Technische Universität Dresden (TUD), 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 Stem Cell Research with focus on cell-based approaches to regenerative biomedicine** (Prof. Dr. Michael Sieweke) is offering a project position as

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

starting **December 1, 2022**. The full-time position is funded by the Alexander von Humboldt Foundation and is initially limited until March 31, 2025 (according to TzBfG) with the option for extension. The compatibility of family and career has a high priority. Thereafter, there is in principle the possibility of an extension and partial termination. In principle, the position is also suitable for part-time employees. Please note this request in your application.

The CMCB is a Central Academic Unit and forms the administrative roof for the Biotechnology Center (BIOTEC), Center for Molecular Bioengineering (B CUBE) and Center for Regenerative Therapies Dresden (CRTD). The CRTD is one of the world's leading RegMed centres and forms the interface between basic research and clinical application. The aim of the CRTD is to investigate the body's self-healing potential and to develop completely new regenerative therapies for previously incurable diseases. The research focuses on the areas of haematology and immunology, diabetes, neurodegenerative diseases, bone and cartilage replacement as well as cardiovascular diseases. Research at the CRTD is supported by the joint technology platform of the CMCB (information on the joint technology platform is available at http://biotp.tu-dresden.de/biotechnology-platform/). The research goal of the chair is to gain new insights into self-renewal of immune cells and their role in regeneration and aging, and to develop cell therapeutic methods for regenerative medicine and cancer therapy. The group uses a broad spectrum of molecular, genetic, histological and imaging techniques in combination with in vivo and in vitro model systems.

Tasks: technical support for planning, execution and analysis of molecular and cell biology and immunology work; development and optimization of new protocols and techniques; including advising scientists on the use of these techniques and other methods, technical support of scientific staff in media/ buffer preparation, PCR genotyping, cloning; maintenance and cultivation of cell lines and primary cells; isolation of cells from tissue; support in genetic manipulation and analysis of cells by qPCR, Western blotting, ELISA, flow cytometry, immunofluorescence, microscopic analysis, FACS, etc.; documentation, analysis and presentation of experimental setups as well as results in English; instruction and supervision of group members in laboratory technologies and newly developed

methods; laboratory organization such as supervision, documentation and maintenance of laboratory equipment (e.g. calibrations, equipment repairs); stock-keeping and inventory management or procurement of chemicals, reagents and consumables; shipment of biological materials; maintenance of plasmid/ oligo databases; support in safety-related tasks within the scope of occupational safety; maintenance of safety records; analysis and documentation on research activities; documentation and up-dating of laboratory protocols

Requirements: completed training as BTA/ CTA or as lab assistant with equivalent knowledge and skills as well as several years of relevant work experience. Ideally, you already have experience in cell culture, molecular biology techniques and FACS analyses. Furthermore, you are willing to collaborate in animal experiments, bring a high degree of diligence and sense of responsibility as well as the ability to work independently. Due to the international orientation of the research team and the close collaboration with research groups from other institutes, very good English and German language skills in written and spoken, strong communication skills, high motivation, the ability to work in a team, good computer skills and flexibility to changing work hours are basic requirements for the position to be filled.

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 application including including a CV, statement of motivation, and the names of at least 2 academic referees by **November 1, 2022** (stamped arrival date applies), preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to **jeannette.hoppe@tu-dresden.de** or to: **TU Dresden, CRTD, Professur für Stammzellforschung mit dem Schwerpunkt Zellbasierte Ansätze in der regenerativen Biomedizin, Herrn Prof. Dr. Michael Sieweke, Fetscherstraße 105, 01307 Dresden**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.
