

Goethe University Frankfurt am Main, with approximately 48,000 students and around 5,000 employees, is one of the largest universities in Germany. Founded by Frankfurt citizens in 1914 and re-established as a foundation in 2008, Goethe University is characterized by a high degree of autonomy, modernity, and academic diversity. As a comprehensive university, it offers over 150-degree programs across 16 departments at five locations. The university is renowned for its strong research and third-party funding and is closely linked to society through its scientists. Additionally, Goethe University is part of the Rhine-Main Universities (RMU) alliance.

At the **Institute for Computational Genomic Medicine** in the group of **Prof. Marcel Schulz** (<https://schulzlab.github.io>), a position is available as of **01.11.2024** for a

### **Research Associate PhD Student (m/f/d)**

**(E13 TV-G-U, 65%)**

initially limited to two years (§14 Abs. 1 TzBfG) with the option of extension. The limitation is based on the regulations of the German Act on Temporary Employment in Higher Education (Wissenschaftszeitvertragsgesetz) in conjunction with the Hessian Higher Education Act. The classification is based on the job characteristics of the collective agreement applicable to Goethe University (TV-G-U).

#### **Responsibilities:**

- Development of methods for the analysis of OMICs data (e.g., single cell and spatial transcriptomics)
- Testing and implementing various machine learning approaches for gene regulation analysis
- Participation in national and international collaborations in the field of cardiovascular research
- Publication in scientific conferences and journals
- Participation in national and international conferences

#### **Requirements:**

- Completed university degree (Master) in bioinformatics or computer science
- Good programming skills in C++, Rust, or a scripting language like Python
- Experience in applying machine learning methods is desirable
- Experience in analyzing NGS data is desirable
- Organizational and team skills, flexibility, openness, and communication skills
- Very good English skills

#### **We offer:**

- Structured training and supervision with the opportunity for independent planning and execution of experiments
- Interesting and relevant research projects
- A broad range of methods and diverse projects
- A varied and creative research environment with excellent facilities
- An attractive collective agreement (TV-G-U) and occupational pension provision
- The LandesTicket Hessen for free use of public transport in Hessen

We are looking for highly motivated, curious, and interactive candidates for our interdisciplinary team. In addition to excellent facilities, we offer outstanding training opportunities and a creative research environment.

### **Become part of our team!**

Take the opportunity and apply with your documents (CV, motivation letter, qualifications, and certificates) compiled into a single PDF document, including a possible start date, to Prof. Dr. Marcel Schulz

(preferably by email: [sekretariat-schulzlab@uni-frankfurt.de](mailto:sekretariat-schulzlab@uni-frankfurt.de)) or to the Institute for Computational Genomic Medicine, House 26, 4th Floor, Goethe University Frankfurt, Theodor-Stern-Kai 7, 60590 Frankfurt am Main. Please do not submit originals, as application documents cannot be returned. Travel and application costs cannot be reimbursed.

Goethe University aims to increase the proportion of women and therefore particularly encourages women to apply. Disabled persons with equal qualification will be given preference.

