PostDoc Position – Digital Cardiology Lab

We invite highly motivated candidates to apply for a full-time PostDoc position (40 hours per week) in the Digital Cardiology Lab (https://dlaskalab.i-med.ac.at) at the Medical University of Innsbruck. The research group is led by Prof. Clemens Dlaska and is affiliated with the University Clinic of Internal Medicine III – Cardiology and Angiology.

Working at the interface of technology and medicine we aim at exploiting the opportunities offered by digitally available patient data for cardiovascular health. As being part of a highly-interdisciplinary team of technological and medical domain experts PostDocs in our group will thus work on research directions including:

- Development of new artificial intelligence (AI)/machine learning (ML) methods to early detect and predict cardiovascular diseases from real-world, multimodal clinical data
- Identifying novel, e.g., AI/ML based, digital biomarkers
- Investigating and establishing novel data acquisition and curation strategies inside and outside the clinic (app development for mobile devices, novel data acquisition routines as part of clinical routine, etc.) and contributing to clinical trials

Your profile:
- PhD degree (or equivalent) in a relevant field such as computer science, AI/ML, physics, mathematics, bioinformatics, or data science with excellent demonstrated academic record
- Experience in development and application of state-of-the-art AI/ML methods, especially for multimodal medical data
- Experience in signal processing
- Motivation to collaborate with a highly-interdisciplinary team
- Ability to independently work on research tasks and motivation to collaboratively identify possible research paths and lead respective research projects
- Programming skills (e.g., python) and experience in working with high-performance computing infrastructure (e.g., slurm)
- Experience in using and developing AI/ML methods or being enthusiastic about learning AI/ML methods for medical applications
- Excellent verbal and written English skills
- Experience in tutoring PhD and Master students
- Willingness to support the group in administrative tasks and grant proposals

We offer:

- Interesting research projects at the forefront of a very timely and interdisciplinary research area
- Possibility to contribute to the full medical research pipeline from medical questions to technology development to clinical trials in a leading role
- Various post-graduate career development opportunities
- International collaborations with leading institutions
- Competitive salary according to the "Kollektivvertrag" at the Medical University of Innsbruck and numerous social benefits for employees
- Attractive campus and dynamic research environment embedded in a vibrant city

Application

Please send your application (pdf-format) to **bewerbung@i-med.ac.at** by **November 6th, 2024 (incoming)** mentioning **MEDI-19665** as indicated in the official call (https://www.i-med.ac.at/karriere/jobs/16102024/wissenschaftlich/MEDI-19665.html) by the Medical University of Innsbruck**.**

Your application should include a brief cover letter (max. one page), curriculum vitae, transcript of records (grades and certificates), and contact details of at least two referees.

For further information please contact clemens.dlaska@i-med.ac.at.