

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 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)**, the **Stem Cell Engineering Facility** offers a position as

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

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

starting **August 1 2024** with 97.5% of the full-time weekly hours. The position is initially limited to 24 months (time limitation pursuant to § 14 (2) TzBfG).

The Stem Cell Engineering Facility at the CRTD provides cutting-edge technologies and expertise for human and primate induced pluripotent stem cell (iPSC) research to internal and external customers. It offers a range of services including the generation and characterization of iPSC lines as well as the culture and banking of iPSCs. More information is available here: <https://tud.link/8lwq>. As technician, you will be joining a motivated international team working in a state-of-the-art research institute.

Tasks: your tasks will include the following:

- banking, maintenance, characterization and quality control of stem cells
- assistance in reprogramming of patient and donor samples to iPSCs
- genome engineering using CRISPR/Cas9 technology
- genotyping of iPSCs and preparation of Sanger Sequencing samples
- *In vitro* differentiation of human iPSCs to cardiomyocytes and derivatives of all three germ layers
- preparation of technical reports, summaries and quantitative analysis
- assisting in writing and revising technical documents including lab Standard Operating Procedures (SOPs) and protocols
- accurate and reliable documentation of experiments
- experimental troubleshooting
- communication with facility customers, giving advice and training
- maintaining a safe and clean working environment
- other lab organizational duties as required.

Requirements:

- completed vocational training as a biological-technical-assistant (BTA), chemical-technical-assistant (CTA) or as a biological/chemical laboratory technician with equivalent knowledge and experience
- hands-on experience in cell culture including expansion, characterization and cryopreservation of cell lines is required
- experience with following SOPs and required documentation
- knowledge of laboratory safety plans and procedures
- integrity, reliability and capacity for teamwork
- distinguished analytical, problem solving and process development skills

- good English communication skills
- excellent organizing, planning and scheduling abilities
- practical knowledge of human pluripotent stem cell culturing and *in vitro* differentiation is preferred.
- German language skills and experience with flow cytometry, immunocytochemical techniques, fluorescence microscopy and basic molecular biological techniques (e. g. cloning, transfection, PCRs and qRT-PCR) are highly desirable.

Pursuant to § 14 (2) TzBfG applicants should not have been employed by the Free State of Saxony. You will need to provide an appropriate statement with your application.

We offer:

- working in a state-of-the-art research facility in a collaborative, international environment
- implementing your own ideas while working with an innovative team
- flexible working hours
- use of child care facilities
- use of the sports facilities of the Dresden University Sports Centre
- use of a job ticket for public transportation in Dresden and surroundings
- providing for the future in the form of a company pension plan.

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 with the usual documents (including cover letter, CV, qualification records and references) by **May 31, 2024** (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 judith.del_mestre@tu-dresden.de or to: **TU Dresden, CRTD, Administration, 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>.