PhD student position available at the University of Tübingen – Hertie Institute for Clinical Brain Research

Mechanisms of KCNA2-mediated epilepsies during brain development

We are looking for a motivated and highly skilled PhD (TV-L 13, 65%) candidate for the newly funded DFG Research Unit 2715 “Epileptogenesis of genetic epilepsies”. We offer a position for 3 years, starting as soon as possible.

Our research groups have a long-standing experience in studying genetic and pathophysiological mechanisms underlying neuronal hyperexcitability and network dysfunction. We identified and functionally characterized several new epilepsy genes on the single cell and network level (e.g. Schubert et al. Nat Genet 2014; Syrbe, Hedrich et al. Nat Genet 2015; Hedrich et al. J Neurosci 2014; Wolf et al. Brain 2017).

The Project:
The newly established Research Unit focuses on the mechanisms underlying epileptogenesis in genetic epilepsy syndromes. With the project, we seek to unravel specific mechanisms of epileptogenesis during brain development using in utero electroporated animals and knock-in mouse models. We will utilize a variety of techniques including molecular biology, single cell and network electrophysiology and EEG -recordings.

Requirements:
We are looking for a highly motivated and qualified researcher interested in the mechanisms of genetic epilepsies. The position requires a Master in Biology / Medicine or a related discipline (e.g. molecular biology, molecular medicine, physics), ideally with a focus on neuroscience. Skills in molecular biology, electrophysiology (patch clamp, EEG recordings) or calcium imaging are highly encouraged. More details can be found under https://www.hih-tuebingen.de/forschung/neurologie-mit-schwerpunkt-epileptologie/.

Women and people with disabilities are given preference for the same suitability.

How to apply:
The position will be open until we find appropriate candidates. Please send your application including a letter of motivation, CV, list of publications, copies of certificates and the names of at least two references as a single pdf file to:

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We offer remuneration in accordance with TV-L (collective wage agreement for the Public Service of the German Federal States) in addition to all the customary benefits granted to employees working in Public Services. Severely handicapped persons with equal qualifications are given preferential consideration. The University of Tübingen is anxious to increase its quota of female scientific staff, and therefore emphatically requests women to apply for this position. The Administration of the University Hospital is responsible for all employment matters. Personnel appointments will be made pursuant to the fundamental stipulations of the legal statutes for universities in Germany. Interview expenses are not covered.