



The Department of Molecular and Translational Neuroscience (Inst. Anatomy II) offers a doctoral position and is looking for an enthusiastic

Research Assistant (f/m/d) (PhD position 65% 13 TV-L)

The scientific work deals with the role of synaptic lipids in motor control and is promoted by the CRC 1451 "Key Mechanisms of Motor Control in Health and Disease".

Our work is translationally oriented and uses cell-type-specific Ko mouse lines, which we analyze using a wide range of methods: confocal fluorescence microscopy (STED), molecular and cell biological methods as well as electrophysiology and motor behavior analyses.

- You bring great enthusiasm for translational research
- You have completed a degree in natural sciences with a focus on neuroscience
- You have practical experience in the field of cellular neuroscience and/or in the field of electrophysiology and behavioral analysis (Felasa B)

Our group:

We investigate the function of bioactive lipids in the CNS in regulating the excitability of cortical networks. Using molecular biological and electrophysiological methods as well as in animal experiments, we were able to show that bioactive lipids modulate the axonal cytoskeleton (**Neuron 2016; Cereb Cortex 2017**) and control the glutamatergic transmission of cortical synapses in the adult brain and thus regulate the excitability of the cortical network (**Cell 2009; EMBO Mol Med 2016; Dev Cell 2016; Mol Psychiatry 2018**). These mechanisms play an important role in signal processing in the context of psychiatric disorders as well as in motor control (**Mol. Psychiatry 2018; Cell Mol Life Sci. 2021**). The aim of this work is to investigate the role of synaptic lipids, which are subject to metabolic regulation, in the control/modulation of locomotion (e.g., in the cortical-basal ganglia loops).

For further information, see our [homepage](#).

We offer:

- Versatile and varied work with very good working conditions, state-of-the-art molecular, cell biological and animal experimental techniques in a pleasant working atmosphere
- Diverse opportunities for professional development through further education and training

How to apply:

Please send your application including cover letter, CV and transcripts as a single pdf file via [email](#).

Contact:

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