The junior research group of Dr. Jared Sterneckert, “iPS Cells and Neurodegenerative Disease,” of the Center for Regenerative Therapies Dresden (CRTD), an institute of the Center for Molecular and Cellular Bioengineering (CMCB), is looking for a

Research Associate
(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

to begin as soon as possible. The position is initially limited until 31 December 2021 with an optional extension and entails 65% of the fulltime weekly hours. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification.

Dr. Sterneckert’s group uses patient specific induced pluripotent stem (iPS) cells to generate models of neurodegenerative diseases, including Parkinson’s disease (PD) and amyotrophic lateral sclerosis (ALS). Using a combination of gene editing, proteomics, and small molecules, we aim at understanding the mechanism(s) of pathogenesis and identifying novel treatments.

Position and qualifications:
The aim of this PhD project is to evaluate LRRK2 as a therapeutic target for Parkinson’s disease. Primary aims of the project include the generation of iPS cells, disease modelling, testing drug candidates, and identifying the mechanism of pathogenesis. This project is highly collaborative and will be performed in close cooperation with Prof. Thomas Gasser. It is sponsored by a grant from the Deutsche Forschungsgemeinschaft.

We seek highly motivated, ambitious, and talented scientists to join our enthusiastic and collaborative team in an outstanding scientific environment. We expect the following: an outstanding university degree (Master or equivalent) in Biology, Biomedicine or similar. Significant experience with cell culture is required. Experience with molecular/biochemical methods, including Western blotting, plasmid construction/preparation, and immunofluorescence are very strongly preferred. Experience with iPS cell culture and/or CRISPR/Cas9 mediated gene editing are helpful. In addition, applicants are required to have the ability to work in an international team; inter- and multidisciplinary thinking; high motivation; an integrative and cooperative personality with excellent communication and social skills; fluency in English – written and oral.

Applications from women are particularly welcome. The same applies to people with disabilities.

Research Environment:
The Center for Regenerative Therapies Dresden (CRTD) is a research institute and Cluster of Excellence at the Technische Universität Dresden, comprising 18 core research groups. Embracing these core groups is the CRTD Members network, an interdisciplinary organization of around 80 principal investigators located at other research institutes in Dresden including, the Carl Gustav Carus Faculty of Medicine and the Max Planck Institute of Molecular Cell Biology and Genetics.

Our mission is to understand the biology of stem cells and physiological and pathological tissue and organ repair in order to develop new treatments for neurodegenerative diseases, such as Alzheimer’s disease and Parkinson’s disease, haematological diseases, such as leukemia, metabolic diseases, such as diabetes, and bone diseases. Our scientists are encouraged to think outside of the box and to explore untapped areas of knowledge in the regenerative potential of the human body, and to apply this knowledge to prevent or reverse disease processes. To achieve our aims, we strongly support interdisciplinary research, with researchers from diverse
research institutes within the Dresden campus, with expertise ranging from the biology of cells and tissues to biomaterials to nanoengineering. CRTD has become a major driving force on campus and is ready to meet the challenges of moving new interventional strategies from bench to bedside.

Are you interested?
Your application as one single pdf document should include: 1. Cover letter, indicating current and future research interests and career goals; 2. Description of research experience and accomplishments, including summary of previous research done during your master thesis (max. 2 pages); 3. List of publications, if applicable; 4. CV, including copies of degree certificates and transcript of grades (i.e. the official list of coursework including your grades); 5. Two letters of recommendation or contact information for two references, including current supervisor.

Please submit your application by 09.04.2019 (stamped arrival date applies) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document (using “surname_firstname.pdf”) to ilka.drange@tu-dresden.de or via central mail service to the following address: TU Dresden, CRTD, Frau Ilka Drange, 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