

4th Symposium on Comparative Medicine



Banquet Hall (Festsaal)

January 30 and 31, 2020

Organizing Committee:

Monika Ehling-Schulz, Birgit Strobl, Iwan Burgener,
Florian Grebien, Dieter Klein, Richard Moriggl, Mathias
Müller, ÖH Vetmeduni Vienna

FIRST DAY, Thursday 30.01.2020

9.15 – Opening Ceremony (Rectorate of Vetmeduni Vienna)

9.30 – Plenary Talk 1 (Chair: Richard Moriggl)

Erwin F. Wagner (MedUni Vienna) – Inflammation linked to metabolism and cancer

10.15 – Plenary Talk 2 (Chair: Florian Grebien)

Johannes Zuber (IMP Vienna) – Deciphering cancer dependencies using functional genomics

11.00 – First Coffee Break

11.30 – Session 1 ‘Tissue Repair and Neoplasia’ (Chair: Tobias Suske)

Julia Wilflingseder (Vetmeduni) – Enhancer and super-enhancer dynamics in repair after acute kidney injury

Barbara Maurer (Vetmeduni) – CDK6 is an essential signalling node in JAK2^{V617F}-driven myeloproliferative diseases

12.30 – Session 2 ‘Virology and Genome Editing’ (Chair: Alessia Schirrupa)

Stan Indik (Vetmeduni) – A novel method for safer genome editing using lentivirus-based nanoparticles pre-packed with the Cas9 protein

Christiane Riedel (Vetmeduni) – Dynamics of *BVDV* entry and its dependence on bovine CD46

13.30 – Lunch Break

14.30 – ‘A Roadmap for Students: Special Research (SFB) and Doctoral Programs (DK, DocFund) with Interdisciplinary Research at Vetmeduni Campus’ (Chair: Mathias Müller)

14.30 – Anja Joachim (Vetmeduni) – Vetmeduni Graduate School PaP, Pig and Poultry Medicine

<https://www.vetmeduni.ac.at/de/graduate-school-pig-and-poultry-medicine/faculty-and-associate-faculty/>

14.40 – Birgit Strobl (Vetmeduni) – FWF DocFund TissueHome, Molecular & Cellular Control of Tissue Homeostasis in Health & Disease

<https://tissuehome.meduniwien.ac.at>

14.50 – Jörg Aurich (Vetmeduni) – Vetmeduni Graduate Programme Animal Reproduction

<https://www.vetmeduni.ac.at/de/graduate-programme-animal-reproduction/faculty/>

15.00 – Ludwig Huber (Interuniversity Messerli Research Institute) – FWF DK W1262 Cognition & Communication

<https://cogcom.univie.ac.at/doctoral-program/>

Organisational Information

Session Chair Persons – PhD students of Department for Biomedical Sciences Vetmeduni Vienna

Coffee & Lunch – Foyer of Banquet Hall

Plenary Talk – 35 min, 10 min discussion

Session Talk – 20-25 min, 5-10 min discussion

Program Presentations – 10 min & PIs to Work with & Projects to Work on – 5 min

15.10 – Robert Kofler (Vetmeduni) – FWF DK W1225 PopGen, Population Genetics Vienna
<https://www.popgen-vienna.at>

15.20 Richard Moriggl (Vetmeduni) – FWF SFB F47 MPN, Myeloproliferative Neoplasms
<https://www.meduniwien.ac.at/hp/sfb-mpn/>

15.30 Mathias Müller (Vetmeduni) – FWF SFB F61 JAK-STAT Monarchies and Hierarchies
www.jak-stat.at

15.40 – Second Coffee Break

16.30 – Session 3 ‘Pls to Work With & Projects to Work On’ (Chair: Elizabeth Heyes)

Monika Ehling-Schulz (Functional Microbiology, Vetmeduni)

Barbara Metzler-Zebeli (Nutritional Physiology, Vetmeduni)

Elena Pohl (Physiology and Biophysics, Vetmeduni)

Veronika Sexl (Pharmacology and Toxicology, Vetmeduni)

Reinhold Erben (Physiology, Pathophysiology and Exp. Endocrinology, Vetmeduni)

Florian Grebien (Medical Biochemistry, Vetmeduni)

Lukas Kenner (Pathology of Laboratory Animals, Vetmeduni, Meduni Vienna)

Additional 3 slots

SECOND DAY, Friday 31.01.2020

9.00 – Opening Introduction by Organizers

9.15 – Plenary Talk 3 (Chair: Iwan Burgener)

