

Position for Early Stage Researcher (36 months)

Title: **Role of glial and stem cells in the pathogenesis and treatment of brain and spinal cord injury, Alzheimer's disease and amyotrophic lateral sclerosis (ALS)**

Team:

Head: Prof. Eva Sykova

Methods:

Animal models of brain and spinal cord injury and neurodegenerative diseases (including transgenic animals), cell culture techniques, behavioural testing, immunohistochemistry, use of superparamagnetic nanoparticles and magnetic resonance imaging to track the migration and fate of transplanted stem cells

Candidate profile:

University degree giving access to doctoral studies; open to interested individuals of any nationality except Czech within the first 4 years of their research career

Contact:

Please send your CV and a brief motivation letter to Prof. Eva Sykova, MD, DSc, director of the Institute of Experimental Medicine, at: dutt@biomed.cas.cz

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 details

Job #23275, added on 01/07/10, 18:17:07

Job Information

Ph.D. Student in Prague/Czech Republic
 Starting date: 2010-03-01
 Application deadline: n/a
 Duration: 3 years
 Institution: Academy of Sciences of the Czech Republic
 Department: Institute of Experimental Medicine

Contact Information

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Job Description

We invite applications for a Ph.D. Student 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 glia-neuron interaction within the central or peripheral nervous system. The project in Prague will entail the use of transgenic animals and magnetic resonance imaging to study the diffusion parameters of diseased or injured central nervous tissue and the survival, migration and fate of transplanted stem cells in models of human diseases (amyotrophic lateral sclerosis, spinal cord injury, stroke). Objectives: To establish protocols for the culturing, labelling, implantation, and in vivo MRI tracking of stem cells, the use of animal models of CNS injury and disease and the translation of the knowledge obtained with animal models to human clinical practice.

Methods: Animal models of brain and spinal cord injury and neurodegenerative diseases, cell culture techniques, behavioural testing, immunohistochemistry, use of superparamagnetic nanoparticles and magnetic resonance imaging to track the migration and fate of transplanted stem cells.

Qualifications:

Required language: English. The following experience would be advantageous: Experience working with laboratory animals (mice, rats), experience in basic neuroscience, experience with cell culture techniques, and/or experience with the behavioural testing of lab animals.

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 name of of 2 referees to Prof. Sykova at es.iemascr@eduglia.eu

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