

PhD student (f/m) – Neuroscience - (FTN Stipend)

For the research group of the Institute of Pathophysiology, headed by **Prof. Dr. Jakob von Engelhardt**, we are looking for a **PhD student**.

Our group investigates the physiology and the molecular basis of neuronal communication. In a new project, we will study the neuronal dysfunctions underlying the juvenile Neuronal Ceroid-Lipofuscinosis (JNCL, aka Batten disease). The Batten disease is a severe, recessive neurodegenerative disease affecting young children leading to visual deterioration, cognitive decline, seizures, motor deficits and death in the third to fourth decade of life. We plan to analyze a knockout mouse line with various state-of-the-art techniques including *in vitro* and *in vivo* electrophysiology, molecular biology, protein biochemistry and microscopy.

The project is funded by the **NCL-Stiftung** and the candidate will receive a **FTN-scholarship** and will be enrolled in the **Mainz Research School of Translational Biomedicine (TransMed)**.

The lab offers an excellent infrastructure in a unique research environment in Mainz. This includes opportunities for collaborations with research groups of the Focus Program Translational Neurosciences (FTN) of the Johannes Gutenberg University Mainz and the Rhine-Main Neuroscience Networks (rmn2).

The candidate should hold a master's degree in natural sciences. A strong background in neuroscience would be a plus.

For further information, please contact [Prof. Dr. Jakob von Engelhardt](#)

The position will begin as soon as possible and lasts for a three-year period with the possibility of extension.

The Johannes Gutenberg University Mainz seeks to increase the number of female personnel in those areas where they are underrepresented and therefore explicitly encourages women to apply. The Johannes Gutenberg University Mainz is committed to employing disabled individuals and especially encourages them to apply.

Interested candidates should send their applications including a CV, a letter stating research interests and the names and contact information of two references to: [Prof. Dr. Jakob von Engelhardt \(Engelhardt@uni-mainz.de\)](#)