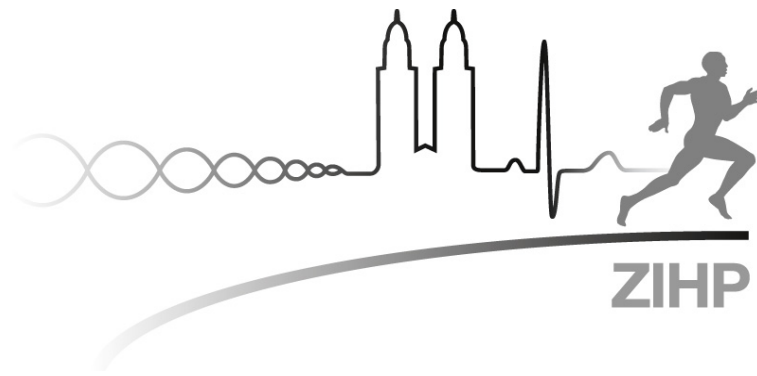




University of Zurich

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



Friday, September 22, 2006

Hörsaal HAH E-11, Universität Zürich

Haldeliweg 2, 8044 Zürich

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Zurich Center for Integrative Human Physiology (ZIHP)  
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In collaboration with the University Research Priority Program „Integrative Human Physiology“  
<http://www.ufsp.unizh.ch/physiol/>

The Zurich Center for Integrative Human Physiology (ZIHP) proudly announces its second symposium. The aim of this one-day meeting is to discuss the current state of research and to give impulses for future directions in integrative human physiology.

Keynote lectures will cover topics like endothelium-dependent contractions, the plasticity of skeletal muscle tissue, enzyme functions and the physiological consequences of long duration space flights. Oral communications and posters will give the opportunity to junior researchers to present and discuss their current work.

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

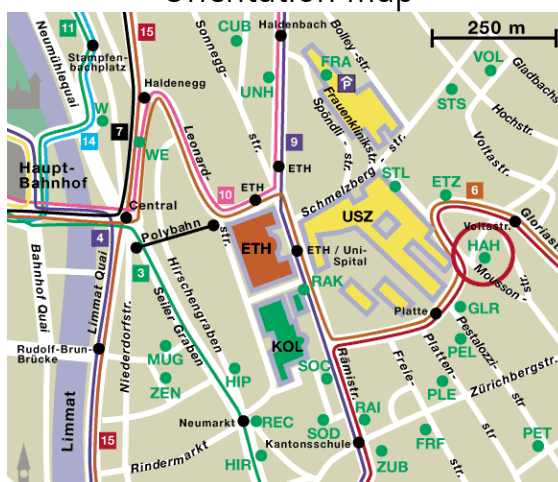
Online registration (free of charge) and submission of posters (incl. abstract of 200 words) via the website. **Deadline: Friday, September 8, 2006**

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

Heini Murer

Vice President for Research, UZH

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

*Endothelium-dependent contractions revisited*

Paul M. Vanhoutte

Department of Pharmacology, University of Hong Kong, China

09:15 **Oral Communications**

*Molecular regulation of tissue factor in vascular disease*

Giovanni Camici

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

*Retinal neuroprotection by hypoxic preconditioning: Identification of possible neuroprotective targets by analyzing the hypoxic transcriptome*

Markus Thiersch

Department of Ophthalmology, University Hospital Zurich (Topic B)

*Hindbrain estradiol implants inhibit feeding and increase NTS c-Fos immunoreactivity in female rats*

Sumpun Thammacharoen

Institute of Veterinary Physiology, UZH (Topic C)

*Homeostatic sleep regulation in narcolepsy-cataplexy*

Ramin Khatami

Department of Neurology & Institute of Pharmacology and Toxicology, UZH (Topic D)

10:15 Coffee

10:45 **Keynote Lecture Topic B: Oxygen and Movement**

*Structural and functional plasticity of skeletal muscle tissue and its molecular basis*

Hans Hoppeler

Institute of Anatomy, University of Bern, Switzerland

11:30 **Oral Communications**

*Endothelium activation in inflammation and metastasis*

Heinz Lüubli

Institute of Physiology, UZH (Topic A)

*Hypoxia attenuates neutrophil-induced alveolar epithelial cell killing*

Salome Meyer

Institute of Physiology, UZH (Topic B)

*Characteristics of the esophageal pressure trough in patients with esophageal symptoms. Studies using high resolution manometry (HRM)*

Daniel Pohl

Clinic for Gastroenterology and Hepatology, University Hospital Zurich (Topic C)

*Pathomechanism of cerebellar downbeat nystagmus - experimental data and computer simulation*

Sarah Marti

Department of Neurology, University Hospital Zurich (Topic D)

12:30 Lunch and Posters

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

*The diverse functions of the serum and glucocorticoid inducible kinase*

Florian Lang

Institute of Physiology, University of Tübingen, Germany

15:15 **Oral Communications**

*Human prenatal progenitor cells for cardiovascular tissue engineering*

Dörthe Schmidt

Division of Cardiovascular Surgery, University Hospital Zurich (Topic A)

*Protein stability of the onconeural antigen Cdr2 is regulated by PHD1*

Verena Hofmann

Institute of Physiology, UZH (Topic B)

15:45 Coffee

16:15 **Oral Communications**

*Functional role of early aldosterone regulated gene products in the control of renal ion excretion*

Gabriele Adam

Institute of Physiology, UZH (Topic C)

*The role of sleep in memory consolidation: object recognition in mice*

Svitlana Palchykova

Institute of Pharmacology and Toxicology, UZH (Topic D)

16:45 **Keynote Lecture Topic D: Central Regulation and Coordination**

*Artificial gravity - an integrative solution for long duration space flights*

Laurence R. Young

Massachusetts Institute of Technology, Cambridge, USA

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

Concluding remarks

17:45 Posters, fingerfood, open bar