Technische Universität Dresden - CRTD, an institute of the Center for Molecular and Cellular Bioengineering (CMCB), Chair of Neural Development and Regeneration

TECHNISCHE UNIVERSITÄT DRESDEN

The Center for Regenerative Therapies Dresden (CRTD) at TUD Dresden University of Technology consists of 21 international research groups working in the field of regeneration across multiple organ systems and diseases, including central nervous system injury and neurodegenerative diseases, hematology, diabetes, and bone regeneration. We explore mechanisms of tissue repair and stem cell physiology in vivo and in vitro, using a variety of animal models (zebrafish, mouse, axolotl). 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.

Research Associate / Postdoc (m/f/x)

At the CRTD, an institute of the Center for Molecular and Cellular Bioengineering (CMCB), the Chair of Neural Development and Regeneration (Prof. Catherina G. Becker) offers a position as Research Associate / Postdoc (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting as soon as possible. Start date is negotiable. The position is funded by the Alexander-von-Humboldt Foundation and is initially limited to 18 months in the first instance. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). We will support the candidate to obtain their independent funding via international mobility fellowships.

City: Dresden; Starting date (earliest): At the earliest possible; Duration: initially limited to 18 months in the first instance; Remuneration: subject to personal qualification employees are remunerated according to salary group E 13 TV-L; Closing date: 18/06/25

Working field

We are looking for a research fellow to join our team who wants to build an independent profile in the field of CNS regeneration. We work on successful spinal cord regeneration in the zebrafish model (https://doi.org/10.1016/j.devcel.2015.01.001 and https://doi.org/10.1242/dev.199907) and have recently obtained high-quality single cell multiome data on the model, covering multiple ages and conditions (funded by the Alexander von Humboldt Foundation and the German Research Council). Together with the excellent optical and genetic accessibility of zebrafish, the fellow will be in an ideal position to rapidly interrogate and test this data. This will improve our fundamental understanding of why many vertebrates can regenerate their CNS (e.g. https://doi.org/10.1016/j.devcel.2021.04.031), and highlight mechanisms that are relevant to translational research (e.g 10.7150/thno.81332).

Requirements

a university and PhD degree in biology or related fields. Expertise in analyzing genomics

data, as well as designing and conducting wet lab experiments, preferably in the field of regeneration biology. Training with the experimental model, the zebrafish, can be provided.

Application

TUD and CRTD are home to one of Germany's leading sequencing facilities, other cutting-edge facilities (https://tu-dresden.de/cmcb/crtd/forschung-technologie/technologieplattform) and a lively zebrafish community (https://www.beckerzebrafish.net).

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. 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.

For informal enquiries contact catherina.becker@tu-dresden.de.

Please submit your detailed application including a CV, statement of motivation, and the names of at least 2 academic referees by June 18, 2025 (stamped arrival date of the university central mail service 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 eike.lau@tu-dresden.de or to: TU Dresden, CRTD, Professur für Neuronale Entwicklung und Regeneration, Frau Prof. Catherina G. Becker, Helmholtzstr. 10, 01069 Dresden, Germany. Please submit copies only, as your application will not be returned to you.

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.

More information at https://stellenticket.de/195031/LUH/
Offer visible until 18/06/25