

University Medicine Rostock (www.med.uni-rostock.de) is the maximum care hospital in the region of Rostock, a high potential growth region.

The **Albrecht-Kossel-section for translational Neurodegeneration at the Department of Neurology will be newly founded on the 01.01.2019** and is investigating the mechanism of physiological and pathological aging as well as the pathophysiology of neurodegeneration. Aiming for the translation of innovative therapies into the clinical neurology, the main focus of the group is the application of human cell models of pathological aging (progeria infantilis and adultorum, down-syndrome), of adult neurodegeneration (ALS/FTD) and of juvenile neurodegeneration (chorea-acanthocytosis, Niemann pick type C, NCL). We want to combine the strategies of reducing pathological aging on the one side and the specific therapy of neurodegeneration on the other side. We are currently looking for a

PhD student (m/f/div)

to start as soon as possible (01.01.2019), initially limited to 3 years as a full time position (39h/ week) paid according to TV-UMN.

Your tasks and perspective

The main focus of the PhD project concerns protein homeostasis in pathophysiology of motor neuron disease. Using iPSC disease modeling and broad range of molecular biology tools, including cutting edge live cell imaging techniques, you will investigate impact of protein homeostasis imbalance on disease development and progression.

Requirements:

The successful candidate should have a Master or equivalent degree in biological sciences and should be proficient in molecular and cell biology techniques such as human cell culture, PCR, molecular cloning, transfection, lentiviral vectors, CRISPR/Cas system, western blot, immunofluorescence, live cell imaging and disease modeling with iPSC. Previous experience in the field of neuroscience is desirable. Publications in international peer reviewed journals and active participation in conferences are advantageous. Written and spoken English language proficiency, knowledge of Word, Excel, PowerPoint, Fiji and biomedical statistics are mandatory.

What we offer:

Spatial, technical and personal prerequisites for innovative research using cutting edge techniques within a motivated and cooperative group, which is well connected with local, national and international groups and clinicians. Possibilities to participate in further education courses, scientific meetings and habilitation are explicitly supported.

Please send your complete application with the above mentioned reference number until **31.10.2018** to **Universitätsmedizin Rostock, Personalabteilung, Postfach 10 08 88, 18055 Rostock, Germany** or by e-mail as a single PDF to bewerbung@med.uni-rostock.de.

For further information please contact:

Prof. Dr. Dr. Andreas Hermann (new head of the section from 1.1.2019);
andreas.hermann@ukdd.de; current homepage www.als-dd.de

Severely challenged persons will be, in line with the legal regulations, when similarly suited, treated preferentially. The application costs cannot be defrayed according to the applicable law of the state of Mecklenburg-Vorpommern.