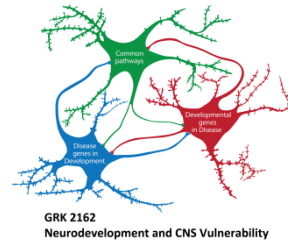


PhD position in retinal development and degeneration

The Department of Biology offers a Ph.D. position to examine the **role of the synaptogenesis and synapse maintenance factor Bassoon in mediating differential sensitivity of photoreceptors to late-onset degeneration**. The project will be jointly supervised by Prof. H Brandstätter and PD Dr. H Regus-Leidig. The position is embedded in the DFG-funded research training group 2162 “Neurodevelopment and Vulnerability of the Central Nervous System”.



Our approach:

Juvenile to aged bassoon-deficient mice will be used for:

- structural and functional characterization of the vulnerability of photoreceptors
- analysis of cell death pathways in photoreceptors
- expression profiling and bioinformatical analyses to identify vulnerability factors and pathways

Our location: Erlangen - a lively university town in the heart of Bavaria (Germany)

We offer:

- a structured, international Ph.D. program in an exciting and promising new research field
- close supervision and intensive mentoring by a team of internationally renowned neuroscientists
- an excellent education in neuroscience and career training (lectures, laboratory rotations, soft skills courses)
- fruitful collaborations within and outside of Erlangen (incl. laboratory visits abroad)
- retreats and international conferences

You are:

- a highly motivated student?
- enthusiastic about neuroscience and encouraged by neuroscientific challenges?
- a team player, who wants to contribute with his ideas to our exciting project?
- a M.Sc. (or equivalent) with an excellent degree in (neuro-)biology, biochemistry or related areas?

4 x yes? Then submit your application via email to grk2162@fau.de until **30.6.2016**:

A) Please submit as a single pdf file:

- | | |
|---------------------------|---|
| (1) Letter of motivation | (4) Summary of Research Experience and Master Project |
| (2) Curriculum vitae | (5) List of publications |
| (3) Transcript of Records | (6) Names of two potential supervisors |

B) Two letters of reference:

to be sent directly by the referees to:

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

Start date: late summer / autumn 2016

For more information visit: www.grk2162.med.fau.de; www.tierphys.nat.uni-erlangen.de