The Center for Regenerative Therapies Dresden (CRTD) is an institute of the Center for Molecular and Cellular Bioengineering (CMCB) and currently hosts over 20 research groups and more than 250 employees. Research at the CRTD focuses on regenerative and stem cell research ranging from basic research to application in a clinical-translational context. Researchers at the institute develop new approaches for diagnosis and therapy in the fields of haematology/immunology, diabetes, neurodegenerative diseases and bone and tissue regeneration. For TUD Dresden University of Technology 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 CRTD, the Chair of Stem Cell Research with focus on cell-based approaches to regenerative biomedicine (Prof. Dr. Michael Sieweke) offers a position as

**Research Technician / BTA / CTA (m/f/x)**

**Cell culture / Immunology / Cancer therapy**

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

starting as soon as possible and initially limited until September 30, 2024. A longer-term employment is expressly desired (time limitation pursuant to TzBfG). Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment with at least 75% of the full-time weekly hours. Please indicate the request in your application.

At the Chair for Stem Cell Research with a focus on cell-based approaches in regenerative biomedicine, the group of Alexander-von-Humboldt Prof. Dr. Michael Sieweke researches the role of immune cells in regeneration and ageing. We conduct cutting-edge research in macrophage biology and develop novel cellular therapies for use in cancer and regenerative medicine. We use a broad range of molecular, genetic, histological and imaging techniques in combination with in vivo and in vitro model systems. Our mission is to translate ground-breaking research results into effective therapies that can benefit patients as soon as possible. To accelerate this process, we are pursuing the spin-off of a start-up company, which is funded by the BMBF/GoBio-Initial programme. Within the framework of this project, we are looking for support for the step-by-step development and implementation of a macrophage-based therapy against solid tumours.

**Tasks:** You will play a crucial role in the development of new cell therapy products for cancer immunotherapy. Your tasks include the scaling, automation and optimisation of cell culture processes with modern equipment, as well as technical support in the planning, execution and analysis of cell biological as well as immunological work, development and optimisation of new protocols and application of techniques such as qPCR, ELISA, flow cytometry, immunofluorescence, etc. Documentation, evaluation and presentation of experimental procedures and research results in English.

**Requirements:** We are looking for a highly qualified and motivated research technician with experience in cell culture, immunological and possibly animal experimental work to join our research and development team.

- You have completed vocational training as a biological-technical assistant (BTA), chemical-technical assistant (CTA) or as biological/chemical laboratory technician with equivalent knowledge and experience and have several years of professional experience.
- You have very good knowledge and practical experience in sterile cell culture and the performance of immunological assays such as flow cytometry, ELISA and functional tests of immune cells.
You have a sound knowledge of English and enjoy constantly improving this knowledge due to the international nature of the working group and the institute.

You show a high degree of responsibility, independence and motivation.

Your open-minded nature makes you a valued team player who enjoys scientific and intercultural communication.

You have a keen interest in medical topics and applied research.

You have a good knowledge of common computer programs for documentation, evaluation and presentation of research results.

You enjoy and are actively interested in acquiring new knowledge and techniques.

Experience with iPS cell differentiation, in molecular biology techniques, and in performing animal experimental work are an additional plus.

What we offer:

- Work in an exciting research environment with medically relevant questions and projects
- Working on modern therapies that promise to have a significant impact on the lives of cancer patients
- Employment at an institute with state-of-the-art laboratory equipment and use of new technologies
- Implementation of own ideas and varied work in a friendly, international team
- Arrangement of flexible working hours, high understanding for compatibility of family and career
- Care for your children through partnerships with day-care centres (KiTa) in the immediate vicinity of the Institute
- Further education opportunities with individual planning of your professional career, e.g. through involvement in the Cluster4Future SaxoCell
- Use of the TU Dresden's university sports facilities and health services
- Provision for the time after your active career in the form of a company pension scheme
- Possibility of later taking on an important role in the start-up company that will emerge from our academic research.

Do not hesitate to contact us in advance. We will be happy to answer any questions you may have about the position informally and confidentially. To do so, please contact Ms. del Mestre at judith.del_mestre@tu-dresden.de.

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.

We look forward to receiving your informative application documents that show your expertise and, in particular, your personal motivation for the position. Please submit your application by **July 31, 2023** (stamped arrival date applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a **single** pdf file to judith.del_mestre@tu-dresden.de or to: TU Dresden, CRTD, z. Hd. Frau Judith del Mestre, Fetscherstr. 105, 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.