Antimicrobial Resistance and Microbial Genomics according to § 99 (1) Universities Act 2002

The Medical University of Innsbruck invites applicants for the position of a Full Professorship for

Antimicrobial Resistance and Microbial Genomics
according to § 99 (1) Universities Act 2002
at the Institute of Hygiene and Medical Microbiology

The Medical University of Innsbruck is actively seeking an accomplished and visionary data scientist with a focus on Antimicrobial Resistance and Microbial Genomics for the position of a Full Professor according to § 99 (1) Universities Act 2002, starting August 1st, 2024. The position is anchored at the Institute of Hygiene and Medical Microbiology. We offer a fulltime appointment, limited to a period of 5 years.

This exciting opportunity calls for an individual with demonstrated expertise in the specialized field of microbial genomics and bioinformatics.

Responsibilities:

- analyzing data from Next Generation Sequencing experiments and other "omics" applications, focusing on multi-drug resistant microbial genomes and transcriptomes
- characterizing microbial communities through metagenomic and meta-transcriptomic analyses, analyzing biological networks, and conducting comparative genome analyses as part of outbreak investigations
- developing and implementing genotyping strategies to characterize and understand the genetic basis of resistance
- contributing expertise in resistance epidemiology and data science to address emerging challenges
- addressing questions related to antimicrobial resistance with a comprehensive One Health approach
- developing and implementing bioinformatics pipelines for genomics, transcriptomics, and other "omics" applications
- implementation and enhancement of genome-based diagnostics for antimicrobial resistance (AMR)
- spearhead research and teaching initiatives in the epidemiology of multi-drug resistant pathogens
- collaborating with existing research groups at the institute, the Comprehensive Center for Infection, Immunity and Transplantation (CIIT), One Health Cluster Innsbruck, and Ignaz Semmelweis Institute (ISI)
- engaging in interdisciplinary projects and contribute to the university's commitment to scientific excellence
- strong publication record
- proof of successful and constant acquisition of competitive third-party funding

Qualifications:

- advanced degree (PhD) in Bioinformatics, Computational Biology, Data Science, or a related field
- demonstrated expertise in data analyses in the context of resistance-epidemiology and genotyping of multi-drug resistant pathogens
- international recognition in the field, with a proven record of accomplishment of high-impact research
- design and execution of research projects involving large-scale biological datasets
- excellence in teaching and mentoring students at both undergraduate and postgraduate levels
- active participation in relevant professional societies and conferences
- German language skills, minimum level B2 according to the European reference framework

The Medical University of Innsbruck aims to increase the proportion of women in executive positions and therefore explicitly encourages qualified female candidates to apply. In case of equivalent qualifications, preference will be given to female applicants.

Candidates with disabilities and/or chronical diseases are encouraged to apply as well.

Please submit your application in digital form to the Medical University of Innsbruck, using the mail address: berufungen@i-med.ac.at by **June 17th, 2024** at the latest (deadline, 24:00 CET).

Applications must be complete according the formal requirements (see: www.i-med.ac.at/berufungen).

Applicants are informed that the Medical University of Innsbruck will not compensate for any costs that emerge in course of the recruitment process of this position.