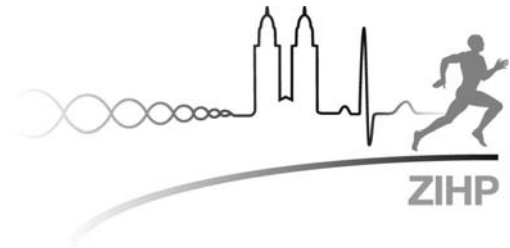




University of Zurich  
Zurich Center for Integrative Human Physiology



**5<sup>th</sup> Symposium of the  
Zurich Center for Integrative Human Physiology**

# **Program**

Friday, August 28, 2009

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

University of Zurich  
Zurich Center for Integrative Human Physiology (ZIHP)  
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PhD Program in Integrative Molecular Medicine (imMed)

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: Thursday, July 9, 2009**

**Deadline for registration: Friday, August 14, 2009**

Prizes will be awarded to the best presentation and to the best posters.  
Abstract booklets will only be distributed to registered participants during the symposium.

Please note

The number of poster presentations is limited!

Poster format: DIN A0 (84 x 118 cm), portrait format.

Orientation map



## Program

- 08:15 **Welcome**  
Max Gassmann  
Chairman of the ZIHP Steering Committee, University of Zurich (UZH)
- 08:30 **Keynote Lecture**  
*Inflammation as key player in atherosclerosis*  
François Mach  
Cardiology Department, Geneva University Hospital, Geneva, Switzerland
- 09:15 **Presentations**  
*Impaired in vivo repair capacity of endothelial progenitor cells from patients with chronic heart failure as compared to healthy subjects*  
Carola Doerries  
Clinic for Cardiology, USZ, Institute of Physiology, UZH
- The microRNA cluster 17/92 regulates the expression of the bone morphogenetic protein receptor type II (BMPRII) through a novel STAT3–microRNA Cluster 17/92 pathway*  
Matthias Brock  
Department of Rheumatology and Institute of Physical Medicine, USZ
- Fas (CD95) in adipocytes mediates adipose tissue inflammation and contributes to liver and whole-body insulin resistance*  
Stephan Wüest  
Division of Pediatric Endocrinology and Diabetology, University Children's Hospital, Alumni of the PhD Program imMed
- Genetic variation in adenosine deaminase, attention and sleep in humans*  
Valérie Bachmann  
Institute of Pharmacology and Toxicology, UZH, PhD Program imMed
- 10:15 Coffee
- 10:45 **Keynote Lecture**  
*Hypoxia – Inflammation crossing: Where to go?*  
Joachim Fandrey  
Institute of Physiology, University of Duisburg-Essen, Essen, Germany
- 11:30 **Presentations**  
*Identification of novel protein biomarkers for atherosclerotic cardiovascular disease*  
Seraina Decasper  
Institute of Clinical Chemistry, USZ, PhD Program imMed
- Boosting muscle and metabolism by exercepticals*  
Flurin Item  
Institute of Physiology, UZH, Institute for Human Movement Sciences, ETHZ, PhD Program imMed

*Orphan transporter XT2 (Slc6a18) is renal neutral amino acid transporter B<sup>0</sup>AT3*

Dustin Singer

Institute of Physiology, UZH, Alumni of the PhD Program imMed

*EEG markers of immaturity and epilepsy in children: Evidence for different neuronal involvement*

Lars Michels

Department of Functional Neurosurgery, USZ

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture**

*The nitric oxide/nitrite cycle in human physiology*

Alan N. Schechter

Molecular Medicine Branch of the National Institutes of Diabetes and Digestive and Kidney Diseases (NIH, NIDDK), Bethesda, USA

15:15 **Presentations**

*SIRT1 decreases macrophage infiltration and foam cell formation in atherogenesis*

M. A. Sokrates Stein

Institute of Physiology, UZH, PhD Program imMed

*Functional implication of erythropoietin in the neuronal control of breathing*

Jorge Soliz

Institute of Veterinary Physiology, UZH

15:45 Coffee

16:15 **Presentations**

*Leptin and insulin plasma levels do not reflect adiposity in rats recovering from forced overweight*

Viktoria Gloy

Institute of Animal Sciences, ETHZ

*Imaging neurovascular coupling in normotensive and spontaneously hypertensive rats*

Novella Calcinaghi

Institute of Pharmacology and Toxicology, UZH

16:45 **Keynote Lecture**

*Water and solute transport across biological membranes: One hundred years of Overton's rule*

Olivier Devuyst

Division of Nephrology, UCL Medical School, Brussels, Belgium

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

**Concluding remarks**

Christian Grimm

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

