TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Center for Molecular and Cellular Bioengineering (CMCB)** the **DRESDEN-*concept* Genome Center** at the, one of four DFG-funded German Competence Centers for next generation sequencing (NGSCC) is seeking to appoint a student as

student assistant (m/f/x) (up to 19h/week)

starting **as soon as possible** and limited until May 31, 2025 with the option of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG as well as the Higher Education Act in the Free State of Saxony - SächsHSG) in conjunction with the TdL guidelines (collective bargaining association for the German federal states) for Student Assistants and Research Assistants dated February 28, 2024.

The Deep Sequencing Core Facility is part of the DRESDEN-concept Genome Center (DcGC) and offers its services in the field of high-throughput sequencing and data analysis of sequencing data. This position is a challenging and exciting opportunity for applicants who would like to work at the interface between IT development and infrastructure in science.

Tasks: academic support, esp.

- development and improvement of existing bioinformatics pipelines with Snakemake or Nextflow, Python and R
- development of frontend applications (Shiny) in R & frontend and backend applications with Django
- support in the development of a REST API & the migration of IT services to the HPC systems of the TUD.

Requirements:

- enrolled student at a university (preferably in a degree program related to bioinformatics / computer science)
- application-ready knowledge in the conception of web-based user interfaces/user guidance and confident use of HTML/CSS
- ideally experience with Unix-based systems and languages/tools such as Python, R, MySQL (SQL + DDL), web services/REST, Git, Gitlab (CI/CD), testing
- open-mindedness and motivation to drive forward tasks, both independently and in a team
- good knowledge of English and German language.

TUD strives to employ more women in academia and research. We therefore strongly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be

equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application including letter of motivation and CV in English as well as certificates by **May 13, 2024** (stamped arrival date or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending a single pdf file quoting the **Job ID "SHK DcGC"** to **lisa.lehmann1@tu-dresden.de** or to: **TU Dresden, CMCB, DRESDEN-*concept* Genome Center, z. H. Lisa Lehmann, Tatzberg 47-49, 01307 Dresden, Germany.** Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.