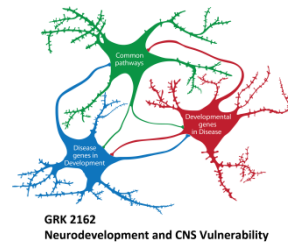


The Department of Neurology of the University Hospital Erlangen

offers a Ph.D. position to study the **role of the neurodevelopmental transcription factors Sox8 and Sox10 in susceptibility and repair in demyelinating diseases (supervisor: Prof. Ralf Linker).**

The position is embedded in the DFG-funded research training group 2162 "Neurodevelopment and Vulnerability of the Central Nervous System"



Our approach:

- behavioral and histopathological analyses of experimental autoimmune encephalomyelitis (EAE) in Sox8 / Sox10 knockout mice
- organotypic slices to study the impact of Sox8/ Sox10 on remyelination
- transcriptome analysis to determine molecular targets and programs of Sox8 and Sox10 after a demyelinating challenge
- Translational part: analysis of Sox8 and Sox10 expression in tissues from MS patients

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 | |

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; <http://www.neurologie.uk-erlangen.de/forschung-und-lehre/multiple-sklerose-und-neuroimmunologie/>