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), one of four DFG-funded German Competence Centers for next generation sequencing (NGSCC), offers a position as

**Technician / BTA / CTA (m/f/x)**
(subject to personal qualification employees are remunerated according to salary group E 9a TV-L)

starting **as soon as possible**. The position is limited until December 31, 2024 (time limitation pursuant to TzBfG). However, there is a strong intention to pursue continued employment pending available funding.

The position is part of the DRESDEN-concept Genome Center (DcGC), which is a joint sequencing center between the TU Dresden and the MPI-CBG. The DcGC offers a broad range of state-of-the-art genomic technologies to the scientific community. As a flagship core facility in Dresden, the DcGC has top-level infrastructure and strong expertise in single-cell applications, de novo genome sequencing, as well as many different short-read based sequencing applications. The latest addition to the DcGC portfolio is the expertise in spatial transcriptomics, a technology that will have a major impact on multi-omics studies and revolutionize our understanding of cells and tissues.

**Tasks:** You can expect an exciting and responsible job in our sequencing team. You will work with state-of-the-art procedures and methods in the field of spatial transcriptomics and next generation sequencing (NGS), which require you to independently perform complex molecular biological work. In close collaboration with histology experts, your tasks will include the in-situ hybridization of tissue sections, imaging and quality assessment, and further processing for the creation of NGS sequencing libraries. You will operate automated systems, contribute to method development and work on various workflows in the field of single-cell and spatial NGS applications. Your tasks will also include the careful documentation and evaluation of results as well as troubleshooting of experiments in close interaction with research scientists.

**Requirements:** completed vocational training as BTA, CTA or as a lab assistant with equal knowledge and experience. Very good knowledge of and extensive practical laboratory experience in cell and molecular biology is required. Experience in NGS, knowledge of in-situ hybridization techniques and basic microscopy are advantageous. Know-how in working with automated systems would be beneficial, but is not required. The careful documentation of experiments and assisting in overall laboratory organization is a basic requirement. Good communications skills and professional approach to internal and external partners are fundamental, as is the ability to work independently as well as in a team. Fluency in spoken and written English is desirable.
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 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 comprehensive application including letter of motivation and CV in English as well as relevant certificates by **March 12, 2024** (stamped arrival date of the or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending a single pdf file to **lisa.lehmann1@tu-dresden.de** or to: **TU Dresden, CMCB Technologieplattform, z. Hd. 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](https://tu-dresden.de/karriere/datenschutzhinweis)