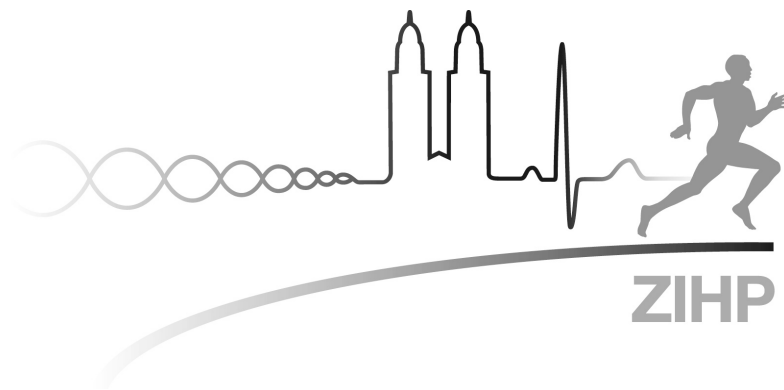




University of
Zurich^{UZH}

Zurich Center for Integrative Human Physiology (ZIHP)

11th Symposium of the Zurich Center for Integrative Human Physiology



Friday, August 21, 2015

Hörsaal HAH-E-11, Universität Zürich
Haldeliweg 2, 8044 Zürich

University of Zurich
Zurich Center for Integrative Human Physiology (ZIHP)
Winterthurerstrasse 190, 8057 Zürich
Tel. +41 44 635 50 88/47, E-Mail. info@zihp.uzh.ch, <http://www.zihp.uzh.ch>

PhD Program in Integrative Molecular Medicine (imMed)

In collaboration with the University Research Priority Program "Integrative Human Physiology"
<http://www.ufsp.uzh.ch/physiol>



Program

08:15 **Welcome**

08:30 **Keynote Lecture**

Elucidation of oxygen sensing pathways: Implications for physiology and medicine

Prof. Sir Peter Ratcliffe, Nuffield Department of Medicine, University of Oxford, U.K.

09:15 **Oral Presentations**

Inflammatory cells and cardiac stromal sub-populations involvement in fibrogenesis in systemic sclerosis

Mara Stellato, Research of Systemic Autoimmune Diseases, Division of Rheumatology, USZ, imMed PhD Program

*Pulmonary surfactant levels increase after shear stress**

Susanne Wiegert, Intensive Care Medicine and Neonatology, University Children's Hospital Zurich, imMed PhD Program

*Non-viral/minicircle vector transduction of hepatocytes in small pigs by hydrodynamic intraportal injection**

Dr. Hiu Man Viecelli, Division of Metabolism, University Children's Hospital Zurich

Sleep regulation: effect of sleep restriction and extension

Jelena Skorucak, Institute of Pharmacology and Toxicology, UZH

10:15 Coffee

10:45 **Keynote Lecture**

NoncodingRNAs in cardiac (patho)physiology

Prof. Dr. Dr. Thomas Thum, Institute of Molecular and Translational Therapeutic Strategies (IMTTS), Hannover Medical School, Germany

11:30 **Oral Presentations**

*Physiological variations in plasma K⁺ directly control phosphorylation of the thiazide-sensitive NaCl cotransporter**

Dr. David Penton Ribas, Institute of Anatomy, UZH

Elucidating novel metabolic pathways of the neurotoxic 1-deoxysphingolipids

Irina Alecu, Institute of Clinical Chemistry, UZH, imMed PhD Program



*Fetal stress hormone release with an oxytocin challenge test**

Dr. Tilo Burkhardt, Clinic of Obstetrics, USZ

microRNA-223 suppresses histone deacetylase 2 in chronic obstructive pulmonary disease

Caroline Leuenberger, Division of Pulmonology, USZ, imMed PhD Program

12:30 **Lunch and Posters**

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

14:30 **Keynote Lecture**

Drugs and placebos: what's the difference?

Prof. Dr. Fabrizio Benedetti, National Institute of Neuroscience, University of Turin, Italy

15:15 **Oral Presentations**

Genetic variation in dopaminergic signaling and the consequences of sleep loss in humans

Dr. Sebastian Holst, Institute of Pharmacology and Toxicology, UZH, alumnus imMed PhD Program

Serotonin transporter inhibition prevents Rac1-dependent cytoskeletal remodeling and reduces pancreatic acinar-to-ductal metaplasia formation

Enrica Saponara, Department of Visceral and Transplant Surgery, USZ, imMed PhD Program

15:45 Coffee

16:15 **Oral Presentations**

*Ca²⁺ in red blood cells as a diagnostic marker: implementation for rare anemias**

Dr. Asya Makhro, Institute of Veterinary Physiology, UZH, alumna imMed PhD Program

Molecular mechanisms of effector CD4⁺ T cell protection against cardiac fibrosis in human

Martina Zarak, Center for Molecular Cardiology, UZH/USZ, imMed PhD Program

16:45 **Keynote Lecture**

Klotho: Calcium-phosphate metabolism and aging

Prof. Dr. Florian Lang, Institute of Physiology, University of Tübingen, Germany

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

Concluding Remarks

*results emerged from a ZIHP cooperative project funded by the URPP „Integrative Human Physiology“