



The Faculty of Medicine Carl Gustav Carus at the TU Dresden, working in cooperation with the Dresden site of the German Center for Neurodegenerative Diseases (DZNE), is planning to fill a

W2-level Professorship in the field of Stem Cell Models of Neurodegeneration and Plasticity

The German Center for Neurodegenerative Diseases (DZNE), with locations throughout Germany, pools scientific expertise in research in the field of neurodegeneration. A member institution of the Helmholtz Association, it has a total of nine research-strong sites, including locations in Bonn (home site, and administrative center), Berlin, Dresden, Göttingen, Magdeburg, Munich, Rostock/Greifswald, Tübingen and Witten.

The new professor will be expected to conduct basic research on cerebral plasticity, especially research focused on the generation of innovative in vitro and in vivo models via differentiation of embryonic and neural stem cells. Candidates must have expertise in use of iPS and ES cell technologies for generation of neural subtypes. We are especially interested in work aimed at the establishment of functional dopaminergic, glutamatergic and GABAergic neurons for the modelling of neurodegenerative diseases, especially Parkinson's disease, and for the development of new therapy strategies. In addition, the new professor would be expected to be able to interact effectively and productively with the site's existing research in the area of adult neurogenesis, by virtue of having conducted pertinent work of his or her own. Candidates are thus especially expected to have a profound knowledge of the area of cerebral cellular plasticity, and to have carried out work in that area with regard to neurodegenerative diseases and to molecular and genetic mechanisms of brain development and neural differentiation.

Candidates must also show a high level of readiness and willingness to cooperate actively with groups at the DZNE, at the Center for Regenerative Therapies (CRTD), at the Faculty of Medicine Carl Gustav Carus at the TU Dresden (http://tu-dresden.de/die_tu_dresden/fakultaeten/medizinische_fakultaet), within Collaborative Research Center (SFB) 655, "Cells into Tissues" (www.sfb655.de), at the Max Planck Institute of Molecular Cell Biology and Genetics (www.mpi-cbg.de) and at the Dresden International Graduate School of Biomedicine and Bioengineering (www.digs-bb.de).

The applicable employment prerequisites pursuant to Art. 58 of the Act Governing Academic Freedom in Higher Education in the Free State of Saxony (SächsHSFG) include a university degree in medical sciences, a doctoral degree, a habilitation – or equivalent outstanding record of research achievements – and teaching experience. Since the DZNE conducts translational research, and since it cooperates closely with a range of clinical working groups, applications are welcomed especially from applicants who have earned professional certification as a medical specialist (Facharzt) in neurology. In their academic teaching, candidates should be able to present the entire relevant research area in both German and English. In addition, an ideal candidate will have already earned an international reputation as a prominent researcher and will have gained experience in acquisition of third-party funding.

The Faculty of Medicine and the DZNE are seeking to increase the numbers of women working in science and higher education. We thus especially welcome applications from qualified female candidates. In addition, we expressly welcome applications from scientists with disabilities.

Further details about the materials to be submitted are available at the Website of the Faculty of Medicine Carl Gustav Carus at the TU Dresden, under "Jobs" (Stellenanzeigen). Please direct additional questions to the dean's office of the Faculty of Medicine.

Applications should be submitted both as one PDF file and in written form. They should include a CV, a list of publications, a list of the candidate's 5 most important publications, a description of the candidate's research work to date, a description of the candidate's planned future research, a list of acquired third-party funding, a description of the candidate's teaching experience and concept for future teaching activities (max. of 5 pages) and contact data for three references. Applications should be submitted **by 11 September 2015** to the

**German Center for Neurodegenerative Diseases (DZNE)
Human Resources Department
Holbeinstraße 13-15
53175 Bonn**

E-mail contact: application@dzne.de

The DZNE and the TU Dresden expressly support the aim of building a "family-friendly university," and the TU Dresden offers a Dual Career Program. Both the DZNE and the Faculty of Medicine actively assist staff in obtaining child care, and they actively support life partners in finding suitable employment within the region. The Dresden region offers a high standard of living, with a combination of cultural, recreational and education opportunities that many consider to be unparalleled throughout Europe.