



**SCIENCE  
EDUCATION  
PRIVATE HEALTH  
SINCE 2007**

# 12<sup>th</sup> Swiss Pharma Science Day 2019

**Wednesday, August 28, 2019**

**University of Bern, Langhans Auditorium,  
Pathology Building  
and  
House of the University of Bern**

**«DIABETES»**



# Intention

The SWISS PHARMA SCIENCE DAY (SPhSD) is an annual event of the Swiss Academy of Pharmaceutical Sciences (SAPhS, [www.saphw.ch](http://www.saphw.ch)). The 1<sup>st</sup> SPhSD was held on October 9, 2008, at the University of Bern. For congress reports 2008-2018 including all lecture and poster abstracts see [www.saphw.ch](http://www.saphw.ch). The SPhSD offers a platform to present, in form of a poster session, the latest research results of Master and PhD students, as well as Post-Docs of all the three Swiss Academic Institutions for Pharmaceutical Sciences, i.e. ETH Zurich, School of Pharmaceutical Sciences of the Universities of Geneva and Lausanne (EPGL) in Geneva and the University of Basel. Master students of the Universities of Applied Sciences, i.e. FHNW (School of Life Sciences, Muttens) and ZHAW (Life Sciences and Facility Management, Institute of Biotechnology, Wädenswil) are also invited to participate in this event.

The poster session is embedded in a series of lectures given by invited distinguished scientists representing the broad field of pharmaceutical sciences, such as Pharmaceutical Biology, Biotechnology, Technology, Chemistry, Analytics, Engineering, Pharmacology, or Molecular Biology.

One of the primary goals of the SPhSD is to further stimulate professional and social contacts between the students still undergoing training and Alumni, having already a position in industry, hospital, public health administration or public pharmacy. Thus, cooperation and networking between the different institutions in academia and industry and the different fields of pharmaceutical sciences is being promoted.

Last but not least, the SPhSD represents an ideal platform to meet young engineers and scientists, who may be recruited for a position in the academia, hospital, industry, public health administration or public pharmacy.

## Organizing Committee:

**Prof. Dr. Rudolf Brenneisen, SAPhS, Secretary General, Bern**  
[saphw@saphw.ch](mailto:saphw@saphw.ch)

**Prof. Dr. Gerrit Borchard, SAPhS, President**  
**School of Pharmaceutical Sciences EPGL, University of Geneva**  
[gerrit.borchard@unige.ch](mailto:gerrit.borchard@unige.ch)

# Program

## «Diabetes»

9:15-9:45 h

**Registration**

9:45-10:00 h

**Addresses of Welcome**

- Prof. Dr. Gerrit Borchard  
University of Geneva, President SAPHs
- PD Dr. Verena Schröder  
University of Bern, Dept. BioMedical Research
- Prof. Dr. Rudolf Brenneisen  
Secretary General SAPHs
- Prof. Dr. Hans Leuenberger  
University of Florida, former President SGPhW

**Morning Session**

**Chair: Prof. Dr. Hanns-Christian Mahler,  
Lonza AG Basel**

10:00-10:30 h

**Lecture 1: Keynote**

**Prof. Dr. Pierre Maechler  
University of Geneva Medical School (CMU):**

**«Limiting Insulin Secretion as an Anti-Obesity  
Therapeutic Strategy»**

10:30-11:00 h

**Coffee**

11:00-11:30 h

**Lecture 2: Pharmacology**

**Dr. Yossi Tam  
The Hebrew University of Jerusalem, Israel:**

**«Diabetes-Induced Chronic Kidney Disease:  
When Kidneys Get the Munchies»**

# Program (cont.)

11:30-12:00 h Discussion Lecture 1 and 2

12:00-14:00 h Lunch and Poster Session

## Afternoon Session

Chair: Prof. Dr. Jörg Huwyler, University of Basel

14:00-15:00 h Short Oral Presentations – Selected Abstracts

14:00-14:10

[M. Faria Freitas](#), [A.A. Leslie Gunatilaka](#), [M. Cuendet](#)  
EPGL, University of Geneva:

«Withanolides Inhibit Cell Proliferation in a Multiple Myeloma 3D Co-Culture Model Enriched with Cancer Stem Cells»

14:10-14:20

[C. Lamers](#), [B. Wagner](#), [P. Gros](#), [J. D. Lambris](#), [D. Ricklin](#)  
Dept. Pharm. Sciences, University of Basel:

