The Institute of Epidemiology and Social Medicine at the University of Münster is offering a position at the earliest opportunity, limited to 3 years with the option of extension.

Postdoc (Bio-)Statistician (gn*) / Mathematician (gn*) / Bioinformatician (gn*)

Full-time
Salary according to TV-L E13
Job Id: 8712 – *gn=gender neutral

Your role:
We are seeking a (bio-)statistician/mathematician/bioinformatician to work in multinational, large-scale multi-omics projects aiming to identify molecular biomarkers predicting risk for brain diseases (such as Alzheimer’s, Parkinson’s disease, and amyotrophic lateral sclerosis). To this end, you will analyze genome (Illumina’s GSA array), genome-wide methylome (Illumina’s EPIC array), proteome (SomaScan), and transcriptome (RNA-Seq) data that have all been generated in the same ~6,000 individuals of the European Prospective Investigation on Cancer and Nutrition (EPIC) Study. You will implement and develop state-of-the-art scientific and statistical analysis techniques, in particular, those based on machine learning, to develop integrated, multi-omics disease prediction and classification scores and make use of the unique data resources available to our institute.

Your profile:
- Master’s degree (or higher) in (bio-)statistics, mathematics, bioinformatics, or degree in related fields
- Proficiency in R
- Experience working within an UNIX/Linux environment
- Strong background in bioinformatics and biostatistics, including analysis of high-throughput data in at least one omics area (genomics, epigenomics, transcriptomics, or proteomics)
- Skills in at least one area of expertise of statistical methodology including survival analysis, statistical genetics, and/or machine learning
- Strong writing and analytical skills
- Good communication and team skills and fluency in both spoken and written English

We offer:
- A dynamic work environment with flexible working hours in which you may work in a self-dependent, autonomous way
- Work on competitive, international "big data" omics projects applying state-of-the-art scientific, statistical, predictive, and data integration techniques
- Possibility to develop and pursue your own scientific ideas
- A motivated multidisciplinary international team that helps and supports you in your tasks
- The possibility to obtain a Ph.D. (i.e., Dr. rer. nat. or Dr. rer. medic.) degree or habilitation
- Support for your academic career

Contact:
If you have any questions about the position, please contact Prof. Dr. Christina Lill, T +49 (0)251 83-57101.
We are looking forward to receiving your application via our application form until 13.03.2024.
Due to legal requirements working with us is only permitted with complete vaccination against measles.

Applications of women are specifically invited. In the case of similar qualifications, competence, and specific achievements, women will be considered on preferential terms within the framework of the legal possibilities. Handicapped candidates with equivalent qualifications will be given preference.

The University Hospital of Münster is one of the leading hospitals in Germany. Such a position cannot be achieved by size and medical successes alone. The individual commitment counts above all. We need your commitment so that even with little things we can achieve great things for our patients. There are many possibilities open for you so that you may develop with them.