

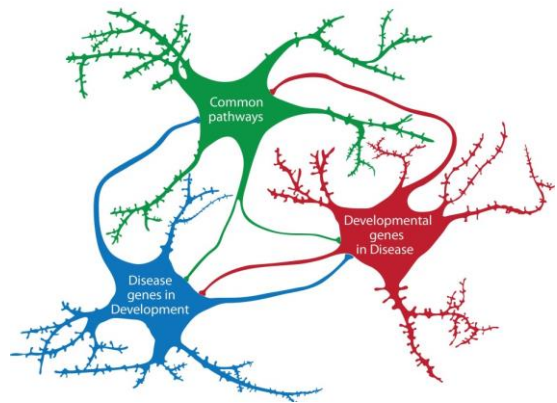
Ph.D. student position in Neuroscience

offered by

RTG 2162

“Neurodevelopment and CNS vulnerability”

in Erlangen-Nürnberg, Germany



A PhD position is available in the laboratory of Dr. Ruth Beckervordersandforth at the Institute of Biochemistry, FAU Erlangen.

Our laboratory is interested in the cellular and molecular mechanisms underlying plasticity of the mammalian brain, with a specific focus on astrocytes. We want to tackle the novel concept that **morphologically and functionally distinct astrocyte subtypes modulate plasticity in the adult mammalian hippocampus by regulating the process of adult neurogenesis on several levels**. The project will investigate whether the expression of the autism- and schizophrenia linked gene by astrocytes is involved in the regulation of functional integration of adult-generated neurons. This collaborative project combines the knowledge and techniques on neurogenesis, hippocampal astrocyte diversity and function with a functional readout for neuronal maturation by electrophysiology. The project will be carried out in close collaboration with the research groups of Prof. Lie (Institute of Biochemistry) and Prof. Alzheimer (Institute of Physiology and Pathophysiology).

We are looking for a highly motivated student with an excellent Diploma/Master degree in Molecular Medicine, Biology or related fields. Candidates should have a strong background in Neurobiology, Physiology or Developmental Biology.

The doctoral researcher will be part of the DFG-Research Training Group 2162 “Neurodevelopment and CNS Vulnerability” at the Friedrich-Alexander Universität Erlangen-Nürnberg, Germany, which offers a structured, international PhD program in basic and translational neurobiology.

For more information on the open positions, please visit: www.grk2162.med.fau.de

How to Apply

A) Please submit as a single pdf file:

- (1) Letter of motivation
- (2) Curriculum vitae
- (3) Transcript of Records
- (4) Summary of Research Experience and Master Project
- (5) List of publications

B) Two letters of reference:

to be sent directly by the referees to:

grk2162@fau.de; Subject: GRK2162-PhDstudent/YOUR NAME

Please submit applications via email to grk2162@fau.de

Application closing date is November 30th 2020.

Start date: PhD projects start in late winter/spring 2021.