«Structure-Activity Study and Molecular Insights in the Mode of Action of Complement C3 Inhibitor Cp40»

14:20-14:30

[L. D. Simmler](#), [R. Van Zessen](#), [L. C. Hadjas](#), [Ch. Lüscher](#)  
EPGL, University of Geneva:

«Acute Reinforcement, But Little Adaptive Behavior With Ketamine»

14:30-14:40

[F. Borgna](#), [C.A. Umbricht](#), [L. Deberle](#), [R. Schibli](#), [C. Müller](#)  
Center for Radiopharm. Sci., Paul Scherrer Institute Villigen:

«Combination of Albumin-Binding <sup>177</sup>Lu-PSMA-ALB-56 and Fast-Cleared PSMA-Inhibitors: Optimization of the Pharmacokinetics»

14:40-14:50

[V. Patrulea](#), [O. Jordan](#), [B.H. Gan](#), [E. Sublet](#), [K. Perron](#),  
[J.-L. Reymond](#), [G. Borchard](#)  
EPGL, University of Geneva:

«Highly Engineered Antibacterial Peptide Dendrimers Coupled to Chitosan Derivatives to Efficiently Eradicate Pseudomonas aeruginosa»

14:50-15:00

[I. Younes](#), [V. Patruela](#), [V. Frachet](#), [A. Boumendjel](#), [O. Jordan](#),  
[G. Borchard](#)  
EPGL, University of Geneva:

«A New Chalcone Derivative with High Pro-Apoptotic Effect on Cisplatin-Resistant Bladder Carcinoma»

# Program (cont.)

## Afternoon Session (cont.)

Chair: Prof. Dr. Jörg Huwyler, University of Basel

15:00-15:30 h

Lecture 3: Nanotechnology

Prof. Dr. Randall J. Mrsny

University of Bath, Bath U.K.:

«A Carrier-Mediated Approach for  
the Oral Delivery of Protein Therapeutics»

15:30-16:00 h

Lecture 4: Prenatal Pharmacology

PD Dr. med. Marc Baumann

University Hospital-Inselspital Bern:

«Diabetes in Pregnancy and Fetal Programming  
– From Basic Science to Clinics»

16:00-16:30 h

Discussion Lecture 3 and 4

16:30-16:45 h

Coffee

16:45-17:15 h

Award Ceremony

17:30-18:30 h

Apéro at the House of the University of Bern

# Registration

- **Registration:**  
Exclusively via the SAPHs website [www.saphw.ch](http://www.saphw.ch)
- **Fees:**  
Early registration until July 31, 2019: CHF 70.00 for students, PhD students and employees of SAPHs collective members, CHF 100.00 for SAPHs supportive members and all other participants.  
Late registration and onsite cash payment: CHF 100.00 and 150.00.  
Refund (fee minus CHF 10.00) in case of cancellation by e-mail until August 18, 2019.  
The invoice will be sent by e-mail after registration.
- **FPH credits:**  
«Offizinpharmazie» 50.00; «Spitalpharmazie» 50.00; «Klinische Pharmazie» 50.00

# Posters, Abstracts

Poster format: A0 portrait (H 118,9 x W 84,1 cm).

Abstracts already presented within the last year (except SPhSD 2018) can also be submitted.

Please send abstracts to: [saphw@saphw.ch](mailto:saphw@saphw.ch)

- **Deadline: extended to August 18, 2019.**
- Please follow *strictly* the abstract formatting as shown below; max. 1 page, MS Word doc.file, no pdf.
- **6 Poster awards: 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, Pharm. Biology, Pharm. Technology, Special Prize: 1500, 1000, 500, 1000, 1000, 500 CHF.**

**Title (Arial 11, bold, capitals/small; short, precise)**

**First (initials) and family names (Arial 10, bold, presenting author, affiliation<sup>1</sup>)**

<sup>1</sup>Affiliation, postal code city, country (Arial 9, italic normal)

**Introduction:** Text (Arial 11, normal, not justified, line spacing 1)

**Aims:**

**Methods:**

**Results:**

**Conclusions:**

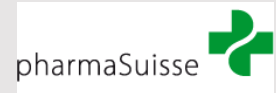
**Keywords (max. 5):**

**References (optional, max. 3, Arial 9, normal):**

[1] Hirani JJ, Rathod DA, Vadalala KR. Trop J Pharm Res 2009; 8: 161-72.

