

Spring Meeting of the Swiss Society of Pharmacology and Toxicology

Animal models – lost in translation ?

20th April, 2017, Inselspital Bern



Source: Aldona von Gunten, Bern, Switzerland



SSPT Spring Meeting 2017

Auditorium Langhans, Inselspital Bern

20th April 2017

Organizer: Stephan von Gunten, University of Bern / Hugo Kupferschmidt, Tox Info Suisse Zürich / Elisabeth Rosner, Novartis Basel / Martin Traber, Biogen International Zug / Thomas Weiser, Roche Basel / Gabriele Weitz-Schmidt, AlloCyte Basel

Deadlines: *New abstract submission and registration deadline: 14th April, 2017 !*

Programme

Registration and Poster Set-Up
08:00 - 09:00

Session I
Opportunities and critical aspects
09:00 - 12:10

Session chairs: Hugo Kupferschmidt, Tox Info Suisse Zürich; Martin Traber, Biogen Zug

09:00 - 09:10	Welcome address Martin Traber, Biogen International, Zug, President of the SSPT
09:10 - 09:35	Of mice and men and medicine Marianne Martic, Collegium Helveticum University of Zürich and ETH Zürich
09:35 - 10:00	Bioethics Hanno Würbel, University Bern
10:00 - 10:25	Critical perspectives on animal models Beda Stadler, University of Bern

Coffee Break and Poster Viewing
10:25 - 10:50

Session II

Animal models in biomedical research

10:45 - 12:30

Session chairs: Carole Bourquin, University Lausanne; Birgit Ledermann, Novartis Basel

- 10:50 - 11:15 **Drosophila models**
Tor Erik Rusten, University Oslo
- 11:15 - 11:40 **Humanized mice models**
Christian Münz, University Zürich
- 11:40 - 12:05 **Pig models**
Eckhard Wolf, University Munich
- 12:05 - 12:30 **Non-human primate models**
Eric Schmidlin, University Fribourg

Poster Session and Buffet Lunch

12:30 - 13:45

12:30 - 12:55: poster 1-10 / 12:55 - 13:20: poster 11-20 / 13:20 - 13:45: poster 21 ff

Session III (parallel to Session IV)

Alternative models

13:45 - 15:00

Session chairs: Thomas Weiser, Roche Basel; Gabriele Weitz-Schmidt, AlloCyt Basel

- 13:45 - 14:10 **The Scar-in-a-Jar**
Michael Raghunath, ZHAW Life Sciences, Wädenswil
- 14:10 - 14:35 **Increasing biological relevance *in vitro*: From single microtissues to micro-physiological systems**
Jens Kelm, InSphero AG, Schlieren
- 14:35 - 15:00 **Worm-on-chip: Development and validation of a microfluidic platform for toxicity assays in the nematode *Caenorhabditis elegans***
Laurent Mouchiroud, EPFL, Lausanne

Session IV (parallel to Session III)

Special aspects

13:45 - 15:00

Session chairs: Andrea Huwiler, University Bern; Brigitte Franke-Bray, FFPM, FMH

- 13:45 - 14:10 **Circadian biological clock in animal models**
Urs Albrecht, University Fribourg
- 14:10 - 14:35 **Animal models of ageing**
Zihong Yang, University Fribourg
- 14:35 - 15:00 **Immunomodulation and opportunistic infections: *in vivo*, *in vitro*, and clinical investigations**
Michael Kammüller, Novartis

Coffee Break
15:00 - 15:20

Special lecture

- 15:20 - 15:35 **The European Certified Pharmacologist Programme**
Thomas Griesbacher, University Graz

Session V

New aspects, limitations and translation

15:35 - 17:10

Session chairs: Stephan von Gunten, University Bern; Georgia Konstantinidou, University Bern

- 15:35 - 15:50 **Androglobin: a newly identified globin required for male fertility in mice**
Anna Keppner, University Fribourg
- 15:50 - 16:05 **Role of AKAP2 in cardiac function and protection**
Darko Maric, University Lausanne
- 16:05 - 16:20 **Differentiation of human dermal stem cells to functional neurons by directed metabolic switch from glycolysis to oxidative phosphorylation via inhibition of PI3K**
He Liu, University Bern
- 16:20 - 16:45 **Pros and cons of mouse models**
Donald Branch, University of Toronto and Canadian Blood Service (CBS)
- 16:45 - 17:10 **Animal models and the BIA 10-2474 trial**
Elisabeth Rosner, Novartis Basel

Novartis Prize for best poster and best oral talk
17:10 - 17:20

Closing remarks
17:20 - 17:30