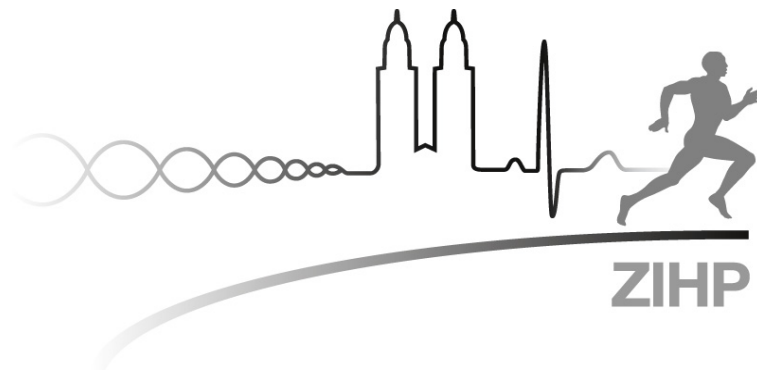




University of Zurich

4th Symposium of the Zurich Center for Integrative Human Physiology (ZIHP)



Friday, August 22, 2008

Grosser Hörsaal OST B Hoer 10, UniversitätsSpital Zürich
Gloriastrasse 29, 8091 Zürich

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In collaboration with the University Research Priority Program „Integrative Human Physiology“
<http://www.ufsp.uzh.ch/physiol/>

Online registration (free of charge) and **submission of posters** (incl. abstract of 1'500 characters incl. spaces) via the website.

<http://www.zihp.uzh.ch/>

Deadline for submission of posters: Monday, July 7, 2008

Deadline for registration: Friday, August 8, 2008

A prize will be awarded to the best presentation and to the best poster.
Please note: The number of poster presentations is limited!

Abstract booklets will only be distributed to registered participants during the symposium.
Poster format: DIN A0 (84 x 118 cm), portrait format.

Orientation map



Program

- 08:15 **Welcome**
Christian Grimm
Vice Chairman of the ZIHP Steering Committee, University of Zurich (UZH)
- 08:30 **Keynote Lecture Topic A: Cardiovascular**
Immune mechanisms in atherosclerosis
Göran K. Hansson
Department of Medicine, Karolinska University Hospital, Stockholm, Sweden
- 09:15 **Presentations**
High density lipoprotein (HDL) loses major vasoprotective properties in patients with stable coronary artery disease (CAD) and acute coronary syndrome (ACS) as compared to HDL from healthy subjects
Christian Besler
Institute of Physiology, UZH (Topic A)
- PGC-1 in muscle links metabolism to inflammation*
Petra Eisele
Institute of Physiology, UZH (Topic B)
- Exogenous glucagon-like peptide-1 (GLP-1) reduces spontaneous meal size in rats, and this effect requires intact vagal afferents after intraperitoneal (IP), but not after hepatic portal vein (HPV) infusion*
Elisabeth B. Rüttimann
Institute of Animal Sciences, ETHZ (Topic C)
- Stable background stabilizes posture during ocular fixation and tracking*
Jean Laurens
Department of Neurology, USZ (Topic D)
- 10:15 Coffee
- 10:45 **Keynote Lecture Topic D: Central Regulation and Coordination**
Sleep from mice to humans: a genetic approach
Mehdi Tafti
Center for Integrative Genomics, University of Lausanne, Switzerland
- 11:30 **Presentations**
Nasal immunization with an apoB-100 peptide-cholera toxin subunit B fusion protein attenuates atherosclerosis and induces protective T cell immunity specific for apoB-100
Roland Klingenberg
Department of Medicine, Karolinska University Hospital, Stockholm, Sweden and Clinic for Cardiology, USZ (Topic A)
- Time course analysis of cone degeneration in a mouse model for early onset severe retinal dystrophy*
Marijana Samardzija
Department of Ophthalmology, USZ (Topic B)

Estradiol induces mitogenesis in human progenitor endothelial cells (PECs) by upregulating cyclins and downregulating p21

Isabella Baruscotti

Clinic for Reproductive Endocrinology, USZ (Topic C)

Cognitive and sleep EEG evolution after stroke – preliminary results

Rositsa Poryazova

Department of Neurology, USZ (Topic D)

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture Topic C: “Milieu intérieur” / Homeostasis**

Hypothalamic control of energy homeostasis

Jens C. Brüning

Institute for Genetics, University of Cologne, Germany

15:15 **Presentations**

Amiodarone inhibits tissue factor and arterial thrombus formation

Alexander Breitenstein

Institute of Physiology, UZH (Topic A)

The increased expression of beta1 integrin (CD29) in rheumatoid synovial fibroblasts (RASf) is due to a milieu favouring genomic hypomethylation

Emmanuel Karouzakis

Center of Experimental Rheumatology, USZ (Topic B)

15:45 Coffee

16:15 **Presentations**

Large scale sampling of renal distal convoluted tubules (DCT) by complex object parametric analysis and sorting (COPAS)

Nicolas Picard

Institute of Anatomy, UZH (Topic C)

GABAergic mechanisms in sleep modulation

Raffaëlle Winsky-Sommerer

Institute of Pharmacology and Toxicology, UZH (Topic D)

16:45 **Keynote Lecture Topic B: Oxygen and Movement**

Genetic insights into the VHL-PHD-HIF oxygen response pathway

Patrick H. Maxwell

Division of Medicine, University College London, The Rayne Institute, London, UK

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

Concluding remarks: Heini Murer

Vice President Medicine and Natural Sciences, UZH