Dresden University of Technology

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.

The **DRESDEN-concept Genome Center** at the **Center for Molecular and Cellular Bioengineering (CMCB)** offers a position as

Research Associate (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible**. The position is initially limited until December 31, 2027. However, there is a strong intention to pursue continued employment pending available funding. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification through implementation and development of novel NGS sequencing applications.

The DRESDEN-concept Genome Center (DcGC) is one of four selected DFG NGS Competence Centers in Germany (https://ngs-kn.de). Its primary technological focus is on implementing innovative methods for single-cell and spatial sequencing, as well as bulk short and long-read sequencing applications. With its broad technological portfolio, the DcGC provides the opportunity to gain comprehensive experience in a wide range of advanced NGS methods. As a shared campus infrastructure in Dresden, the DcGC offers outstanding technological resources and strong expertise in single-cell and spatial applications, *de novo* genome sequencing, and diverse short-read–based sequencing methods

Tasks: The successful candidate will be responsible for scientific research and teaching tasks, as well as for the development and implementation novel multimodal spatial and single-cell sequencing workflows at the DcGC. Working in close collaboration with the laboratory team, the candidate will perform and oversee experimental procedures to establish innovative methods in single-cell and spatial sequencing of tissue sections from various organs and species. In addition, the candidate will coordinate and support daily laboratory operations – including sample and library preparation as well as instrument handling - to ensure the timely delivery of high-quality services to DcGC cooperation partners. Further responsibilities include planning, performing, and analysing experimental work, alongside independently identifying and resolving technical issues. The role also involves thorough documentation of all experiments and results, as well as the creation, maintenance, and continuous improvement of Standard Operating Procedures (SOPs).

Requirements:

- a university and,if applicable, a PhD degree in life sciences (e.g. biochemistry, biotechnology, biology or related field)
- We are seeking an independent, organized, and creative professional capable of managing a complex and dynamic workload.
- Substantial experience and understanding of experimental work including planning, execution, analysis and troubleshooting of experiments, especially in the fields of issue sectioning, immunostaining and histochemistry is highly appreciated.
- Experience with NGS technologies and advanced knowledge of molecular biology techniques and strong skills in experiment documentation and the preparation of Standard operation principles (SOPs) are essential.
- We further value experience in microscopy, cell handling and FAC-sorting procedures.
- As the involvement and design of novel projects is part of the role, grant writing experience is appreciated.
- The job requires a strong ability to work in a team, excellent communication skills and a professional demeanour when dealing with internal and external partners.
- Fluency in written and spoken English (and to minor degree German) and the ability to work creatively and independently are highly desired.

We offer: A position in a leading research institute of the Excellence University TUD combined with a highly specialised working environment where you can implement your own ideas and work with an innovative interdisciplinary team. The position offers flexible working hours and a supportive atmosphere for professional growth.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university. 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 comprehensive application including letter of motivation and CV in English as well as certificates by **February 2, 2026** (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 it as a single pdf file to **lisa.lehmann1@tu-dresden.de** or to:

TU Dresden, CMCB, DRESDEN-*concept* Genome Center, 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.

TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept

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.