

# Comparative Medicine Symposium – Scientific Programme

## First Day, Thursday 22.5.2025

**09:15 – 09:30 Opening Ceremony** – Rectorate of Vetmeduni and Organizers

### Opening Talk

**09:30 – 10:10 Eva Schernhammer** (MedUni Wien): *“The Circadian System and Health: Old Dog New Tricks?”*

### Session 1: Mechanisms of protein degradation and innate immune sensing

**10:10 – 10:40 Gijs Versteeg** (MPL): *“Degradation of Cancer-Associated Deaminases Maintains Genome Integrity”*

**10:40 – 11:10 Moritz Gaidt** (IMP): *“Innate Immune Sensing of Pathogen-Encoded Activities”*

*11:10 – 11:40 Coffee Break*

### Session 2: Host Immunity and Pathogen Diversity

**11:40 – 12:10 Katarzyna Sitnik** (Vetmeduni): *“Immunomodulatory Properties of Splenic Stroma”*

**12:10 – 12:40 Pamela Burger** (Vetmeduni): *“Immune Genetics in Wild Felids and Camels - Contributing to the One Health Approach”*

**12:40 – 13:10 Alba Hykollari** (Vetmeduni): *“Chasing Bioactive Glycan Molecules in Parasites: Insights Into Novel Analytical Approaches for Comparative Glycomics”*

*13:10 – 14:10 Lunch Break*

### Session 3: Epilepsy and Tumour Biology

**14:10 – 14:40 Marion Bankstahl** (Vetmeduni): *“Modeling Acquired Epileptogenesis – Refinement, Reduction, and Translation”*

**14:40 – 15:10 Juliane Winkler** (Meduni Wien): *“Dissecting Tumour and Immune Cell Heterogeneity in Breast Cancer Metastasis”*

**15:10 – 15:40 Davide Seruggia** (CCRI): *“Gene Regulation in Leukemia: from Disease Predisposition to Vulnerabilities”*

*15:40 – 16:10 Coffee Break*

### Session 4: Evolutionary Circuits and Paleogenomics

**16:10 – 16:40 Lora Sweeney** (ISTA): *“Evolution and Development of Limb Movement”*

**16:40 – 17:10 Barbara Wallner** (Vetmeduni): *“In the Name of the Sire - the History of Domestic Horses through the Lens of the Y Chromosome”*

### Closing Talk

**17:10 – 17:50 Sascha Martens** (MPL): *“Mechanisms of Selective Autophagy”*

## **Second day, Friday 23.5.2025**

### **Opening Talk**

**09:15 – 09:55 Christa Bückner** (MPL): *“Enhancer Cooperativity Can Compensate for Loss of Activity Over Large Genomic Distances”*

### **Session 5: Stem Cell Research and Replacement Methods**

**09:55 – 10:25 Jens Kurreck** (TU Berlin): *„Bioprinting of Human Organ Models for Drug Development”*

**10:25 – 10:55 Paulina Latos** (Meduni): *“Repressive Mechanisms in Trophoblast Identity”*

*10:55 – 11:20 Coffee Break*

**11:20 – 11:50 Michael Ausserlechner** (Meduni Innsbruck): *“Bioprinted Tissue-on-Chip as Alternative to Animal Experiments”*

### **Session 6: Functional Genomics**

**11:50 – 12:20 Joanna Jachowicz** (IMBA): *“The regulatory role of transposable elements in early mammalian development”*

**12:20 – 12:50 Irma Querques** (MPL): *“BroadCASTing DNA: CRISPR-associated transposons in genome plasticity and engineering”*

*12:50 – 13:50 Lunch Break*

### **Afternoon Talk**

**13:50 – 14:30 Georg Winter** (CeMM): *“Targeted protein degradation”*

### **Session 7: Environmental Change and One Health**

**14:30 – 15:00 Valeria Marasco** (Vetmeduni): *“Vulnerability and Resilience to Environmental Stressors in the Face of Ongoing Climate Change: what Ecophysiological Research Can Teach Us?”*

**15:00 – 15:30 Olga Makarova** (Vetmeduni): *“Pandemic and emergent lineages of pathogenic ESBL Escherichia coli in Viennese dogs”.*

*15:30 – 16:00 Coffee Break*

### **Session 8: Career Models: Biotech, Industry and Science Communication**

**16:00 – 16:20 Katrin Ramsauer** (CEPI): *“CEPI - Funding for Vaccine Product Development in Non-Commercial Space”*

**16:20 – 16:40 Lea Pichler** (FÄKT ÖAW): *Science Communication for the younger generation: the digital world*

**16:40 – 17:00 Simone Tangemann** (CSL): *“Careers in Drug Discovery and Preclinical Development”*

**17:00 – 17:20 Sebastian Carotta** (Böhringer Ingelheim): *“Academic Career versus Industry Career”*

**17:20 – 17:25 Closing Remarks**

**17:25 Drinks and Networking**