

JOHANNES GUTENBERG UNIVERSITÄT MAINZ

JG|U

iDN
Institute of Developmental Biology and Neurobiology

Postdoctoral Position in Sensory Neurophysiology

We are recruiting a postdoctoral researcher to investigate synaptic mechanisms underlying plasticity in sensory coding in *Drosophila*. We are interested in understanding how recurrent inhibition interacts with presynaptic mechanisms to regulate activity-dependent vesicle release. The project combines *in vivo* calcium imaging, electrophysiology, and neuroanatomy to uncover how presynaptic modulation maintains stable odor representations in chanign environments.

We are seeking a motivated candidate with a strong background in experimental neurophysiology (two-photon imaging and/or patch-clamp electrophysiology) and an interest in sensory coding and computational neuroscience.

Location: iDN, Johannes Gutenberg University Mainz, Germany
Start date: available immediately, negotiable
Contract duration: 3 years
Salary: TV-L E13

Requirements

- PhD in Biology, Neuroscience or a related field.
- Strong background in neurophysiology
- Prior experience in *Drosophila* genetics, *Drosophila* neuroanatomy and computational neuroscience is an advantage.

Application Process

If you are interested, please send a single PDF containing a letter of motivation, your CV and the contact information for two referees.

Applications should be sent to cmartell@uni-mainz.de.

For further information, please feel free to contact us:

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