

To support our team we are looking for a motivated and committed

PhD

Optimization and improvement of microbiological and molecular diagnostics through the use of AI and ML

INSTITUTE OF HYGIENE AND MEDICAL MICROBIOLOGY

Employment 75 % from 1.4.2025 for 4 years

Your area of responsibility

- PhD in the field of hygiene and medical microbiology with a research focus on the application of AI and ML to improve microbial and molecular diagnostics, e.g. identification, typing, prediction of resistance and virulence/pathogenicity of various microorganisms
- Presentation of results at national and international conferences
- Writing publications
- Participation in projects
- Collaboration in the laboratory and laboratory organization

Prerequisite

- Completed relevant Master's/Magister/Diploma degree in microbiology, molecular biology, biochemistry or bioinformatics
- Willingness to participate in research, teaching

Desired

- Experience in microbiological diagnostics, genome analyses, programming and artificial intelligence
- Interest in scientific work
- Independent and self-responsible work
- Strong teamwork, communication and organizational skills

You can expect

Located in the centre of Tyrol, we offer the best conditions in an attractive location, a secure and long-term job, a value-oriented working environment, exciting and varied activities, the opportunity for professional and personal training as well as numerous (voluntary) additional company benefits.

The annual basic salary for this assignment is currently € 39.005,40 gross for a 30-hour week and may possibly be increased on the basis of the provisions of the collective agreement by other remuneration components associated with the special features of the job.

The writing of a dissertation is an essential part of this employment relationship.

Your application:

Please send your detailed application (in PDF format) until 9.4.2025 by stating the key figure MEDI-19871 by mail to:
bewerbung@i-med.ac.at

The Medical University of Innsbruck strives to increase the proportion of women among scientific and general university staff, especially in management positions, and therefore expressly encourages qualified women to apply. In the case of under-representation, priority will be given to women with the same qualifications.