

# Symposium on Comparative Medicine

for MSc students Vetmeduni Vienna and PhD-students, Postdocs in training

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| ■ Time:         | <b>31<sup>st</sup> January 2018 to 1<sup>st</sup> February 2018</b>   |
| ■ Place:        | <b>Festsaal (Banquet Hall) at the University of Veterinary Medicine, Vienna</b><br>Veterinärplatz 1<br>1210 Vienna, Austria   |
| ■ Organizers:   | Richard Moriggl (Functional Cancer Genomics, Vetmeduni Vienna)<br>Mathias Müller (Institute of Animal Breeding and Genetics, Vetmeduni Vienna)                              |
| ■ Registration: | <b>required until 19<sup>th</sup> January 2018</b> via e-mail to <a href="mailto:henriette.stocker@vetmeduni.ac.at">henriette.stocker@vetmeduni.ac.at</a><br>(max. 100 Pax) |

## Rationale

- presenting the Campus of the Vetmeduni Vienna and/or Vienna Life Science relevant research strategies and projects and the PIs/mentors
- balance between basic, translational and clinical/industrial research
- balance and mix of infectious diseases, inflammatory diseases and cancer, microbiota
- including technology/methodology/therapy related talks

## **Program DAY 1 Wednesday 31.01.2018**

- 9.15 a.m.: **Opening Ceremony**

- 9.30 a.m.:  
**Session 1 „Comparative Infection and Inflammation“**

### **Deciphering the local T-cell response of pigs in viral and bacterial infections**

Wihelm Gerner (Institute of Immunology, Vetmeduni Vienna)

### **Cell signaling and cellular immune response in poultry against an intestinal extracellular parasite**

Dieter Liebhart (University Clinic for Poultry and Fish Medicine, Vetmeduni Vienna)

### **Staphylococcus aureus surface glycopolymers in host-pathogen interaction**

Tom Grunert (Unit of Functional Microbiology, Vetmeduni Vienna):

- 11.00 a.m.: **Coffee break**

- 11.30 a.m.:  
**Session 1 „Comparative Infection and Inflammation“**

### **Innate immunity in retrovirus infection**

Stan Indik (Institute of Virology, Vetmeduni Vienna)

### **Cancer - the devil is in the detail**

Andreas Bergthaler (CeMM)

### **Inflammatory bowel disease and intestinal organoids - for the dog and beyond**

Iwan Burgener (University Clinic for Small Animals, Vetmeduni Vienna)

- 1.00 p.m.: **Lunch**

- 2.30 p.m.:  
**Session 2 „Comparative Oncology“**

### **Telomere maintenance mechanisms in Sarcoma**

Miriam Kleiter (Radiooncology and Nuclear Medicine Platform, Vetmeduni Vienna)

### **Canine and human mast cell neoplasms – A paradigmatic example of comparative oncology**

Michael Willmann (Internal Medicine Small Animals, Vetmeduni Vienna):

- 4.00 p.m.: **Coffee break**

- 4.30 p.m.:  
**Session 2 „Comparative Oncology“**

**Lymphoma in bipeds and quadrupeds: all the same?**

Birgitt Wolfesberger (Internal Medicine Small Animals, Vetmeduni Vienna)

**Tyrosine kinase inhibitor-induced vasculopathy: identification of vascular endothelial cells as primary targets**

Emir Hadzijusufovic (MedUni Vienna & Vetmeduni Vienna)

**Axl receptor tyrosine kinase in combating liver cancer**

Wolfgang Mikulits (MedUni Vienna)

**Program DAY 2 Thursday 01.02.2018:**

- 9.15 a.m.: **Opening introduction for the second day by organizers**

- 9.30 a.m.:  
**Session 3 „Microbiota and Metabolism in Health and Disease“**

**The microbiome of lymphnodes: implication for food safety**

Evelyn Selberherr-Mann or Martin Wagner (Institute of Milk Hygiene, Milk Technology and Food Science, Vetmeduni Vienna)

**Linking nutrition to gut microbiome and health in animals**

Barbara Metzler-Zebeli or Qendrim Zebeli (Institute of Animal Nutrition and Functional Plant Compounds, Vetmeduni Vienna)

**Gut microbiota functions: A selection of limited knowledge**

Alex Loy (Uni Wien)

- 11.00 a.m.: **Coffee break**

- 11.30 a.m.:  
**Session 3 „Microbiota and Metabolism in Health and Disease“**

**The human virome in health and disease**

Christoph Steininger (MedUni Vienna)

**Uncoupling proteins**

Elena Pohl (Unit of Physiology and Biophysics, Vetmeduni Vienna)

**Neuroendocrine control of metabolism**

Thomas Scherer (MedUni Vienna):

- 1.00 p.m.: **Lunch**

- 2.30 p.m.:  
**Session 4 „Therapies and Methodologies“**

**Next generation sequencing and chromatin activities**

Matthias Farlik (CeMM)

**Modeling colon cancer in vitro: signaling, tumor stroma interaction and drug response in organotypic 3D cultures**

Helmut Dolznig (MedUni Vienna)

**At the frontiers of comparative & laboratory animal pathology**

Simone Tangermann (Unit of Pathology of Laboratory Animals, Vetmeduni Vienna):

- 4.00 p.m.: **Coffee break**

- 4.30 p.m.:  
**Session 4 „Therapies and Methodologies“**

**Applied bioinformatics in cancer research**

Thomas Eder (Ludwig Boltzmann Institute Cancer Research)

**Confocal or Cryoelectron microscopy**

Martin Glösmann or Christiane Riedel (VetCore; Institute of Virology, Vetmeduni Vienna)

**Mass spectrometry in metabolomics**

Kristaps Klavins (CeMM)