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 Regenerative Therapies Dresden (CRTD), an institute of the Center for Molecular and Cellular Bioengineering (CMCB), the Chair of Cell Biology and Regeneration of β-Cells (Prof. Dr. Nikolay Ninov) is looking for a highly motivated and talented **Technical Assistant (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 9a TV-L)

expected to start on **March 1, 2024** as a maternity leave cover. The position is initially limited to June 14, 2024 for the duration of mandatory maternity leave and can be extended for the duration of the parental leave period (presumably 18 months).

The Research Center for Regenerative Therapies Dresden consists of more than 20 research groups working in the field of haematology, diabetes, neurodegenerative diseases and bone regeneration. The CRTD explores the capacity for regeneration of the human body and aims to develop novel regenerative therapies, e.g. with hematological stem cells. In order to be able to develop such therapies, the research institute explores mechanisms of stem cell physiology in vitro as well as in vivo using animal models such as mouse, axolotl and zebrafish.

**Tasks:**

1) **Support of research work**
   - Generation of new transgenic zebrafish lines with different fluorescent markers
   - Implementation and analysis of a drug screen
   - Embryo Preparations
   - Performance of in-situ hybridizations + antibody staining as standard method
   - Molecular biological techniques with DNA/RNA (cloning, RNA synthesis)
   - Support of scientists in animal experiments and their documentation at the CRTD.

2) **Production and maintenance of transgenic lines**
   - Generation of further mutant lines using the CRISPR/Cas9 technology
   - Conservation of transgenic fish lines (crossbreeding, identification)
   - Production of new transgenic lines (DNA injections)
   - Performance of experiments with transgenic fish lines
   - Documentation of the animal population.

3) **General laboratory organisation**
   - Management and organization of order lists, lists for antibodies, primers, and S1 documentation
   - Material or chemical supply (ordering, storage)
   - Coordination of laboratory specific processes and cleaning of laboratory materials
– Maintenance and adjustment of equipment and training of new users within the
– research project
– Compliance with sustainability standards (MyGreen Lab)

4) Work on livestock
– Zebrafish crossbreeds
– Keeping order and cleanliness in the fish room and coordination with animal keepers.

Requirements: Completed training as BTA or CTA with state recognition or as lab assistant with equivalent knowledge and practical skills as well as at least two years of professional experience. The qualified applicant should have some background in molecular biology and some laboratory experience, ideally with techniques in experimental animals, histology, microscopy, molecular biology and cell culture. The operating language of the institute is English. Therefore, an outgoing personality willing to communicate in English is essential. Being a team player with good computer skills and the flexibility to work varying hours is desirable.
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 by February 5, 2024 (stamped arrival date of the university central mail service or the time stamp on the email server applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf-file (using “surname_firstname.pdf”) to silvia.palme@tu-dresden.de or to: TU Dresden, CRTD, Professur für Zellbiologie und Regeneration von Betazellen, z. Hd. Frau Silvia Palme, Fetscherstr. 15, 01307 Dresden. 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.