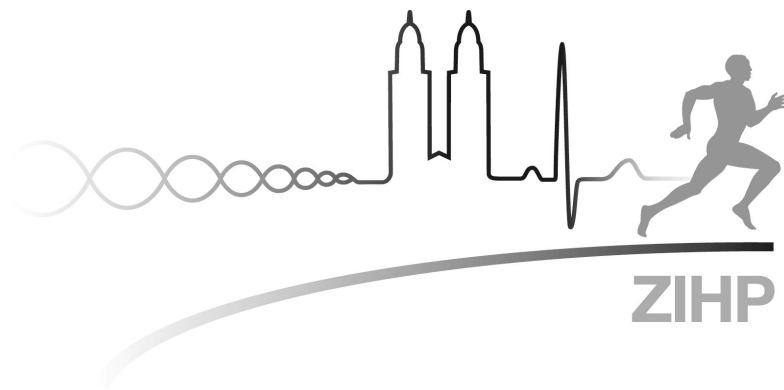




**University of
Zurich^{UZH}**

Zurich Center for Integrative Human Physiology (ZIHP)

8th Symposium of the Zurich Center for Integrative Human Physiology



Friday, August 24, 2012

**Lecture Hall HAH-E-11, University of Zurich
Haldeliweg 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 polycythemia and Tibetan adaptation 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"