



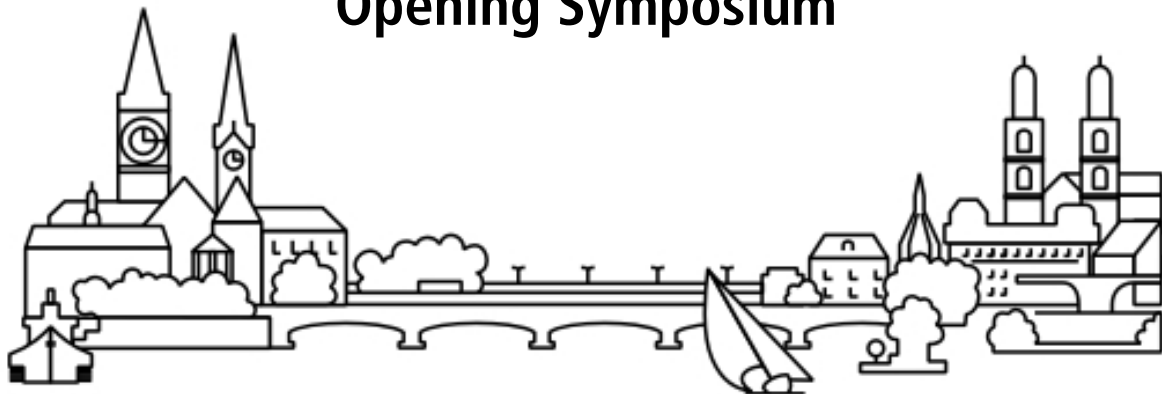
University of Zurich

**ZIHP | CIHP | zürich**

Zentrum für Integrative Humanphysiologie  
Center for Integrative Human Physiology

# Center for Integrative Human Physiology (CIHP)

## Opening Symposium



September 29th and 30th, 2005

Grosser Hörsaal Nord 1, UniversitätsSpital Zürich

Frauenklinikstrasse 10, 8091 Zürich

Information and registration

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

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In close collaboration with the University Research Priority Program „Integrative Human Physiology“

<http://www.ufsp.unizh.ch/physiol/>



## Program

### Thursday, September 29th, 2005

14:00 Arrival

14:30 **Introduction**

Heini Murer

President of the Steering Committee of the CIHP, UZH

Alexander Borbély

Vice President for Research, UZH

14:45 **Opening Lecture**

*C. elegans: A Rosetta Stone for deciphering the human genetic blueprint*

Kevin Strange

Vanderbilt University, Nashville, USA

15:45 Coffee

16:15 **Keynote Lecture Application Area B: Oxygen and Movement**

*Human research in hypoxia between bench and bedside*

Peter Bärtisch

Medical University Clinic, Heidelberg, Germany

17:15 **Oral Communications**

*Cardioprotection by pre- and postconditioning: from genes to humans*

Michael Zaugg

Institute of Anesthesiology and Institute of Pharmacology & Toxicology, UZH (Application Area A)

*Role of hypoxia in rheumatoid arthritis joint destruction*

Oliver Distler

Department of Rheumatology, UZH (Application Area B)

*The Fas-FLIP pathway in insulin production and secretion: good or evil?*

Desirée Schumann

Department of Internal Medicine, UZH (Application Area C)

*Imaging genetic differences*

Dominique J.-F. de Quervain

Division of Psychiatry Research, UZH (Application Area D)

18:15 **Keynote Lecture Application Area D: Central Regulation and Coordination**

*Vestibular loss causes hippocampal atrophy and impaired spatial memory in humans*

Thomas Brandt

Neurological Clinic, Ludwig-Maximilian-University Munich, Germany

19:15 Dinner

## Friday, September 30th, 2005

### 08:30 Oral Communications

*Tissue engineering of cardiovascular structures*

Simon P. Hoerstrup

Clinic for Cardiovascular Surgery, UZH (Application Area A)

*Adaptation of breathing patterns and ventilation at high altitude*

Konrad E. Bloch

Pneumology, UZH (Application Area B)

*Hydroxycitric acid delays intestinal glucose absorption*

Peter Wielinga

Institute of Veterinary Physiology, UZH (Application Area C)

*Physiological mechanisms of chronic neurogenic pain*

Daniel Jeanmonod

Neurosurgery Clinic, UZH (Application Area D)

### 09:30 Keynote Lecture Application Area C: "Milieu intérieur"

*Glucose as a signal to control glucose and energy homeostasis*

Bernhard Thorens

Department of Pharmacology and Toxicology, University of Lausanne

10:30 Coffee

### 11:00 Oral Communications

*Vascular protection by high-density lipoproteins*

Arnold von Eckardstein

Institute of Clinical Chemistry, UZH (Application Area A)

*Retinal oxygen: implications on vision*

Christian Grimm

Eye Clinic, UZH (Application Area B)

*Kidney and liver glutamine transporters involved in pH homeostasis*

Mital Dave

Institute of Physiology, UZH (Application Area C)

*Regulation of adolescent sleep: implications for behavior*

Oskar Jenni

University Children's Hospital Zurich (Application Area D)

### 12:00 Poster Session, Lunch

### 14:00 Keynote Lecture Application Area A: Cardiovascular

*Integrative human physiology and the cardiovascular system - a step into the future?*

Thomas Lüscher

Cardiology, UZH

15:00 **Concluding remarks:** Heini Murer