Joanna Loizou (CeMM ÖAW) – Safeguarding the integrity of the human genome

10.00 – Plenary Talk 4 (Chair: Monika Ehling-Schulz)

Jörg Menche (CeMM ÖAW) – Network medicine: from protein-protein to drug-drug interactions

10.45 – Session 4 ‘Comparative Pathology and 3D Modelling (Chair: Mojinyinola Joanna Ola)

Sabine Lager (Vetmeduni) – Laboratory animal pathology: bridging translational medicine and basic research

11.15 – Third Coffee Break

11.45 – Session 4 ‘Comparative Pathology and 3D Modelling (Chair: Mojinyinola Joanna Ola)

Nina Kramer (Vetmeduni) – Generation of differentiating and long-living canine intestinal organoids as a physiologically relevant system for basic research and translational medicine

12.15 – Session 5 ‘Allergology, Microbes and Targeting Strategies’ (Chair: Astrid Digruber)

Christoph Jindra (Vetmeduni) – Live-attenuated, recombinant influenza viruses expressing BPV1 oncogenes as a promising, novel therapy of equine sarcoid

Franziska Roth-Walter (Interuniversity Messerli Research Institute) – Ligand-transport by beta-lactoglobulin confers immune resilience against allergy

Tom Grunert (Vetmeduni) – SigB - a molecular switch on the road to persistence

13.45 – Lunch Break

14.30 – ‘Core Technologies & Advanced Methodologies’ (Chair: Dieter Klein)

Thomas Eder (Vetmeduni) – Benchmarking differential ChIP-seq tools

Ursula Reichart (Vetmeduni Vienna) – Imaging at campus core facility

Felix Locker (Vetmeduni) – Live-cell bioenergetic analysis via the Seahorse metabolic flux analyzer

16.00 – Fourth Coffee Break

16.30 – ‘Views from Industry’ (Chair: Anna Orlova)

Joe Lewis (EMBL Heidelberg, ChemBiol Core Facility) – From academia to biotech and back again

Oliver Szolar (CEO a:head bio AG) – Building and developing biotechs - my career in a nutshell

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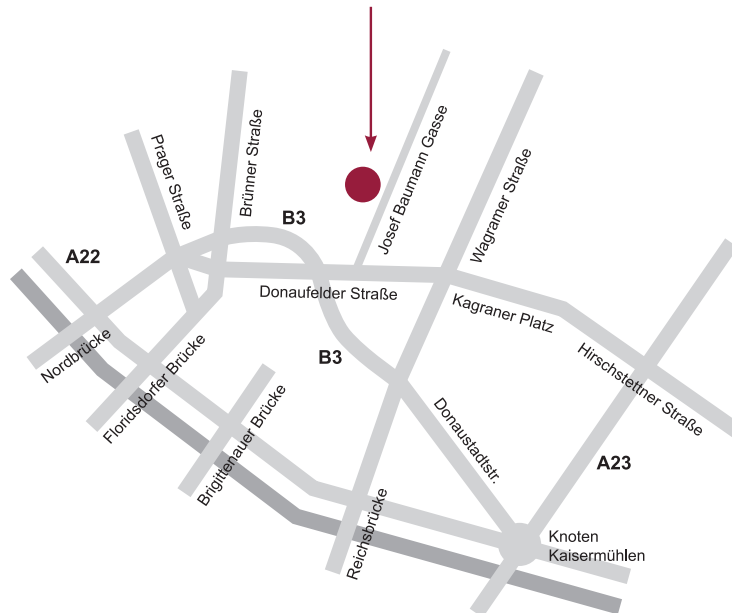
Program Presentations – 10 min & Pls to Work with & Projects to Work on – 5 min

Kindly sponsored by:

Organizing Committee Members, ÖH Vetmeduni Vienna (Student's Unit); Rectorate of Vetmeduni Vienna; FWF SFB F61 JakStat Monarchies



Arrival at the University of Veterinary Medicine, Vienna



Parking: There is only limited parking space on the campus.
We recommend using public transport.

Public transport

- **Underground line U1** to Kagran, **bus line 27A** direction Hermann-Gebauer-Straße to Veterinärmedizinische Universität Wien or **tram line 25** direction Floridsdorf to Josef-Baumann-Gasse.
- **Underground line U1** to Kagraner Platz, **tram line 26** direction Strebersdorf to Josef-Baumann-Gasse/Veterinärmedizinische Universität Wien.
- **Underground line U6** to Floridsdorf, **tram line 26** to Josef-Baumann-Gasse/Veterinärmedizinische Universität Wien or **tram line 25** direction Aspern, Oberdorfstraße to Josef-Baumann-Gasse.

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