Leonida Fusani, PhD
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vetmeduni
University of Veterinary Medicine, Vienna

Konrad Lorenz Institute of Ethology
Laboratory of Ornithology

our Department for Interdisciplinary Life Sciences (**Konrad Lorenz Institute of Ethology**) is looking for a **University Assistant (Post-Doc) in Computational Behavioural Science**

University Assistant (Post-Doc) in Computational Behavioural Science

Grade:	B1 Post-Doc
Level of employment:	40 hours per week
Duration of contract:	limited to 4 years
Deadline for applications:	**24.04.2024**
Reference number:	**2024/0057**

Place of work: Savoyenstraße 1, 1160 Vienna

This University Assistant (Post-Doc) position, limited to a period of 4 years, is immediately available at the Konrad Lorenz Institute of Ethology at the University of Veterinary Medicine Vienna, in the laboratory of Prof. Leonida Fusani. The role involves investigating the behaviour of birds using state-of-the-art motion capture and image processing methods.

We are seeking a candidate with experience in applying modern computational tools for the study of complex biological patterns. We have acquired instruments to record courtship behaviour of birds in both natural and laboratory settings. Additionally, we have developed methods to analyse these recordings through semi-automatic motion tracking and the detection of behavioural patterns using machine learning tools. Moreover, we have several ongoing projects spanning from avian migration physiology to association between genes and behaviour in elaborate courtship. We are searching of an experienced data scientist who can assist us in experiment planning and data analysis.

Fusani is affiliated with the Konrad Lorenz Institute of Ethology (www.klivv.at) and the Department of Behavioural and Cognitive Biology at the University of Vienna (becogbio.univie.ac.at). As a result, the University Assistant (Post-Doc) can utilize the facilities of both institutions and collaborate with scientists from both establishments. The working language of the lab is English. For more information about the lab, please visit **https://fusanilab.org/**.

Required Education, Qualifications, and Skills
• PhD in Biology, Computational Biology, Data Science, or related disciplines
• Excellent track record with peer-reviewed publications demonstrating the application of computational tools to biological and/or behavioural data
• Strong programming and data analysis skills (Python/R)
• Proficiency in English language (oral and written at C1 level)
• Experience in teaching, mentoring, and/or supervising students

Additional Desired Qualifications and Competencies
• Background in behavioural sciences
• Successful acquisition of funding
• Experience in collaborations with international scientists
• Knowledge in biophysics, machine learning, and/or statistics
• Experience with open-source software development and version control
• Familiarity with phylogenetic/evolutionary analysis tools
• Experience with Computer Vision

The top candidates will be contacted for a video conference interview.

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 4,752.30 gross per month (based on full-time employment).

Applications
Applications should include a curriculum vitae, a letter of motivation, and a one-page sample of the applicant's work, such as a description of previous work or future research plans. We shall be happy to receive your application, quoting **reference number 2024/0057**, by e-mail to bewerbungen@vetmeduni.ac.at and in cc to leonida.fusani@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. Two academic advisor references are requested (e.g., from the supervisor of the bachelor's and doctoral thesis or from the post-doc supervisor). References should be sent directly by the academic advisors via email to bewerbungen@vetmeduni.ac.at and cc to leonida.fusani@vetmeduni.ac.at by **24.04.2024**. Advisors are kindly asked to indicate the job reference number 2024-0057 in the subject line.

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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https://www.vetmeduni.ac.at/en/konrad-lorenz-institute-of-ethology/about-us/our-team/scientists/fusani-leonida
https://fusanilab.org/