

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 **Centre of Pathobiology, Department of Biological Sciences and Pathobiology** is looking for a

University Assistant (Pre-Doc) Phd-Student in the area of bat versus human infection processes

Grade:	B1 Pre-Doc
Level of employment:	30 hours per week
Duration of contract:	limited to 4 years
Deadline for applications:	22.5.2204
Reference number:	2024/0084

Located at: Vienna, Campus Vetmeduni and branch office in Innsbruck, Ignaz Semmelweis Institut für Infektionsforschung (ISI)

Responsibilities and tasks

You will be part of an exciting project on complementing our knowledge on bat versus human infection processes supervised at Vetmeduni, which is assigned to the Ignaz Semmelweis Institute and the Center of Pathobiology. Your tasks include, among others:

- Research and generating publications/ scientific articles
- (Co-)Development of innovative (3D) cell culture models and organoids of bat respiratory tract in order to build a comparative infectiology for the study of zoonoses
- Optimization and standardization of these models for further analyzes to combat zoonoses
- Acquiring the ability to culture already established human respiratory models
- Carrying out and evaluating infection experiments in vitro, detailed characterization of mechanisms in bat vs. human following infection (on a cellular and molecular level) using state-of-the-art techniques/technologies
- Co-supervision of PhD, MSc and BSc students and assistance at academic teaching
- Supervising Laboratory organization
- Working according to SOPs and acquiring the knowledge on accurate, scientific documentation
- Presentations and participation in events
- Administrative tasks

Necessary education, qualifications and knowledge on taking up employment

- Completed relevant MSc studies (veterinary medicine, natural sciences, biomedicine or biotechnology – Diploma or Bachelor+Masters's degree with in a frame of 300 ECTS)
- Work with cell cultures according to Good cell culture practice (GCCP)
- Experience of independently studying the differences in infection processes in bat and human barrier models
- Basic knowledge of immunology and physiology
- Very good knowledge of German (C1)
- good knowledge of English (B2)

Desirable qualifications and skills

- Motivation to advance our understanding of differences / similarities in bat and human epithelial cells following infection using various respiratory pathogens
- Experience in 3D cell cultures and/or MPS
- Basic immunological, molecular biological and virological knowledge desired (theory and practice)
- Creativity for 'unconventional' thinking
- Good communication skills (including written reporting and scientific presentation) and teamwork ability
- Ability and willingness to learn working independently within the framework of the project
- Result- and solution-oriented work
- Precision
- Initiative

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 3,578.80 gross per month (based on full-time employment).

Applications

We shall be happy to receive your application, quoting **reference number 2024/0084**, 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.

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 or chronic conditions. If you have any questions, please contact our representative for disabled people, Franz Mitterbauer (franz.mitterbauer@vetmeduni.ac.at).

Further information

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