

Position for Early Stage Researcher (36 months)

Title: **Aquaporin-4, agrin, and the blood-brain barrier**

Team: Prof. Hartwig Wolburg (head), Dr. Petra Fallier-Becker, Dr. Karen Wolburg-Buchholz, Dr. Susan Noell, Yeliz Donat-Krasnici, Ria Knittel, Gabi Frommer-Kästle, cand. Med Jörg-Peter Vollmer

Aim of Project:

The aim of the Wolburg project is to understand the mechanisms behind the regulation of the blood-brain barrier (BBB) in the mammalian brain. Tight junctions (TJs) of the BBB as well as the extracellular matrix (ECM), ECM metalloproteinases and the polarized distribution of aquaporin-4 in astrocytes are in the focus of the project.

Methods:

Electron microscopy, Freeze-Fracturing, confocal laser scanning microscopy, Western Blotting, PCR

Candidate profile:

Master of science, skills in molecular biology, cell culture, willingness to learn electron microscopy, English speaking, but also willingness to learn the German language

How to apply & contact data:

Please send your CV and a letter of intent to Prof. Hartwig Wolburg at: hw.utub@eduglia.eu

You will find more details on our project website: <http://www.eduglia.eu>



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:: Description

FENS invites all laboratories, institutes or companies with vacancies to send in a job description.

The Job Market website presents an overview of available jobs for PhD students, post-docs, up to senior staff positions and professorships. This service is free to all neuroscientists.

FENS members receive a monthly e-mail alert with a short description of new jobs.

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Job #23265, added on 01/07/10, 14:48:56

Job Information

Ph.D. Student in Tuebingen/Germany
 Starting date: 2010-03-01
 Application deadline: n/a
 Duration: 3 years
 Institution: University of Tuebingen
 Department: Institute for Pathology

Contact Information

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<http://www.eduglia.eu>

Job Description

We invite applications for a Ph.D. Student (Early Stage Researcher) position being part of the Marie Curie Initial Training Network Edu-GLIA (<http://www.eduglia.eu>), funded by the European Commission.

Each Edu-GLIA project aims at elucidating one particular glia-neuron interaction within the central or peripheral nervous system. The project at the University of Tuebingen is aimed at understanding the mechanisms behind the regulation of the blood-brain barrier (BBB) in the mammalian brain. Tight junctions of the BBB as well as the extracellular matrix (ECM), ECM metalloproteinases and the polarized distribution of aquaporin-4 in astrocytes are in the focus of the project.

Methods:

Electron microscopy, Freeze-Fracturing, confocal laser scanning microscopy, Western Blotting, PCR

Your qualifications:

- Skills in molecular biology and cell culture
- Willingness to learn electron microscopy
- English speaking, but also willingness to learn the German language

The EU has strict eligibility criteria:

Candidates

- Can be nationals of any country other than that of the host institution
- Must not have resided or carried out their main activity in the country of the host institution for more than 12 months in the 3 years immediately prior to their recruitment
- Should not possess a Ph.D.
- Should have less than 4 years of research experience after graduation with a degree allowing to start a Ph.D. thesis

Please send your CV, a letter of intent
and the names of 2 referees to Prof.
Wolburg at hw.utub@eduglia.eu

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