

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 **Center for Regenerative Therapies Dresden (CRTD)**, an institute of the Center for Molecular and Cellular Bioengineering (CMCB), the **Chair of iPS Cells and Neurodegenerative Diseases** (Prof. Dr. Jared Sternecker) 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)

starting **as soon as possible**. The project position comprises 75% of the full-time weekly hours and is limited to 24 months (time limitation pursuant to TzBfG).

### **Tasks: Characterizing mouse neurodegenerative disease models**

Amyotrophic lateral sclerosis (ALS) and frontotemporal dementia (FTD) are age-associated neurodegenerative diseases. We have imported two mouse models of ALS/FTD, and we aim to better characterize the mouse models, including by performing immunofluorescence on spinal cord sections to count motor neurons and assess neuroinflammation, ventral root to count axon number, neuromuscular junctions to assess denervation of skeletal muscle, and protein aggregation in motor neurons. These mice will be characterized for motor and cognitive behavior using assays available at our institute. Once established, these mouse models will be used to characterize the efficacy of novel therapeutics, including by AAV-based gene therapeutics aimed at reducing the expression levels of disease-causing mRNAs. Explicit tasks are e.g.: Mouse genotyping, Sample preparation and processing via cryosectioning, Immunofluorescence, Fluorescence microscopy, and assisting in overall laboratory organization.

**Requirements:** We aim at attracting the best talent and expect the following:

- completed vocational training as a biological-technical assistant (BTA), chemical-technical assistant (CTA) with several years of professional experience or as biological/chemical laboratory technician with equivalent knowledge and experience
- a FELASA certificate as well as a minimum of six months experience working with laboratory mice
- experience with immunohistochemistry and/or immunofluorescence is highly desired
- ability to work in an international team is essential
- inter- and multidisciplinary thinking
- high motivation
- an integrative and cooperative personality with excellent communication and social skills
- ability to orally communicate effectively in English
- German language ability for understanding administration and regulations regarding mouse handling

### **We offer:**

- a stimulating, world-leading research environment
- access to advanced research infrastructure and shared core facilities
- a vibrant and collaborative scientific community in Dresden and internationally

The successful candidate will be immersed in a very rich scientific environment at the Center for Molecular and Cellular Bioengineering (CMCB), part of the TUD encompassing the Center for Molecular Bioengineering (B CUBE), the Biotechnology Center (BIOTEC), and the Center for Regenerative Therapies Dresden (CRTD). The CMCB is closely linked and within walking distance of the German Center for Neurodegenerative Diseases (DZNE), the Medical Theoretical Center (MTZ), the University Hospital Carl Gustav Carus and the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG). The research on campus is highly interdisciplinary and addresses topics spanning cell biology, genomics, biophysics, tissue engineering, bioinformatics, and regeneration. We combine these approaches to bridge the gap between fundamental research and clinical therapies.

More information about our research group can be found here: <https://tud.link/vprn>.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The university is a family-friendly university. 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.

**Application:** Please submit your detailed application including

- Curriculum Vitae,
- cover letter describing both their research experience and research interests,
- list of relevant academic achievements or publications,
- university degree certificates and transcripts and
- contact information for at least two letters of recommendations

by **April 16, 2026** (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 [jana.fischer2@tu-dresden.de](mailto:jana.fischer2@tu-dresden.de) or to:

**TU Dresden, CRTD, Prof. Jared Sternecker, Fetscherstraße 105, 01307 Dresden, Germany.**

Please submit your detailed application with the usual documents:

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-  
concept alliance.

**DRESDEN**  
concept



---

**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>.