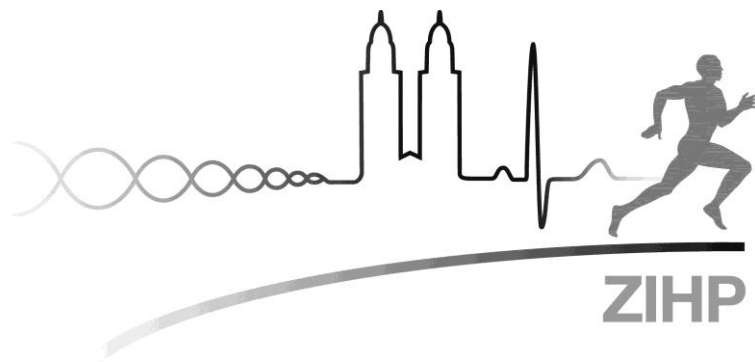


Zurich Center for Integrative Human Physiology (ZIHP)

15th Symposium of the Zurich Center for Integrative Human Physiology



Friday, August 23, 2019

Hörsaal HAH-E-11, Universität Zürich
Häldeliweg 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, <https://www.zihp.uzh.ch>

In collaboration with the PhD Program in Integrative Molecular Medicine (imMed)



Program

09:00 **Welcome**

09:15 **Keynote Lecture**

Modelling of flow and transport processes based on image data

Prof. Dr. Vartan Kurtcuoglu, Institute of Physiology, University of Zurich

10:00 **Oral Presentations**

Cell fate of renal erythropoietin-producing cells in health and disease

Sophie Dahl, Institute of Physiology, University of Zurich, imMed PhD Program

Quantification of 49 lipid mediators in biological samples using UHPLC-MS/MS

Ivan Hartling, Division of Clinical Chemistry, Children's Research Centre, University Children's Hospital Zurich, imMed PhD Program

10:30 Coffee

11:00 **Oral Presentations**

Whole-genome-sequencing-based pharmacogenetic profiling – at the leading edge of precision medicine

Sylvain Caspar, Center for Cardiovascular Genetics and Gene Diagnostics, Foundation for People with Rare Diseases, Schlieren-Zurich

Vestibular stimulation as a means to promote sleep: an overview of findings and possible underlying mechanisms

Rachel van Sluijs, Sensory Motor Systems Lab, Department of Health Sciences and Technology, ETH Zurich

11:30 **Farewell Lectures of ZIHP members**

Thirty years of quantitative sleep EEG analyses and modelling

Prof. Dr. Peter Achermann, Institute of Pharmacology and Toxicology, University of Zurich

Scientific Director of the KEY Institute for Brain-Mind Research, University Hospital of Psychiatry, Zurich

Epithelial transport and homeostasis

Prof. Dr. François Verrey, Institute of Physiology, University of Zurich

12:45 **Lunch and Poster session**



14:00 **General Assembly of all ZIHP members and Poster session**

14:30 **Oral Presentations**

Loss of PTPN2 in either dendritic cells or T cells results in reduced tumor burden in the orthotopic colon tumour mouse model

Egle Katkeviciute, Division of Gastroenterology and Hepatology, University Hospital Zurich

Stabilisation of hypoxia-inducible factor 1-alpha causes mitochondrial dysfunction in photoreceptors

Vyara Todorova, Department of Ophthalmology, University Hospital Zurich

ATOH7 loss-of-function mutations in a family with hypoplasia of the optic nerve

David Grubich Atac, Institute of Medical Molecular Genetics, University of Zurich, imMed PhD Program

Reversible infertility in male rats after administration of low affinity bromodomain inhibitor N, N- Dimethylacetamide

Nupur Khera, Oral Biotechnology and Bioengineering, Center for Dental Medicine, University Hospital Zurich, imMed PhD Program

15:30 **Keynote Lecture**

Iron powers immunity

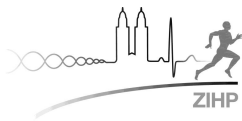
Prof. Dr. Hal Drake-Smith, MRC Human Immunology Unit, MRC Weatherall Institute of Molecular Medicine, University of Oxford, John Radcliffe Hospital

16:15 **Awards for the best presentation and the best posters**
Concluding Remarks



University of
Zurich ^{UZH}

Organized by the ZIHP in collaboration with the imMed PhD Program



Our sponsor:

