The German Heart Center of the Free State of Bavaria associated to the Technical University of Munich is a clinic with international reputation and a state of the art technical and medical equipment.

The Department of Cardiovascular Diseases is seeking a

Bioinformatics Scientist (m/f)
Multi-OMICs Data Analysis and Integration for Precision Medicine

Extend our German Heart Center research team and enhance the scientific knowledge in the field of Coronary Artery Disease (CAD) and Multi-OMICS-driven Precision Medicine. DigiMed Bayern is a Bavarian multi-million Euro project to improve digital health and enables our consortium of prestigious academic partner sites to develop a profound understanding of atherosclerosis - the main risk factor for myocardial infarction and stroke. We are looking forward to responsibly acting person willing to learn and adapt to a highly dynamic and agile research environment.

Major Tasks:

→ Multi-Omics data (Genomics, Transcriptomics, Proteomics, Metabolomics, Microbiome) analysis and integration with clinical data
→ Application of the existing bioinformatics tools, as well as the development and implementation of novel bioinformatics solutions and pipelines
→ Working in a Linux environment on a server cluster, using Bash scripting, as well as R, Python and or Java programming languages
→ You will work in an international, team-oriented, academically interconnected environment (we offer the opportunity to also learn from our partner sites)

Key requirements:

→ PhD in Bioinformatics, Biostatistics, Computational Biology, Systems Biology or similar, e.g. Master's degree/Diploma plus at least three years of professional experience
→ Strong data analysis skills and experience with omics and next-generation sequencing datasets (genomics, transcriptomics, proteomics, metabolomics and microbiome), as well as the relevant data analysis tools and pipelines
→ Experience in working in a Linux environment and knowledge of Bash scripting, R and Python is required
→ Previous knowledge and/or strong interest in human genetics and multi-OMICs driven precision medicine is highly appreciated
→ Strong bioinformatics and statistical knowledge and expertise is a prerequisite. Lab experience is a plus, at least some basic understanding is required
→ Ability to write and speak English well is a must, knowledge of German would be advantageous

Our offer:
We offer excellent possibilities for professional development and habilitation. The payment will be according to TV-L. The position is full time and initially limited to two years. Besides subsidized public transport we offer attractive sport programs, access to the water sports spot at lake Starnberg, use of our day care center and much more. The German Heart Center Munich promotes professional equality between women and men and provides the same employment opportunity for severely disabled people in case of equal qualifications.

Contacts:

→ Dr. von Scheidt, Department of Cardiovascular Diseases, telephone +49 89 1218 2849
→ Thomas Schmid, Head of Recruiting/HR, telephone +49 89 1218 1734

Please send us your application until January 31th, 2019 by E-Mail to: career@dhm.mhn.de

Interview expenses will not be reimbursed.

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