



Rodent Telemetry

User Meeting

Thursday, June 26th, 2014

13:00 – 18.00 h

University of Zurich, Irchel

Seminar room Y22 F70



Implantable radiotelemetric transmitters enable the continuous collection of physiological data, e.g. pressure or biopotential signals, respiration rate, body temperature or activity, in conscious freely moving animals.

This meeting aims to provide an insight into the benefits and opportunities of radiotelemetry in small rodents by bringing together Zurich's telemetry users to present their work and exchange experiences. Additionally, new possibilities in telemetric monitoring will be introduced as well as technical aspects for accurate monitoring will be discussed.

The meeting will be rewarded by half a day of continuous educational credits by the Veterinary Office of the Kanton Zurich.

Please register by email to petra.seebeck@uzh.ch until June 15th, 2014.

Contact: Dr. Petra Seebeck, Zurich Integrative Rodent Physiology (ZIRP)



Program

13:00 **Welcome**

13:10 **Technical aspects for accurate telemetric monitoring**

Thomas Penning

DSI European Manager, Datascience International

13:30 **Telemetry as a tool for pharmacological studies in rats with a new Nitrate**

Pierre Vankan & Branko Simic

Vankan Consulting & Center for Molecular Cardiology, University of Zurich

13:50 **Liposomes-supported dialysis: A universal platform for bio-detoxification**

Vincent Forster

Institute of Pharmaceutical Sciences, ETH Zurich

14:10 **Adipose-specific deletion of rictor impacts blood pressure and activity**

Elvira Haas

Clinic of Internal Medicine, University Hospital Zurich

14:30 **Blood pressure in uni-nephrectomised mice**

Samyuktha Pillai

Institute of Physiology, University of Zurich

14:50 **Sleep and clock system in inflammatory bowel disease**

Carla Sellés Moreno

Institute of Experimental Immunology, University of Zurich

15:10 **Coffee**

16:00 **New possibilities by telemetric glucose monitoring**

Thomas Penning

DSI European Manager, Datascience International

16:20 **Use of telemetry for continuous glucose monitoring in rats**

Christina Neuner Boyle

Institute of Veterinary Physiology, Vetsuisse Zurich

16:40 **Animal care during telemetry**

Petra Seebeck

Zurich Integrative Rodent Physiology, University of Zurich

17:00 **Legal requirements for telemetry experiments**

Michaela Thallmair

Animal Welfare Officer University of Zurich

17:20 **Is tail-cuff an alternative for blood pressure analysis?**

Dominique Loffing-Cueni

Institute of Anatomy, University of Zurich

17:40 **Apero**