

The German Diabetes Center (DDZ), Leibniz Institute for Diabetes Research at the Heinrich Heine University (HHU) Düsseldorf is an interdisciplinary research institute that links basic and clinical sciences to improve prevention, diagnosis and therapy of Diabetes mellitus and its complications. The Paul Langerhans Group Computational Diabetology develops computational methods for the analysis of (multi-)omics data (genome, transcriptome, epigenome, proteome, metabolome) of DDZ associated cohort studies.

The BARIA is a longitudinal study of individuals undergoing bariatric surgery aiming towards a better understanding of obesity and associated cardiovascular dysfunctions. Next to clinical and metabolic variables, the study gathers comprehensive omics data from patient samples. For the integrated analysis of the various data modalities in this study, we are looking for a highly motivated and talented

Postdoctoral Researcher (f/m/d)

for a full-time (100%) TV-L E13 compensated position in the field of bioinformatics.

Your tasks

- Analyse comprehensive multiomics data sets of the BARIA cohort
- Develop new machine learning / AI methods for multiomics data analysis
- Contribute to writing scientific papers and grant applications

Your profile

- Doctoral degree/Ph.D. in bioinformatics/computational biology, or related areas
- Strong understanding of biological concepts
- Expertise in omics data analysis, algorithm development, machine learning / AI
- An analytical aptitude for devising innovative scientific or technical solutions
- Proficient in programming languages such as Python, Java, C/C++, Rust
- Excellent track record of scientific publications
- Excellent communication skills in English
- You are a team player and keen to collaborate with medical researchers, physicians and biologists to propel the project

Our Offer

- Support towards independent scientific work and scientific career development
- Association with competitive networks for training and mentoring including the German Center for Diabetes Research (dzd-ev.de)
- The position is awarded for 2 years starting at the next possible date, with the possibility of extension.
- Family-friendly working conditions and professional equality. Since May 2011, the DDZ has been certified by the "career and family audit". The provision of section §7 (1) of the Part-Time and Fixed-Term Act is taken into account.
- Salary is regulated by the collective agreement for the civil service of the state in the version valid for the state of North Rhine-Westphalia.
- Severely handicapped persons will be preferred in case of equal qualification.
- Women are given preference in case of equal qualifications.

For further information on the project, please contact Jun.-Prof. Dr. Daniel Dörr (daniel.doerr@ddz.de). Please submit your complete application (motivation letter, CV, certificates/records) with the reference code **PR-CD-25-3** via e-mail to personal@ddz.de. The registration and further processing of your application is carried out in the DDZ primarily by electronic data processing. The data protection regulations apply. By applying, the candidate agrees to this procedure.