



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**