



PhD student (f/m/x) - Neurobiology

The Institute for Microscopic Anatomy and Neurobiology, University Medical Center of the Johannes Gutenberg-University Mainz, is looking for a PhD student.

We are an interdisciplinary and international team of scientists with a strong focus on translational biomedical research. The research group of Professor Sven Schumann is interested in the influence of sex differences in the brain on neuronal plasticity and the pathogeneses of neuropsychiatric disorders (e.g. autism spectrum disorders).

Your tasks:

Using both *in vitro* (primary neuronal cell culture, acute brain slices, cerebral organoids) and *in vivo* (knockout mice models, behavioural studies) approaches the candidate should analyse the functional role of sex specific expressed proteins in the brain (Distler and Schumann *et al.* Cells 2020. doi: 10.3390/cells9020313). State-of-the-art imaging techniques are routinely used in our lab.

Your profile:

We are looking for highly motivated, creative and reliable applicants with an excellent master's degree in natural sciences. A strong background in neurobiology and practical experience the techniques mentioned above would be a plus. The willingness to perform animal experiments is mandatory for this project. Fluently spoken and written English is obligatory.

The successful candidate will be enrolled in the Mainz Research School of Translational Biomedicine (TransMed, <https://www.unimedizin-mainz.de/transmed/home.html>).

For further information, please contact Professor Schumann (sven.schumann@uni-mainz.de).

Interested candidates should send their applications including a CV, a letter of motivation and the names and contact information of two references electronically in a single pdf document to Professor Schumann (sven.schumann@uni-mainz.de). The position is available as soon as possible. Applications must be received no later than May 15th, 2020.