Annual Swiss Physiology Meeting 2017

Keynote speaker: Prof. Gisou van der Goot
Laboratory of Cell and Membrane Biology
EPF Lausanne, Switzerland
"Function and dynamics of protein palmitoylation"

A Forum for Young Physiologists:

Young Investigator Award: “Oetliker Prize”
to the best oral presentation and the best poster

Program and Abstracts

5 September 2017 University of Bern
Gertrud-Woker-Str. 5, 3012 Bern, Gemeinschaftshörsaal (GmH)
1. Program

09:30 - 10:10 \textbf{Registration and coffee}
University of Bern I Gertrud-Woker-Str. 5 I 3012 Bern,
Gemeinschaftshörsaal

10:10 - 10:15 \textbf{Welcome and introductory remarks}

10:15 - 11:15 \textbf{Keynote lecture: Prof. Dr. Gisou van der Goot}
Laboratory of Cell and Membrane Biology, EPFL
"Function and dynamics of protein palmitoylation"

11:30 - 12:30 \textbf{Young Investigator Award: poster competition}
\textit{(presenters must be by their posters)}

\textbf{Julia Baumann;} Zurich: Inhibition of Furin arrests brain endothelial cell migration and prevents TGFβ-mediated permeability changes at the blood-brain barrier

\textbf{Joaquim Blanch Salvador;} Bern: Cardiac specific IP3R overexpression: IP3ICR contribution in Ca2+ signalling

\textbf{Jessica Brunetti;} Genève: Localization of the splice variant STIM1L in Human Skeletal Muscle

\textbf{Morgan Chevalier;} Bern: Regulation of the cardiac sodium channel Nav1.5 by CASK is mediated by calcineurin

\textbf{Vasiliki Delitsikou;} Genève: Regulation of Klotho by proteinuria in Chronic Kidney Disease

\textbf{Mannekomba Diagbouga;} Genève: Does primary cilium influence the endothelial response to aneurysmal wall shear stress?

\textbf{Julia Günter;} Zurich: The role of the deubiquitinase OTUB1 in basal kidney function and renal inflammation
Christopher Henry; Genève: Does the architecture of the endoplasmic reticulum alter the propagation of cytosolic Ca2+ signals and the efficiency of Ca2+ store refilling during store-operated calcium entry?

Ji Huang; Fribourg: Role of arginase-II in regulation of renal aquaporin-2 and water reabsorption

Anna Keppner; Fribourg: Androglobin: a newly identified globin required for male fertility in mice

Ilaria Orlando; Zurich: Regulatory DNA elements modulating oxygen-regulated erythropoietin gene expression

Amalia Ruiz-Serrano; Zurich: Haploinsufficiency of the deubiquitinase OTUB1 affects energy metabolism and oxygen physiology in vivo

Zizun Wang; Bern: Abolition of the Dominant Negative Effect of Brugada Syndrome Variants

Yuyan Xiong; Fribourg: Role of arginase-II in regulation of aging

Yi Yu; Fribourg: Non-canonical effects of arginase-II in activation of mTORC1 through myosin-1b

12:30 - 14:00  Lunch and poster viewing

14:00 - 16.00  Young Investigator Award: Oral communications (15 min. each)

Beatrice Bianchi; Bern: Altered half-life of mutant TRPM4 proteins plays a major role in cardiac conduction disorders

Sheng-Fu Huang; Zurich: A new insight into the blood-brain barrier: Glutathione crosstalk between astrocytes and endothelial cells
Olga Komarynets; Geneva: Aldosterone controls primary cilium length and Ift88 abundance via mineralocorticoid receptor in the distal segments of the kidney tubule.

Lalita Oparija; Zurich: Regulation of basolateral amino acid uniporter LAT4 by phosphorylation

Duilio Potenza; Bern: Ablation of the RyR2-Ser2030 phosphorylation site limits changes in RyR2 sensitivity during β-adrenergic stimulation

Aderonke Sofoluwe; Genève: Reducing NETosis by targeting Pannexin1 channels

Chih-Chieh Tsao; Zurich: Pericyte HIF-1 deficiency modulates stroke outcome: Implications for a therapeutic time window of HIF-1 intervention

Sabrina Vullo; Lausanne: Conformational dynamics and role of the acidic pocket in ASIC pH-dependent gating

16:00 - 16:10 Jury session
16:10 - 16:30 Business meeting of the Society
16:30 - 16:45 Award ceremony: YIA Research Prize of the Oetliker Foundation 2017
17:00 End of meeting
3. Organizers

Life Sciences Switzerland (LS²)

Carolin von Schoultz (Scientific Officer)
Jacqueline Oberholzer (Executive Secretary)
...and our freelance support:
Dagmar Bocakova (design, bocakova@gmail.com), Dominique Ritter (administration), Michael Vögeli (IT)

LS² Section Physiology

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4. Sponsors

We’re very grateful for the generous support of:

Thank you all for your participation!

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