

Symposium on Comparative Medicine

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

- Time: **31st January 2018 to 1st February 2018**
- Place: **Festsaal (Banquet Hall) at the University of Veterinary Medicine, Vienna**
Veterinärplatz 1
1210 Vienna, Austria
- Organizers: Richard Moriggl (Functional Cancer Genomics, Vetmeduni Vienna)
Mathias Müller (Institute of Animal Breeding and Genetics, Vetmeduni Vienna)
- Registration: **required until 19th January 2018** via e-mail to henriette.stocker@vetmeduni.ac.at
(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

Evelyne 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)