

Department of Medical Bioinformatics

University Medical Center Göttingen

We are seeking a

Postdoctoral Researcher (f/m/d)

Full-time (100%) TV-L · initially 2 years (with option of extension)

About Us

The Department of Medical Bioinformatics at the University Medical Center Göttingen is a leading research group in the bioinformatic analysis of biomedical high-throughput data. Our work focuses on the development of biomarker signatures, statistical methods, and machine learning approaches for personalised and systems medicine.

We are embedded in multiple DFG- and BMBF-funded collaborative research projects, with a strong focus on the analysis of cancer omics data — including genomics, transcriptomics, and spatial transcriptomics — and the development of innovative AI and machine learning methods. We work in close collaboration with clinical and experimental partners in national and international research consortia.

Your Tasks

- Analysis and integration of cancer multi-omics datasets (transcriptomics, epigenomics, drug-response data)
- Development of machine learning and AI models for biomarker discovery and prediction of treatment response
- Application and further development of graph-based learning methods enriched with biological pathway and drug–target knowledge
- Benchmarking of novel models against existing computational approaches
- Interpretation of results in close collaboration with clinical and experimental consortium partners
- Independent management of bioinformatics sub-projects and contribution to project coordination
- Preparation and submission of scientific manuscripts and reports

Your Profile

- PhD in Bioinformatics, Computational Biology, Computer Science, or a closely related field
- Proven experience in machine learning or deep learning applied to biomedical data
- Strong programming skills in Python, R, or similar languages
- Expertise in the analysis of large-scale omics datasets (e.g. transcriptomics, methylomics, drug-response data)
- Experience with graph-based methods or network biology is an advantage
- Track record of scientific publications appropriate to career stage
- Ability to work independently and lead projects, while collaborating effectively in an interdisciplinary team

- Excellent written and spoken English; knowledge of German is advantageous

What We Offer

- A leading research environment at the intersection of AI, multi-omics, and translational cancer medicine
- Collaboration with national and international clinical and experimental partners
- Access to large-scale biomedical datasets and state-of-the-art computing infrastructure
- Salary according to TV-L (full-time, 100%) for an initial period of 3 years, with the possibility of extension
- Additional occupational pension scheme (VBL)
- Company health management programme and sports facilities
- Support for career development, conference attendance, and international networking
- A position in Göttingen — a vibrant university city with a rich scientific tradition

Diversity & Inclusion

The University Medical Center Göttingen is committed to professional equality for all genders and actively works to achieve gender balance across all areas. We warmly welcome applications from severely disabled persons, who will be given preferential consideration in the case of equal suitability in accordance with applicable regulations. Please indicate any disability or relevant status in your application to ensure your interests are protected.

How to Apply

Please submit your application (CV, cover letter, and relevant certificates) by 12.06.2026 via the following link:

<https://umg.recruiting-portal.com/r/z10iypob1b9umbp/Postdoctoral+Researcher+fmd/37075/G%C3%B6ttingen>

Please note that travel and application costs cannot be reimbursed.

We look forward to receiving your application!