

The Institute of Neuro and Sensory Physiology at Heinrich-Heine-University in Düsseldorf aims to fill a PhD student position within the Research Unit FOR 2795 "Synapses under Stress". The position is available for 3 years starting January 2019 or later (salary grade 65% TV-L E13).

### **PhD student position in Neurophysiology**

Our research project "**Life cycle of AMPA receptors under acute metabolic stress**" investigates the postsynaptic signaling of AMPARs in response to inhibition of cellular metabolism. We will apply a multidisciplinary approach combining biochemical, cell and molecular biological techniques in order to unravel the mechanisms underlying re-organization of postsynaptic AMPAR complexes and the functional consequences for the postsynaptic neuron in the early phase of metabolic stress.

#### **Your profile**

For our team we are looking for a highly motivated and science-driven person with a recent masters degree in biology or related areas (e.g. neurobiology, biomedicine, biochemistry). We are specifically looking for candidates with a strong background in neurobiology and solid hands-on experience in primary neuron culture, biochemistry or molecular biology. The successful candidate has excellent problem-solving skills, organizational and interpersonal skills and a strong ambition to develop into an independent scientist.

#### **We offer**

We are a young and motivated team in an excellent scientific environment with access to state-of-the-art equipment and facilities. We are committed to mentorship and targeted career development.

The contract will be concluded with Heinrich Heine University Düsseldorf.

Female candidates are encouraged to apply; they will be given preference in cases of equal aptitude, ability, and professional achievements unless there are exceptional reasons for choosing another applicant.

Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Legal Code (SGB – Soziales Gesetzbuch) are encouraged. Disabled applicants will be given preferential consideration in the case of equal aptitude.

For administrative reasons, we cannot return applications. In submitting your application, you give your consent to the remaining of the application documents at the university hospital Düsseldorf.

Please send your application including a motivation letter, a CV, transcripts and the names of two referees in a single PDF file within 2 weeks of publication of this announcement to

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