8th Symposium of the
Zurich Center for Integrative Human Physiology

Friday, August 24, 2012

Lecture Hall HAH-E-11, University of Zurich
Häldeliweg 2, 8044 Zurich

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PhD Program in Integrative Molecular Medicine (imMed)

In collaboration with the University Research Priority Program (URPP) “Integrative Human Physiology”
Program

08:15 **Welcome**  
Prof. Christian Grimm  
Vice Chairman of the ZIHP Steering Committee, UZH

08:30 **Keynote Lecture**  
*Circadian rhythms, sleep and cognition: an integrative and multidisciplinary approach*  
Prof. Derk-Jan Dijk  
Surrey Sleep Research Centre, University of Surrey, UK

09:15 **Oral Presentations**  
*Optic nerve misprojections in the zebrafish mutant belladonna: a disease model for infantile nystagmus syndrome*  
Sabina Huber-Reggi  
Institute of Molecular Life Sciences, UZH, imMed PhD Program

*Involvement of the area postrema in cancer-induced anorexia and body weight loss*  
Tito Borner  
Institute of Veterinary Physiology, UZH, imMed PhD Program

*Regulation of the resolvin E1 and chemerin receptor ChemR23 in differentially activated macrophages*  
Magdalena Herová  
Division of Clinical Chemistry and Biochemistry, University Children’s Hospital, Zurich, imMed PhD Program

*Role of Vhlh and hypoxia inducible transcription factors (HIFs) in renal tubular epithelial cells*  
Dr. Michal Rajski  
Institute of Physiology, UZH

10:15 Coffee

10:45 **Keynote Lecture**  
*Nuclear receptor control of the metabolic syndrome and its cardiovascular complications*  
Prof. Bart Staels  
Faculty of Pharmacy, University of Lille, France

11:30 **Oral Presentations**  
*Tissue factor disulfide mutation causes a bleeding phenotype with sex specific organ pathology and lethality*  
Susanna Sluka  
Cardiovascular Research, Institute of Physiology, UZH, imMed PhD Program

*Loss of protein tyrosine phosphatase non-receptor type 22 regulates interferon-gamma induced signaling in human monocytes*  
Marianne Spalinger  
Division of Gastroenterology and Hepatology, USZ, imMed PhD Program
AntagomiR directed against miR-20a restores BMPR2 gene expression and prevents vascular remodelling in hypoxia-induced pulmonary hypertension
Matthias Brock
Pulmonary Hypertension Working Group, Department of Rheumatology, USZ

Resting electroencephalographic activity is coupled to cerebral blood flow*
Simon-Shlomo Poil
Center for MR-Research, University Children's Hospital, Zurich

12:30 Lunch and Posters
14:00 General Assembly of all ZIHP members
14:30 Keynote Lecture
TOR signaling in growth and metabolism
Prof. Michael N. Hall
Biozentrum, University of Basel, Switzerland

15:15 Oral Presentations
Normalization of tumor vasculature by ablation of endothelial mTOR complex 2 in the host
Fabio Aimi
Division of Internal Medicine, USZ, imMed PhD Program

Control of iron homeostasis during chronically elevated erythropoiesis*
Víctor Díaz
Institute of Veterinary Physiology, UZH

15:45 Coffee
16:15 Oral Presentations
Chronic caffeine intake delays markers of brain development in the rat
Nadja Olini
Child Development Center, University Children's Hospital, Zurich

Serotonin mediates pancreatic acinar cell secretion and cytoskeletal remodelling in mice - consequences for pancreatitis?
Enrica Saponara
Division of Visceral and Transplantation Surgery, USZ, imMed PhD Program

16:45 Keynote Lecture
What have we learned from congenital polycythemas and Tibetan adaption to high altitude?
Prof. Josef T. Prchal
Hematology Division, Internal Medicine Department, University of Utah, 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”