

The **Institute of Cellular Neurosciences (IZN)** at the University of Bonn, Germany, invites applications for a

### **Postdoc (*wissenschaftlicher Mitarbeiter*)**

A neuroscience postdoc position in the field of neuron-glia interactions is available in the laboratory of Prof. Dr. C. Henneberger. The three year position is part of a project investigating novel structural aspects of neuron-glia interaction and their contribution to the pathophysiology of epilepsy. The successful applicant will study the role of astrocytes, a subtype of glia, their morphology and their rapid structural changes for synaptic transmission, its plasticity and pathophysiology in the rodent hippocampus.

This will be achieved by combining two-photon excitation fluorescence microscopy to image astrocytes and electrophysiology to record astrocyte and neuronal activity in acute hippocampal slices and in vivo. Therefore applicants would ideally have some previous experience in electrophysiology, imaging and/or in vivo work. Applicants should have a PhD or equivalent doctoral degree.

The prospective postdoc will work closely with other groups within and beyond the IZN and will benefit from the substantial local expertise in studying neuron-glia interactions and extensive local and international collaborations (e.g. within the SPP1757 <http://www.glia-network.de/>, the SFB1089 <http://sfb1089.de/> and the EU-GliaPhD <http://www.eu-gliaphd.eu/>). The dynamic neuroscience community of Bonn which comprises more than 40 groups focusing on fundamental neuroscience research and its application in the treatment of neurological disorders will provide further excellent opportunities for postdoctoral training.

Further information can be found at: <https://henneberger-lab.com/>

The position is available from the 1<sup>st</sup> of January 2018 on. The contract runs for three years. Application should be submitted before the 1<sup>st</sup> of November 2017.

Salary will be according to the German salary scale TV-L E13. The University of Bonn is an equal opportunities employer.

Applicants are expected to submit a cover letter, CV, list of publications, and indicate at least two referees.

Applications should be sent by email only to:

Christian Henneberger  
(christian.henneberger@uni-bonn.de)