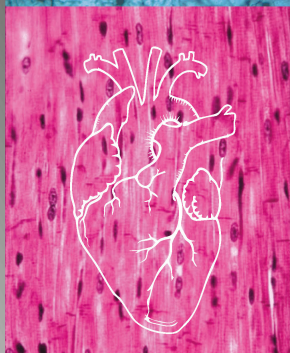




Annual Swiss

Physiology Meeting 2017



Keynote speaker: Prof. Gisou van der Goot

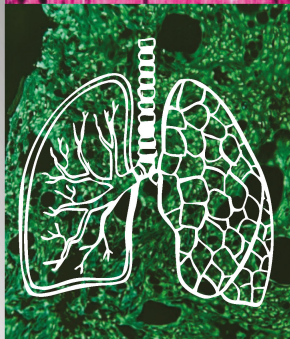
Laboratory of Cell and Membrane Biology
EPF Lausanne, Switzerland

"Function and dynamics of protein palmitoylation"

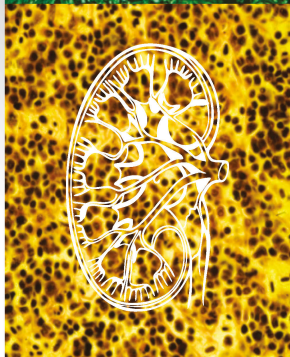
A Forum for Young Physiologists:

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)

LS²
Life Sciences Switzerland
Physiology

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1. Program

- 09:30 - 10:10 **Registration and coffee**
University of Bern | Gertrud-Woker-Str. 5 | 3012 Bern,
Gemeinschaftshörsaal
- 10:10 - 10:15 **Welcome and introductory remarks**
- 10:15 - 11:15 **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 **Young Investigator Award: poster competition
(presenters must be by their posters)**
- Julia Baumann**; Zurich: Inhibition of Furin arrests brain endothelial cell migration and prevents TGF β -mediated permeability changes at the blood-brain barrier
- Joaquim Blanch Salvador**; Bern: Cardiac specific IP3R overexpression: IP3ICR contribution in Ca²⁺ signalling
- Jessica Brunetti**; Genève: Localization of the splice variant STIM1L in Human Skeletal Muscle
- Morgan Chevalier**; Bern: Regulation of the cardiac sodium channel Nav1.5 by CASK is mediated by calcineurin
- Vasiliki Delitsikou**; Genève: Regulation of Klotho by proteinuria in Chronic Kidney Disease
- Mannekomba Diagbouga**; Genève: Does primary cilium influence the endothelial response to aneurysmal wall shear stress?
- 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)

Carolyn 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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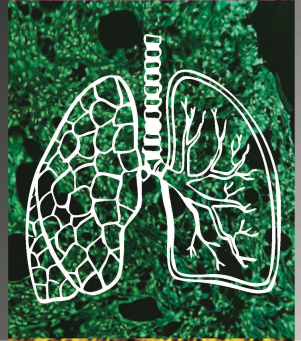
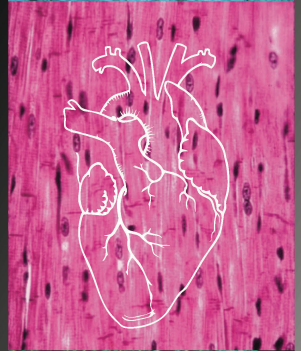


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Thank you all for your participation!

Feedback to:
info@ls2.ch



Design by Dagmar Bocakova
Zurich 2017

Think Possible



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