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

Friday, August 27, 2010

Hörsaal HAH-E-11, Universität Zürich
Häldeliweg 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/
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
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
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

15:15-15:45  Oral Presentations
15:45  Oral Presentations
   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
16:15-16:45  Oral Presentations
16:45  Oral Presentations
   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
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