

The Vetmeduni teaches, undertakes research and offers services designed to guarantee the health of animals in Austria. We view our work as our contribution to ensuring human health and the health of our animal companions as well as to the production of healthy food. To help us meet these objectives,

our **Vice- Rector for Research and International Relations** is looking for a

University Assistant (Pre-Doc): The role of the T_{reg}:Th17 ratio in OA - restoring the balance by epigenetic and metabolic reprogramming

to be part of our Vetmeduni PhD Programme “One Health”.

Grade:	B1 pre-doc
Level of employment:	30 hours per week
Duration of contract:	limited to 3.5 years
Deadline for applications:	16.08.2023
Reference number:	2023/0272

The Vetmeduni PhD Programme “One Health”

The University of Veterinary Medicine, Vienna (Vetmeduni), Austria is calling for applications for the first cycle (academic year 2023/2024) of its new One Health PhD Programme.

The Programme is designed for students who wish to undertake research at the intersection of animal and human health, food safety and environmental sustainability. Our curriculum covers a broad range of topics including epidemiology, infectious and non-communicable diseases, microbiology, data science, food safety, ecology and conservation medicine. The faculty members are experts in their fields and will provide students with a high-quality education and hands-on research experience. Students will have the opportunity to conduct research on human, animal and environmental health, contributing to innovative solutions to current and future health problems. The One Health Programme will be taught in English.

Project:

Osteoarthritis (OA) is the most common chronic musculoskeletal disease and a leading cause of disability. It represents a significant health and welfare problem, both in humans and in horses. In OA, the synovium displays a CD4⁺ T-cell infiltration, characterized by a proinflammatory Th1 and Th17 cell predominance. This project will take a novel approach to address the chronically inflamed articular environment by modulating the pro-repair regulatory T-cell lineage commitment by epigenetic and metabolic reprogramming, utilizing microRNA mimics, probiotic supernatants or EGCG as potential therapeutic factors.

The successful candidate will be expected to start working on the project between 01.08.2023 and 01.11.2023.

Further information on the “One Health” PhD Programme may be found on our [home page](#).

Tasks

- Preparation of a dissertation or PhD thesis
- Participation in research and in the management of research projects, publications/ scientific articles
- Presentations and participation at / organization of events

Necessary education, qualifications and knowledge on taking up employment

- Graduation (diploma study, Master study) in veterinary or human medicine or in another field of life sciences
- Good knowledge of English (B2)

Desirable qualifications and skills

- Experience of practical work in the laboratory
- Experience in cell culture and in molecular biological analysis
- Experience in the isolation and culture of chondrocytes and synovocytes and in the isolation, culture and characterization of T cells
- Experience with qPCR, NGS, ELISA, cytokine arrays, IHC
- A cooperative attitude and the ability to work in a team
- A high level of organizational skill
- A structured and accurate way of working

We offer

- Top university: the Vetmeduni is one of the leading academic institutions in Europe to offer education in and undertake research on veterinary medicine
- Stable employer
- Attractive campus
- Opportunities for further training, both personal and in connection with your career
- Preventive and medical health care
- Diversity- and family-friendly culture
- Childcare facilities, both in term time and during holidays
- Many attractive fringe benefits
- Staff events

Minimum salary

The minimum salaries at universities are governed by a collective bargaining agreement. At the level given above, the minimum salary amounts to EUR 3,277.30 net per month (based on full-time employment).

Applications

We shall be happy to receive your application, quoting **reference number 2023/0272**, by e-mail to bewerbungen@vetmeduni.ac.at. Please **do not forget to include the reference number**, or we shall not be able to assign your application to the correct position.

- As an alternative to a graduation certificate, you may submit an official declaration from your institution giving the date you are expected to graduate. If you are selected for the position, you must provide your graduation certificate when you take up employment.

In accordance with § 41 of the 2002 Universities Act, the Vetmeduni is striving to increase the proportion of female staff members, particularly in leadership positions, and to achieve a balanced ratio of men and women on its staff, especially the scientific staff, and would thus welcome applications from qualified females. If women are underrepresented (below 50%), female candidates who are as well qualified as the most appropriate male candidates will be given preference, provided that there is no reason to prefer a particular males candidate.

There is no cost for applying for the position. However, candidates have no rights to reimbursement of any travel and accommodation costs that may arise in connection with their applications.

The Vetmeduni is proud to hold the certificate "hochschuleundfamilie" (university and family) and thus welcomes applications from people with families. We also welcome applications from persons with disabilities.

Further information

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