

The Department of Medical Bioinformatics of the University Medical Center Göttingen is currently seeking for a

### **PhD student (f/m/d)**

- Duration: initially limited to two years with the option of extension,
- Part-time (65%)
- Compensation according to TV-L

Our institute is a leader in the bioinformatic analysis of genetic high-throughput data, particularly in the development of biomarker signatures and advanced approaches of machine learning for personalized and systems medicine.

A research focus of our institute is on the bioinformatic analysis of genomic high-throughput data from biomedical research projects and on the development of biomarker signatures and machine learning approaches in Personalised and Systems Medicine.

Within the BMBF-funded project PerMiCCion an interdisciplinary consortium, experts from the fields of colorectal cancer and nutritional epidemiology, molecular oncology, metagenomics and medical informatics are working together to develop microbiome-based strategies for primary, secondary and tertiary prevention of colorectal cancer in young adults. We pioneer the development of innovative computer-assisted methods in bioinformatics and artificial intelligence.

To support this project and our group we are looking for a PhD-student.

#### **Your tasks:**

- Bioinformatic identification and validation of gene signatures
- Master regulator analysis for common signalling pathways and upstream regulators in signalling cascades
- Support in data and project management of genomic data
- Use and development of machine learning approaches

#### **Your profile:**

- M.Sc. in computer science, bioinformatics, medical informatics, data science or comparable
- Good understanding of bio-medical basics
- Interest in working in an interdisciplinary team
- Very good knowledge of some programming languages, e.g. Python, Java, R or JavaScript
- enjoy working with complex models

- Fluent English, good German language skills are beneficial
- High motivation, ability to work in a team

**Our offer:**

- a structured, accompanied induction
- a diverse workplace in a multi-professional, interdisciplinary team
- Health and sports supported by an excellent company health management system
- salary according to TV-L (Full-Time (Postdoc) Parttime (65%) (PhD Position)) for 2 years (possibility for extension)
- as well as an additional pension scheme (VBL)
- a workplace in an attractive, dynamic and at the same time historic city

Our aim as the University Medical Center Göttingen is the professional equality of all genders. We strive to equalise the gender ratio in areas where there is an underrepresentation. The University Medical Center Göttingen is particularly committed to the professional participation of severely disabled people and therefore welcomes applications from severely disabled people. In the case of equal suitability, applications from severely disabled persons will be given preferential consideration in accordance with the relevant regulations. We kindly ask you to indicate a disability/equality in your letter of application in order to protect your interests. We kindly ask you to indicate any disability/equality in your letter of application in order to protect your interests.

**Application:**

Please submit your application by 07.07.2024.

We are looking forward to your application under the following Link: <https://umg.recruiting-portal.com/r/z02jnowudlt3qbw/PhD+student+fmd/37077/G%C3%B6ttingen>

Travel and application fees cannot be refunded or transferred.