

PhD candidate (m/f) in Bioinformatics / Biomedical data analysis

Topic: Multi-omics data integration for studying the link between obesity, diabetes, and cardiovascular disease in large human cohort studies

Employer: University Medical Center of the Johannes Gutenberg University Mainz, Mainz, Germany

Your tasks:

- Investigation of molecular processes and markers of diabetes development and cardiovascular complications in relation to obesity
- Multi-dimensional and pathway-integrating analysis of multifaceted data (proteomics, transcriptomics, genomics, phenotypic/Clinical) from large population-based cohort studies and available bio-databases
- Detection and comparison of disease subtypes for the development of personalized medicine in prevention, prognosis, and treatment
- Application, evaluation, and development of state-of-the-art bioinformatics methods

Your profile:

- Master degree in Computational Biology, Bioinformatics, Systems Biology, Biomathematics, Epidemiology or a related area
- Strong interests in human biomedicine (cardiovascular diseases, diabetes, obesity) and multi-dimensional data analysis
- Programming experience in R, python, or similar programming languages
- Sound statistical knowledge and experience in handling bioinformatics databases and tools
- Good communication skills and fluency in English
- Structured and independent work attitude

We offer:

- An interesting research project at the forefront of computational biomedicine related to cardiometabolic diseases.
- A professional and cooperative work environment in a highly interdisciplinary research team
- A three year employment with salary according to the German public service salary scale TV-L E13, 65% (gross monthly salary of Euro 2,387 to Euro 2,649)
- A stimulating scientific environment with excellent facilities for professional and personal development
- Opportunities for child care (limited places available)
- Job ticket for public transport

For further information please contact Dr. Michael Lenz (mlenz@uni-mainz.de) or Prof. Dr. Philipp Wild (philipp.wild@unimedizin-mainz.de).

Did we catch your interest?

Please submit your application, including motivation letter, CV, two recommendation letters, and copies of your diploma(s) and transcripts (high-school, bachelor, master) by e-mail to mlenz@uni-mainz.de.