The University of Veterinary Medicine, Vienna is active in teaching and research and provides services in connection with ensuring animal health in Austria. These tasks represent our contribution to maintaining the health of humans and their animal companions as well as to producing healthy food.

To meet our objectives, our **Institute of Animal Breeding and Genetics at the Department of Biomedical Sciences** is looking for

**2 PhD Positions in JAK-STAT Signaling Pathway & Genome Reprogramming**

**Grade:** B1  
**Level of employment:** 30 hours  
**Length of employment:** 3 years  
**Deadline for applications:** 08.05.2021

**Responsibilities**
- Carry out research under supervision in the stimulating and highly competitive research consortium ([www.jak-stat.at](http://www.jak-stat.at)) deciphering the impact of the JAK-STAT signalling pathway on tissue and organ homeostasis and on onset and resolution of infectious, inflammatory or tumorous conditions
- Biostatistical/bioinformatical analysis of next generation sequencing (NGS) data for an integrative anlysis of the chromatin architecture of primary wildtype und JAK/STAT-mutant cells
- Reciprocal translation and validation of NGS and molecular cell biology data
- Achieve first authorship publication in international renown journal

**Necessary knowledge and qualifications**
- MSc in (bio-)informatics, computer or data science; alternatively MSc in molecular biology or other life science/medical studies with practical experience in analysis of NGS data in -Omics fields
- Experience with R scripts; familiar with Unix/Linux operating systems
- Experience with biostatistical methods; proficiency in data visualization
- Understanding of molecular biological concepts: DNA, RNA, protein, transcriptional and translational regulation, chromation remodelling, (epi-)genomics
- Excellent written and spoken level of English

**Skills and Abilities**
- Knowledge in molecular signalling cascades and basic wetbench experience with molecular cell biology techniques
- Good organizational skills and the ability to work independently
- Ability to work as part of a distributed team in an international and interdisciplinary environment

**Contact /Further Information**
Univ.-Prof. Dr. Mathias Müller  
T +43 1 25077-5601  
E henriette.stocker@vetmeduni.ac.at
Minimum salary
The minimum salary for university staff is regulated by the collective contract and at the level given above amounts to EUR 2,228.60 gross per month (14 times/year). The minimum salary may be increased when previous employment and other salary components are taken into account.

Applications
Please submit applications quoting the reference number 2021/0418 via e-mail (preferably) to bewerbungen@vetmeduni.ac.at or by post to the Personnel Department of the University of Veterinary Medicine, Veterinärplatz 1, 1210 Vienna. Please do not forget to include the reference number or we shall be unable to relate your application to the correct vacancy announcement.

The Vetmeduni Vienna is attempting to increase the proportion of female staff, particularly in senior positions, and in accordance with § 41 of the 2002 Universities Act it is striving to attain a balanced representation of men and women, especially on its scientific staff. Applications from qualified women are thus particularly welcomed. If women are underrepresented (below 50%), female applicants who are as well qualified as the best qualified male applicants will be given preference, provided that there are no strong reasons for favouring a particular male candidate.

Applicants have no entitlement to reimbursement of any travel or accommodation costs they may incur as a result of the application procedure.

The Vetmeduni Vienna is proud to have been awarded the certificate “hochschuleundfamilie” (career and family). We should thus be especially pleased to receive applications from people with families. Applications from persons with disabilities are similarly welcome.