

The **Institute of Physiology** at RWTH Aachen University has an opening for a

PhD student (m/w/d) Neuroscience

The position is a part-time position (65% h/w) and the successful candidate will have the opportunity to pursue a doctoral degree. The salary corresponds to level 13 TV-L and is project-related offered on a temporary contract for three years. The start date for the position is as soon as possible. The successful candidate will have the opportunity to pursue a doctoral degree.

The project

Neuronal transduction and signaling processes are essential for our nervous system. Yet, their evolution is not well known. The aim of this project, which is funded by the German-Israeli Foundation for Scientific Research and Development (GIF), is to analyze the function of a class of diverse ion channels in the sea anemone *Nematostella vectensis*, a model organism with completely sequenced genome. Using state-of-the-art genetic, molecular and functional techniques, this work will be pursued in close collaboration with the group of Yehu Moran at Hebrew University, Israel. You will use different electrophysiological methods, in particular two-electrode voltage clamp, to functionally characterize the ion channels. You will be part of a highly motivated, multi-disciplinary, international team working on this project.

More information can be found on our homepage (<https://www.ukaachen.de/kliniken-institute/institut-fuer-physiologie/forschung/ag-gruender.html>).

Your profile

- You have a MSc degree (or equivalent) in biology, biochemistry or a related subject
- You have a strong interest in ion channel research and in molecular mechanisms of neuronal processes
- You have practical experience in basic lab techniques, e.g. molecular biology. Experience in electrophysiology, ideally with two-electrode voltage clamp, will be appreciated
- You are highly motivated, engaged and excited to work alongside an international team
- You are proficient in spoken and written English

The RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

Please direct inquiries and your application (code-no: **GB-P-15864**) (CV, copies of your university degrees, including detailed marks and certificates, the names of 2 referees as well as a cover letter) until 18.03.2019 to Prof. Stefan Gründer (sgruender@ukaachen.de; Institute of Physiology, Medical School, RWTH Aachen University, Pauwelsstraße 30, D-52074 Aachen, Germany).