



Within the area of Population Health Sciences at the German Center for Neurodegenerative Diseases (DZNE) in **Bonn**, we are looking for a

Bioinformatician

To further strengthen our team, we aim to appoint a highly qualified scientist with experience in multi-omics research.

Your profile: Successful candidates have a PhD in computational biology, molecular biology, biostatistics, (bio)medical sciences or a related discipline. Extensive experience in bioinformatics and large-scale multi-omics projects, including genomics, epigenomics, transcriptomics or metabolomics is a prerequisite. For further requirements, please visit our web page or contact us via email through the address stated below.

Your tasks: You will play a key role in the development of the multi-omics platform of the Rhineland Study and in research projects involving 'omics' data. These projects will not be confined to local studies, but will also include close collaborations in various large international consortia. Responsibilities include: processing and analyzing our multi-scale omics data (including genotyping arrays, DNA/RNA sequencing and metabolomics data); data analysis and preparation of manuscripts for publication in peer-reviewed journals; maintaining contact with our internal and external academic and industrial partners.

About us: We study determinants and biomarkers of normal and pathological mental and physical health function over the adult life course. Specifically, we investigate the interplay between the genome and the exposome in determining health status. The research is led by **Prof. Monique M.B. Breteler** and is primarily based on data from the Rhineland Study. This prospective population-based cohort study will include more than 20,000 people aged 30 years and over, run for decades, and emphasizes deep phenotyping.

Besides detailed clinical data we collect extensive 'omics' information from all our participants, including genomic, epigenomic, transcriptomic, metabolomic, proteomic as well as microbiomic data. These multi-omics data are of critical importance to most of our ongoing as well as future research projects which aim to identify and understand the molecular and biochemical pathways that mediate the effects of various risk factors on brain structure and function.

We offer interesting and challenging work in a highly interdisciplinary and international scientific environment. Common language at work is English. We actively encourage and support our employees' personal development and growth. The PhD position will be integrated into the Bonn International Graduate School of Clinical and Population Science and further training in epidemiological, statistical and computational methods will be provided as needed. The position is initially limited to three years with the possibility of extension. Employment, payment and social benefits are determined by the Public Sector Collective Agreement (TVöD-Bund).

If interested, please send your application, including a motivation letter, a CV, transcripts, and two letters of recommendation or references, as a single PDF-file. Review of applications will begin immediately and continue until the position is filled.



web: www.dzne.de/en/jobs
job ID: 1714/2019/12
contact: population-research@dzne.de