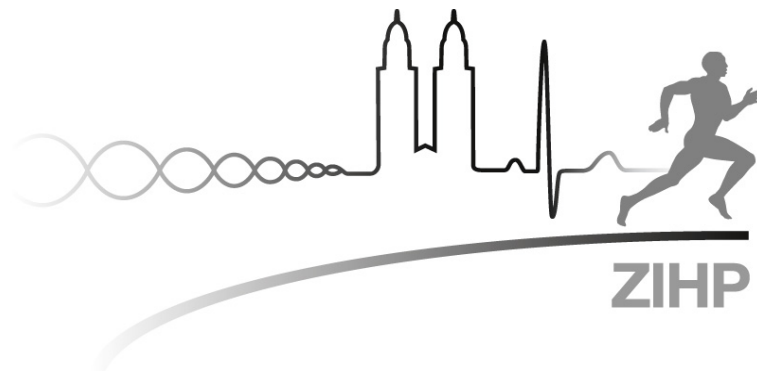




University of Zurich

# 3<sup>rd</sup> Symposium of the Zurich Center for Integrative Human Physiology (ZIHP)



Friday, August 31, 2007

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/>

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

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

**Deadline: Friday, August 17, 2007**

A prize of each CHF 500.- will be awarded to the best oral communication and to the best poster.

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 **Introduction**

Max Gassmann

Chairman of the ZIHP Steering Committee, University of Zurich (UZH)

08:30 **Keynote Lecture Topic A: Cardiovascular**

*Molecular mechanisms of plaque instability*

Mat J.A.P. Daemen

Department of Pathology, University of Maastricht, Netherlands

09:15 **Oral Communications**

*Fetal programming of hypertension: Decreased compliance and low IGF-I plasma levels in umbilical arteries of infants with intrauterine growth restriction*

Tilo Burkhardt

Department of Obstetrics, USZ (Topic A)

*The angiogenetic quantum: A micro-network rather than a micro-vessel?*

Gisela Kuhn

Institute of Veterinary Physiology, UZH (Topic B)

*Serotonin 2C receptor (5HT<sub>2CR</sub>) is necessary for the full effect of cholecystinin (CCK), glucagon-like peptide-1 (GLP-1) and ghrelin, but not leptin, on food intake in mice*

Loredana Asarian

Institute of Animal Sciences, ETHZ (Topic C)

*Distinct adenosine A<sub>2A</sub> receptor haplotype predicts fast response time on psychomotor vigilance task*

Sereina Bodenmann

Institute of Pharmacology and Toxicology, UZH (Topic D)

10:15 Coffee

10:45 **Keynote Lecture Topic D: Central Regulation and Coordination**

*Brain, balance and behaviour*

Adolfo M. Bronstein

Division of Neurosciences and Mental Health, Imperial College London, UK

11:30 **Oral Communications**

*Caffeine induces endothelial tissue factor expression and thrombus formation: Role of p70S6 kinase*

Cathérine Gebhard

Institute of Physiology, UZH and Clinic for Cardiology, USZ (Topic A)

*The role of SUMO-1 in rheumatoid arthritis*

Hanna Maciejewska

Department of Rheumatology and Institute of Physical Medicine, USZ (Topic B)

*IL-1beta expression is induced by glucose and IL-1beta auto-stimulation, and increased in  $\beta$ -cells of type 2 diabetics*

Marianne Böni-Schnetzler

Division of Endocrinology and Diabetes, USZ (Topic C)

*Hand grasping activity in ventral premotor cortex*

Marie-Christine Fluet

Institute of Neuroinformatics, UZH/ETHZ (Topic D)

12:30 Lunch and Posters

14:00 General assembly of all ZIHP members

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

*Leptin resistance in melanocortin circuits*

Michael A. Cowley

Oregon National Primate Research Center, Beaverton, USA

15:15 **Oral Communications**

*High density lipoprotein protects human and mouse pancreatic islets from high glucose and interleukin-1 beta induced apoptosis*

Sabine Rützi

Division of Endocrinology and Diabetes and Institute of Clinical Chemistry, USZ (Topic A)

*Regulated oxygen sensing by prolyl-4-hydroxylase domain (PHD) proteins*

Katarzyna J. Nytko

Institute of Physiology, UZH (Topic B)

15:45 Coffee

16:15 **Oral Communications**

*Contributions of "pressure pump" and "peristaltic pump" to gastric emptying: New insights by concurrent gastric magnetic resonance imaging and manometry*

Mark Fox

Clinic for Gastroenterology and Hepatology, USZ (Topic C)

*Subjective and objective results after bilateral cochlear implantation*

Roman Laske

Department of Otorhinolaryngology, Head and Neck Surgery, USZ (Topic D)

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

*TOR signaling and control of cell growth*

Michael N. Hall

Biozentrum, University of Basel, Switzerland

17:30 Prize for the best oral communication and the best poster

Concluding remarks