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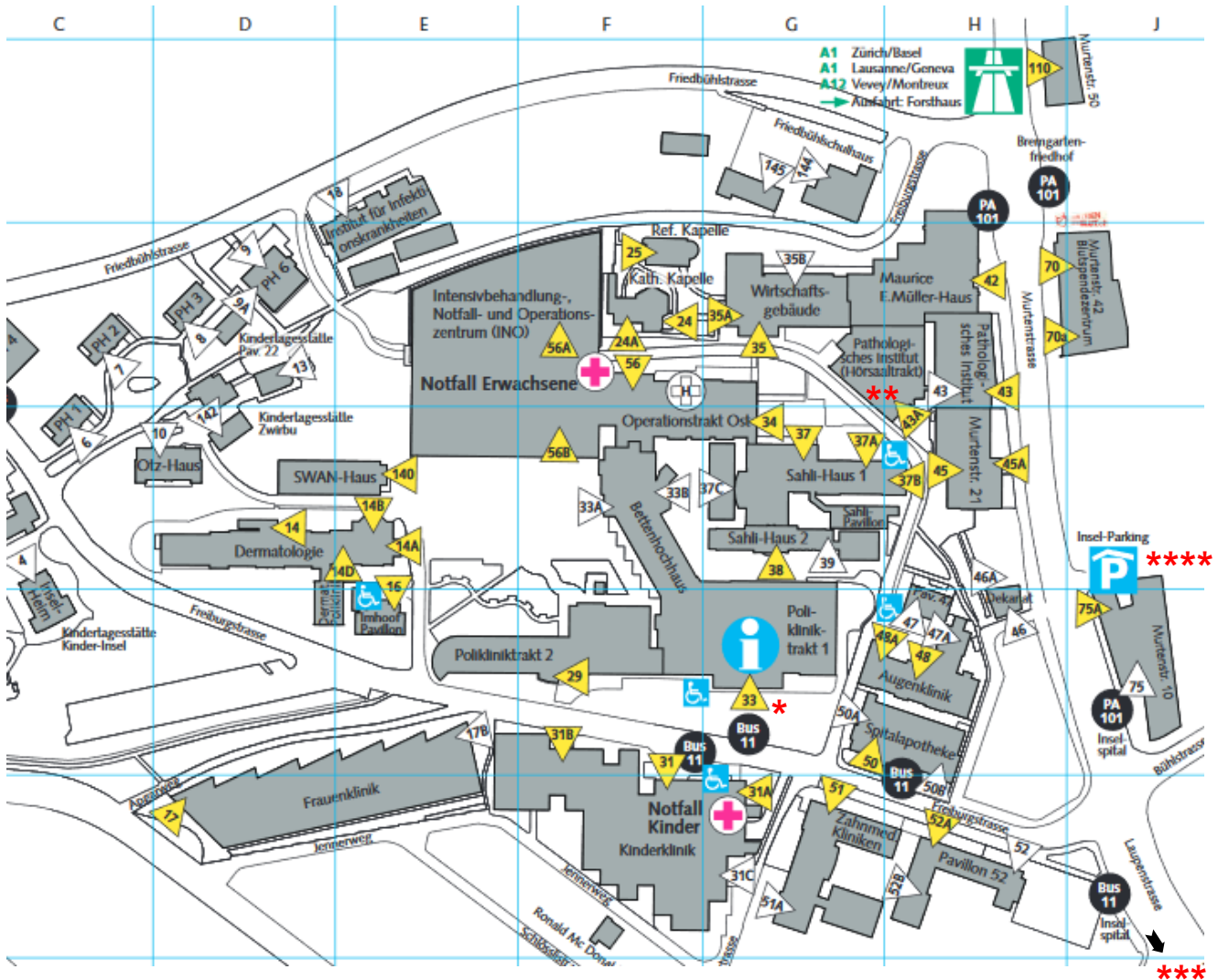


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# Directions



**SBB, main station** ➔ bus no. 11, direction «Inselspital-Holligen» ➔ exit bus station «Inselspital»\* ➔ follow sign «Swiss Pharma Science Day» ➔ entrance 43A (external staircase)\*\* ➔ Auditorium Langhans Pathology House of the University of Bern\*\*\* (within 10-min walking distance)  
**Parking «Inselspital» \*\*\*\*** (no parking space on site!)

# Accommodation

For hotels in Bern see:

<https://www.trivago.ch/> or <https://www.booking.com>