



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

Experienced Researcher Integrative Multi-Omics

To further strengthen our team, we aim to appoint a highly qualified scientist with strong experience in omics research. The position is initially limited to two years with the possibility of tenure track extension.

Your profile: Candidates should have a PhD in computational biology, genomic epidemiology, biostatistics, (bio)medical sciences or a relevant discipline. Extensive experience in bioinformatics and large-scale multi-omics projects, incl. 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 be responsible for the management and further development of the multi-omics platform of the Rhineland Study, supported by a bioinformatician and a team of young scientists. Responsibilities include but are not limited to: processing and analyzing our multi-scale omics data (including genotyping arrays, DNA/RNA sequencing and metabolomics data); supervision of graduate students; preparation of manuscripts for publication in peer-reviewed journals; maintaining contact with our internal and external academic partners; preparation of grant applications, development of own research focus. Additionally, we expect you to actively contribute to the general conduct and further development of the Rhineland Study.

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. 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: 1715/2019/12
contact: population-research@dzne.de