

Position for Early Stage Researcher (36 months)

Title: Astrocyte Cell Physiology and Pathophysiology

Team:

Head: Prof. Robert Zorec

AIM:

Studying membrane dynamics and vesicle traffic in single astrocytes from wild type and transgenic animal cells.

Methods & environment:

Electrophysiological membrane capacitance techniques for assaying single cell membrane area and single fusion pore exocytotic events. Optical quantitative imaging microscopy techniques such as high-resolution confocal microscopy, FRET microscopy and live object mobility studies utilizing molecular biology techniques.

Laboratories include biochemistry, molecular biology, wet lab, cell culture facilities, electrophysiology platforms, microscopy platforms, all part of the Carl Zeiss Reference Center for Confocal Microscopy.

Candidate profile:

Background in biomedical sciences or biology or physics or bioengineering or related fields of biological sciences; required experience: computer skills (such as MATLAB or equivalent) or willingness to learn signal and image processing, required knowledge of English and required interests in cell science and molecular physiology/biology.

Contact:

Please send your CV and a letter of intent to Prof. Robert Zorec at: neuroendo@mf.uni-lj.si or robert.zorec@mf.uni-lj.si

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



:: Job Market

- ▶ Place a job ad
- ▶ Search for a job

:: 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.

:: Place a job ad

Please check your input. If everything looks okay, press "**finish**" to insert the Job Ad into our database. In case you've discovered a mistake, press "**edit**" to correct it.

Job #23270, added on 01/07/10, 17:42:05

Job Information

Ph.D. Student in
Ljubljana/Slovenia
Starting date: 2010-03-01
Application deadline: n/a
Duration: 3 years
Institution: University of Ljubljana, Faculty of Medicine
Department: Institute of Pathophysiology

Contact Information

Prof. Dr. Robert Zorec
University of Ljubljana, Faculty of Medicine
Institute of Pathophysiology
Vrazov trg 2
1000 Ljubljana
Slovenia
Phone: +386-1-543 7080
Fax: +386-1-543 7036
E-mail: rz.unilj@eduglia.eu
Website: <http://lnmcp.mf.uni-lj.si/Neuroendo>

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 Early Stage Researcher project at the University of Ljubljana is aimed at studying membrane dynamics and vesicle traffic in single astrocytes from wild type and transgenic animal cells. Exocytosis will be measured by electrophysiological membrane capacitance techniques, which enables assaying single cell membrane area and single fusion pore exocytotic events. Optical quantitative imaging microscopy techniques such as high-resolution confocal microscopy, FRET microscopy and live object mobility studies utilizing molecular biology techniques will also be used.

Your qualifications:

- Background in biomedical sciences or biology or physics or bioengineering or related fields of biological sciences
- Computer skills (such as MATLAB or equivalent) or willingness to learn signal and image processing
- Good knowledge of English
- Interests in cell science and molecular physiology/biology.

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 and contact details of 2 referees
to Prof. Zorec at rz.unilj@eduglia.eu

[▶ edit](#) [▶ finish](#)

[▣ Search](#) [▣ Sitemap](#) [▣ Contact](#) [▣ Disclaimer](#)

