

As part of its strategic planning, the University Medical Center Göttingen (UMG) is consistently advancing the development of its key research areas in Neurosciences, Cardiovascular Medicine, and Oncology with translational approaches. The UMG collaborates as a partner location of national health research centers such as the German Center for Cardiovascular Research (DZHK), the German Center for Neurodegenerative Diseases (DZNE), and the German Center for Pediatric and Adolescent Health (DZKJ). UMG is closely linked with the natural and life sciences institutions of the university, as well as with external research institutions at the Göttingen Campus. In the field of data science and informatics, UMG works closely with the Campus Institute Data Science (CIDAS) of the university and is part of the Lower Saxony Research Center for Artificial Intelligence and Causal Methods in Medicine (CAIMed). CAIMed connects research locations in Lower Saxony in the fields of AI methodology, data-intensive medicine, biomedical informatics, and basic medical research, creating a unique research network for AI and personalized medicine.

Within the Institute for Medical Bioinformatics at UMG, and as part of CAIMed, the following position is to be filled:

**University Professorship  
(f/m/d)**

**Integrative Bioinformatics  
(Salary Group W1 on a temporary basis, tenure track to W2)**

Starting on June 1st, 2025. The initial appointment will be for three years. Upon a successful interim evaluation, the employment will be extended for another three years. Transition to a permanent professorship (W2) without the need for a further job announcement is possible after a positive evaluation of the junior professorship in the fifth year.

CAIMed establishes 13 interdisciplinary junior research groups in the clusters "AI and Semantics", "AI and Decisions", "AI and Drugs", and "AI and Signals" to address current research and application questions.

The professorship involves establishing and leading a research group in the CAIMed cluster "AI and Semantics", focused on "Machine Learning for Exploration and Integration of Multi-Omics Data" at the Institute for Medical Bioinformatics, in close collaboration with the Department of Hematology and Medical Oncology.

**Your Responsibilities:**

- Establish and lead the junior research group "Machine Learning for Exploration and Integration of Multi-Omics Data"
- Develop and investigate AI approaches for molecular data with clinical partners
- Methodological development of analytical procedures for biomedical high-throughput data, such as machine learning methods and integrative data analysis
- Participate in university teaching and supervision of students

**Requirements:**

- Outstanding PhD in Bioinformatics, Computer Science, Statistics, Natural Sciences, or a related field with a strong focus on the quantitative analysis of biomedical data (Genomics, Epigenomics, Transcriptomics, Proteomics, Metabolomics)
- Solid research experience in Bioinformatics, Data Science, or a related field
- Experience with Omics or imaging data in Biomedicine
- Strong publication record
- Willingness to engage in interdisciplinary scientific collaboration
- Willingness and ability to competitively secure third-party funded research projects

This call is aimed at candidates in the early stages of their scientific careers who, after completing an outstanding PhD, are in the process of developing an independent scientific profile.

The eligibility requirements for junior professors are outlined in § 30 of the current version of the Lower Saxony Higher Education Act. UMG holds the right to make appointments.

Applications from scientists outside of Germany are explicitly encouraged.

UMG strives to increase the proportion of women in its workforce and therefore explicitly encourages qualified women to apply. Disabled persons will be given preference in the case of equivalent qualifications.

Please submit your application materials online by November 28, 2024, via the following link:

<http://go.umg.eu/berufungen>

If you have any questions, please contact us at [Berufungen@med.uni-goettingen.de](mailto:Berufungen@med.uni-goettingen.de).