
Swiss Physiology Meeting

September 03, 2026

The School of Engineering and Architecture of Fribourg (HEIA-FR), Edouard Gremaud Auditorium

- 08:45 – 09:20** **Registration & Welcome coffee**
- 09:20 – 09:25** **Welcome words from Thomas Lutz** (University of Zurich),
president of the LS² Section Physiology
- 09:25 – 10:10** **Keynote lecture I**
Susanna Zierler (Johannes Kepler Universität Linz, Austria)
“Channeling immunity – targeting ion channels to modulate immune system homeostasis”
- 10:10 – 10:50** **Young Investigator Award, Poster competition**
Flash talks from all finalists (5 + 1 min)
- 10:10 – 10:16** **Greta Lommi** (University of Zurich)
“Mediobasal hypothalamic circuits mediate cagrilintide-induced feeding in HFD-fed male mice”
- 10:16 – 10:22** **Marisa Nagler** (University of Zurich)
“Semaglutide treatment during diet-induced weight loss attenuates subsequent weight regain in female rats subjected to weight cycling”
- 10:22 – 10:28** **Alexandros Taousanidis** (University of Bern)
“Decoding a structural paradox in GH1 - how novel mutations drive growth hormone deficiency beyond receptor binding”
- 10:28 – 10:34** **Jonathan Baillie** (University of Bern)
“IP3R2 inhibition reduces automaticity in hiPSC-derived cardiomyocytes through suppression of spontaneous intracellular Ca²⁺ release events”
- 10:34 – 10:40** **Enaam Chleilat** (University Heart Center Freiburg)
“Occurrence and prevention of a novel class of ischaemia-reperfusion arrhythmias”
- 10:40 – 10:46** **Jonas Zaugg** (University of Zurich)
“Weight cycling reveals microbial-immuno-metabolic adaptations predisposing diet-induced obese rats to weight regain”

10:50 – 11:20 **Coffee break & Industry Exhibition**

11:20 – 12:10 **Keynote lecture II**

Andreas Draguhn (Universität Heidelberg, Germany)

“Oscillating networks in the mammalian hippocampus – cellular mechanisms and their potential relevance”

12:10 – 13:10 **Lunch**

13:10 – 14:10 **Poster Session & Industry Exhibition**

14:10 – 15:10 **Young Investigator Award, Oral Communication**

Session-I: PhD students (10 + 5 min)

14:10 – 14:25 **Antonia Louise Herwig** (University of Fribourg)

“Androglobin coordinates ciliogenesis and GLI-dependent signaling through domain-dependent mechanisms”

14:25 – 14:40 **Mengjie Ma** (University of Geneva)

“Multi-omics analysis of airway epithelial cells following functional correction of mutant CFTR channel”

14:40 – 14:55 **Jutta Schillings** (University of Zurich)

“Establishing a novel rat model of postmenopausal metabolic syndrome to decipher estradiol-GLP-1 crosstalk in states of hormone depletion and replacement”

14:55 – 15:10 **Kathrin Von Bassewitz** (University of Zurich)

“Transient gut microbiome depletion during weight loss in weight cycling improves glucose tolerance and reduces fat regain in female rats”

15:10 – 15:35 **Coffee break & Industry Exhibition**

15:35 – 16:35 **Young Investigator Award, Oral Communication**

Session-II: Postdocs (10 + 5 min)

15:35 – 15:50

Laura Brandt (ETH Zurich)

“A novel non-viral protein cage for siRNAs delivery to the adrenal cortex”

15:50 – 16:05

Tahir Idris (University of Geneva)

“The novel roles of STIM1L in skeletal muscle architecture”

16:05 – 16:20

Manon Jeandel (University of Fribourg)

“Ectopic expression of ADGB modulates mitochondrial redox adaptation in a cancer model-dependent manner”

16:20 – 16:35

Bahareh Nazari (University of Bern)

“Structural maturation and improved Ca²⁺ handling properties in reshaped hiPSC-cardiomyocytes”

16:35 – 17:10

Coffee Break & Industry Exhibition

Parallel Jury session for YIA

17:10 – 17:30

LS² Physiology Section Meeting (open to all)



17:30 – 17:40

Award Ceremony: YIA Research Prize 2026 of the "Stiftung für Physiologie"

Presented by: Ernst Niggli



17:40 – 17:45

Closing remarks



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