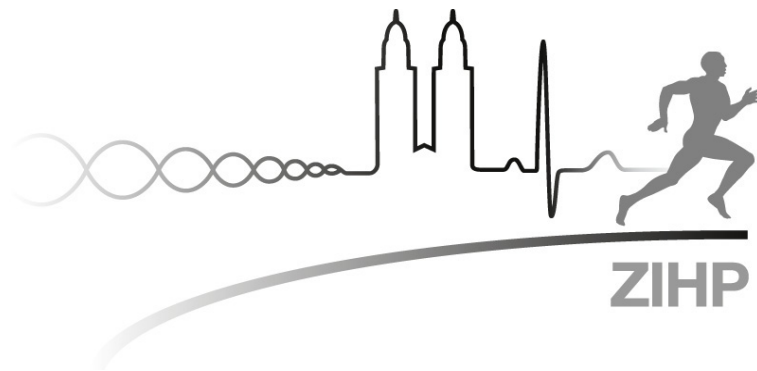




University of Zurich

6th Symposium of the Zurich Center for Integrative Human Physiology (ZIHP)



Friday, August 27, 2010

Hörsaal HAH-E-11, Universität Zürich

Händeliweg 2, 8044 Zürich

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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**
Max Gassmann
Chairman of the ZIHP Steering Committee, University of Zurich (UZH)
- 08:30 **Keynote Lecture**
Minerals in motion: from new transporters towards new concepts
René J. M. Bindels
Nijmegen Centre for Molecular Life Sciences, Radboud University Nijmegen, The Netherlands
- 09:15-
10:15 **Oral Presentations**
- 10:15 *Macrophage-colony stimulating factor attenuates myocardial fibrosis in inflammatory cardiomyopathy*
Gabriela Kania
Cardiovascular Research, Institute of Physiology, UZH
- Influence of hypoxia-related pulmonary hypertension on maximal exercise capacity at 4.559 m*
Christoph Siebenmann
Institute of Physiology, UZH, PhD Program imMed
- Hindbrain glucagon-like peptide-1 (GLP-1) receptors mediate the satiating effect of hepatic portal vein (HPV) GLP-1 infusion in rats*
Mukesh Punjabi
Laboratory of Physiology and Behaviour, Institute for Food, Nutrition and Health, ETHZ
- Achiasmatic zebrafish as an animal model for infantile nystagmus syndrome (INS)*
Melody Ying-Yu Huang
Department of Neurology, USZ, Institute of Molecular Life Sciences, UZH
- 10:15 Coffee
- 10:45 **Keynote Lecture**
Powerlines for muscle work: Structural design and functional integration in the oxygen and fuel pathways
Ewald R. Weibel
Institute of Anatomy, University of Bern, Switzerland
- 11:30-
12:30 **Oral Presentations**
- 12:30 *The role of deoxy-sphingoid bases in diabetes mellitus and the diabetic sensory neuropathy*
Thorsten Hornemann
Institute of Clinical Chemistry, USZ
- Chest wall kinematics in tetraplegic subjects during different ventilatory demands*
Sabine K. Illi
Institute of Physiology, UZH, Institute of Human Movement Sciences, ETHZ

Brain microvascular endothelial amino acid transport in vivo and in vitro

Nadine Ruderisch

Institute of Physiology, UZH, PhD Program imMed

Developmental changes in coherence as measured by the sleep EEG

Leila Tarokh

Institute of Pharmacology and Toxicology, UZH

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture**

Functional imaging of the brain: a window into the human vestibular system

Marianne Dieterich

Department of Neurology, Ludwig-Maximilians University of Munich, Germany

15:15- **Oral Presentations**

15:45 *Fibroblast activation protein is induced by inflammation and degrades collagen in vulnerable atherosclerotic plaques*

Chad E. Brokopp

Cardiovascular Research, Institute of Physiology, UZH, Cardiovascular Center, USZ,
PhD Program imMed

N-Methyl-D-aspartate receptors (NMDARs) in control of rat heart function

Asya Makhro

Institute of Veterinary Physiology, UZH, PhD Program imMed

15:45 Coffee

16:15- **Oral Presentations**

16:45 *The portal theory supported by venous drainage-selective fat transplantation*

Julia M. Rytka

Division of Paediatric Endocrinology and Diabetology, University Childrens' Hospital,
PhD Program imMed

Inferring beliefs from behavior

Christoph Mathys

Lab. for Social and Neural Systems Research, Institute for Empirical Research in Economics, UZH

16:45 **Keynote Lecture**

Cofactor networks in the control of metabolism

Johan Auwerx

Laboratory of Integrative Systems Physiology (LISP), EPFL, Switzerland

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

Concluding remarks

Online registration (free of charge) via the website <http://www.zihp.uzh.ch>
Deadline: **Friday, August 13, 2010**

The poster list is available on http://www.zihp.uzh.ch/9000/9000_1.php
Abstract booklets will only be distributed to registered participants during the symposium.

Prizes will be awarded to the best presentation and to the best posters.

Venue (red circle)

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



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