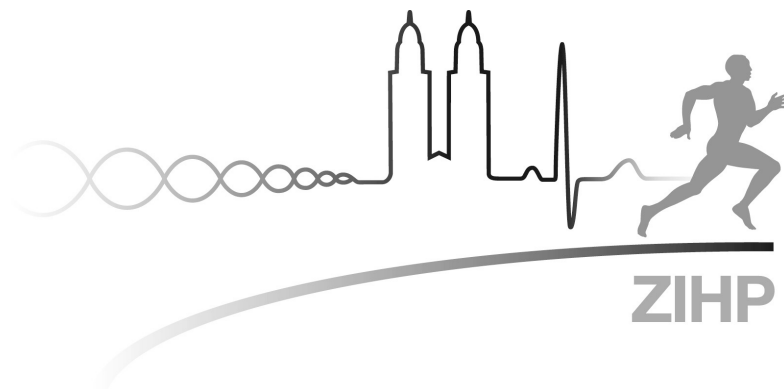




University of
Zurich^{UZH}

Zurich Center for Integrative Human Physiology (ZIHP)

7th Symposium of the Zurich Center for Integrative Human Physiology



Friday, August 26, 2011

Lecture Hall HAH-E-11, University of Zurich
Händeliweg 2, 8044 Zürich

University of Zurich
Zurich Center for Integrative Human Physiology (ZIHP) and
University Research Priority Program 'Integrative Human Physiology'

PhD Program in Integrative Molecular Medicine (imMed)

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Program

- 08:15 **Welcome**
Prof. Christian Grimm
Vice Chairman of the ZIHP Steering Committee, UZH
- 08:30 **Keynote Lecture**
Differential and integral views of genetics in the context of systems biology
Prof. Denis Noble
Cardiovascular Physiology, University of Oxford, UK
- 09:15 **Oral Presentations**
Endothelial mineralocorticoid receptor activation induces endothelial dysfunction in diet-induced obesity
Nicola Schäfer
Institute of Physiology, UZH, PhD Program imMed
- Reversible oxidative thiol modifications in control of Na,K-ATPase (NAK) activity in hypoxic heart*
Sergey Yakushev
Institute of Veterinary Physiology, UZH, PhD Program imMed
- Role of tissue specific overexpression of the transcription factor Nrf2 in mucosal inflammation*
Alexandra Cee
Division of Gastroenterology and Hepatology, USZ, PhD Program imMed
- Single motor unit recordings in human extraocular muscles show vestibulo-ocular reflex function*
Dr. Konrad P. Weber
Departments of Ophthalmology and Neurology, USZ
- 10:15 Coffee
- 10:45 **Keynote Lecture**
Risky communication in atherosclerosis
Prof. Brenda Kwak Chanson
Department of Pathology and Immunology, University of Geneva, Switzerland
- 11:30 **Oral Presentations**
Intracellular itinerary of high density lipoproteins during their transendothelial transport
Damir Perisa
Institute of Clinical Chemistry, USZ, PhD Program imMed
- Multimodal regulation of the oxygen-sensing pathway by presenilin 1 and 2 membrane proteases*
Muriel R. Kaufmann
Institute of Physiology, UZH, PhD Program imMed



L-arginine, L-lysine and L-glutamic acid reduce eating and affect gastrointestinal motility

Josua Jordi

Institute of Physiology, UZH, PhD Program imMed

Linking the major system markers for typical and atypical brain development: a multimodal imaging and spectroscopy study

Steffen Bollmann

MR-Center, University Children's Hospital Zurich

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture**

Skeletal muscle as an endocrine organ

Prof. Bente Klarlund Pedersen

Centre of Inflammation and Metabolism (CIM), Rigshospitalet, Copenhagen, Denmark

15:15 **Oral Presentations**

HDL from patients with coronary disease has impaired capacity to exert endothelial anti-apoptotic effects – critical role of clusterin and apolipoprotein CIII

Meliana Riwanto

Institute of Physiology, Cardiovascular Research, UZH, PhD Program imMed

Sleep and daytime performance at altitude

Dr. Tsogyal Daniela Latshang

Clinic for Pneumology, USZ

15:45 Coffee

16:15 **Oral Presentations**

The ammonia transporter RhCG contributes to but is not critical for renal ammonium excretion during high protein intake

Lisa Bounoure

Institute of Physiology, UZH, PhD Program imMed

Mapping cortical maturation by high density EEG during sleep

Salome Kurth

Child Development Center, University Children's Hospital Zurich

16:45 **Keynote Lecture**

Potassium channels: Critical determinants of adrenal hormone secretion

Prof. Richard Warth

Department of Physiology, University of Regensburg, Germany

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