Universität Zürich[UZH]

Vetsuisse Faculty

The Vetsuisse Faculty of the University of Zurich invites applications for an

Assistant Professorship in Digital One Health (Tenure Track) – 100 %

The position should focus on the future transformation of human-shaped ecosystems through systematic analysis of current health-related data and the development of new tools for this purpose. This should lead to a digitized technological perspective of the interface between animal health, human health, and the environment. The topic of this professorship is in line with two of the three research priorities of the Vetsuisse Faculty of the University of Zurich (UZH), namely One Health and Digitalization.

The successful candidate will be an active member of the One Health Institute (OHI) at the UZH, a newly established institute that will initially comprise three professorships in One Health, with a respective focus on epidemiology, evolution, and digitalization. The professorship will be affiliated with the UZH Digital Society Initiative (DSI), ensuring a direct link to scientifically and socially relevant applications while also allowing for excellent synergies between the DSI professorships and within the DSI communities. Interaction and collaboration with various other research groups at the UZH and ETH is highly recommended. Contribution to extracurricular teaching at the Vetsuisse Faculty, as well as supervision of master and/or PhD students and/or postgraduate students of the Vetsuisse Faculty, the Faculty of Medicine, and the Faculty of Science, is expected.

Applicants for the assistant professorship should be data scientists with a DVM, MD or PhD degree and excellent written and oral communication skills (English and preferably German). Suitable candidates should have an excellent academic record in collaborative, interdisciplinary, digital projects and big data analyses related to One Health, with a focus on the integration of animal and human health, including environmental and GIS data. Evidence of teaching skills is expected.

The successful candidate will be expected to conduct research and attract funding for projects assessing animal and human health risk factors and resulting environmental impacts, including translational aspects of disease mechanisms. These can include, but need not be limited to, research using animal electronic health records, clinic-level data, animal sensors recording production measures, physiological and behavioural data, data on animal movement, trade, and human mobility, as well as environmental data. The corresponding familiarity with text extraction, Structured Query Language (SQL), large-database programming, artificial intelligence and machine learning methods, including large language models, is expected. Experience in participatory data collection and analysis, and citizen science approaches would be a bonus.

The University of Zurich is an equal opportunity employer and strives to increase the proportion of women in leadership positions. Qualified female researchers are therefore encouraged to apply. Candidates will be evaluated in accordance with DORA and the Open Science Policy of the University of Zurich.

For further information

please contact the Chair of the Appointments Committee, Prof. Dr. Regula Bettschart-Wolfensberger (rbettschart@vetclinics.uzh.ch) at the Anaesthesiology Section of the Department for Clinical Diagnostics and Services.

Please submit your electronic application, including a letter of motivation, a CV including a list of publications, a research and teaching statement, a diversity and inclusion statement, and a list of academic references for this position (all in 1 PDF file) by 4 May 2025 to Marlen Tschudin Wyler (dekanat@vetadm.uzh.ch). Applications sent by post will not be considered.