

Open position

Senior Postdoc in Neurobiology

available at the AG Functional Neurobiology at Johannes Gutenberg University Mainz

The post is available from 01.03.2022 (full-time).

A postdoc position is available in the Research Group “Functional Neurobiology” led by Martin Heine (marthein@uni-mainz.de) at the IDN (Biozentrum I) Mainz, Germany. In our group, we focus primarily on the impact of the membrane dynamic of effector molecules within the synapses, such as voltage-gated calcium channels and adhesion molecules and their impact on the formation, maintenance and plasticity of synapses in neuronal networks in health and disease.

We are looking for an enthusiastic scientist interested in the structural and functional organization of central synapses and neuronal networks. The successful candidate will have the opportunity to develop own projects and/or participate in the main projects of the group, as documented in recent publications (Heck et al., Neuron 2019; Heine & Holcman, TINS 2020; Bikbaev et al., J Neurosci 2020; Krick et al., PNAS 2021; Klatt et al., Cell Reports 2021).

What we expect from you:

- doctoral degree in Neuroscience or Molecular Biology
- expertise in tagging and mutagenesis of calcium-conducting and sensing molecules
- expertise in imaging methods and image analysis and/or electrophysiology
- good command in English and excellent writing skills

What we offer:

- a three-year full-time employment (EG13 TV-L) with a possibility of extension up to six years
- state-of-the-art super-resolution and localization microscopy (TIRF, STED, STORM) in combination with functional analysis (functional imaging (Glutamate/calcium)) and a variety of electrophysiological techniques (patch-clamp, multi electrode arrays)
- a very active neuroscience community within the Rhine-Main region (see <https://www.ftn.uni-mainz.de/>, <http://www.rmn2.de/>)

Please send your CV, a cover letter with a detailed description of your research interests and two letters of reference to: marthein@uni-mainz.de.

The University of Mainz has a strong focus on fundamental and applied neuroscience research.

Disabled applicants with matching qualification and experience will be given a preference.

The University of Mainz strives to increase the proportion of women and therefore urges women to apply.