edu GLIA

Innovative Techniques and Models to Study Glia-Neuron Interactions

Position for Early Stage Researcher (36 months)

Title: Glia morphological plasticity and its functional consequences

Team:

Head: Dr. Stéphane Oliet

Aim of Project:

The project is aimed at understanding the mechanism underlying the glial morphological plasticity occurring in some brain areas in response to physiological stimulations. We will focus on the supraoptic nucleus of the rat hypothalamus in which a striking reduction of the astrocytic coverage of neurons occurred during lactation and dehydration. We will investigate the consequences of this anatomical remodelling on synaptic transmission, synaptic plasticity and neuronal excitability. This project should bring important insights on the impact of neuron-glia interactions on brain signalling.

Methods:

Electrophysiology, anatomy, imaging, brain slices

Candidate profile:

Highly motivated candidates should have a MSc in Neurobiology, Physiology or biology and be familiar with the basis of synaptic transmission. Experience in electrophysiology will be appreciated. Fluent English is required.

How to apply & contact data:

Please send your CV and a brief motivation letter to Dr. Stéphane Oliet, Inserm U862, at: stephane.oliet@inserm.fr; Website: www.neurocentre-magendie.fr/NCM_Pages/Equipes/eq_oliet/UK_equipe_oliet.php

You will find more details on our Edu-GLIA project website: http://www.eduglia.eu

Federation of European Neuroscience Societies

.: 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.

.: Job Market

XML

Job details

Job #23290, added on 01/08/10, 13:57:28

Job Information

Ph.D. Student in Bordeaux/France

Starting date:	2010-03-01
Application deadline:	n/a
Duration:	3 years
Institution:	INSERM (Institut National de la Santé et de la Recherche Médicale)
Department:	Pathophysiology of Neural Plasticity, Inserm U862

Contact Information

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Website:	http://www.neurocentre-magendie.fr/NCM_Pages/Equipes/eq_oliet/UK_equipe_oliet.php

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 at INSERM is aimed at understanding the mechanism underlying the glial morphological plasticity occurring in some brain areas in response to physiological stimulations. We will focus on the supraoptic nucleus of the rat hypothalamus in which a striking reduction of the astrocytic coverage of neurons occurred during lactation and dehydration. We will investigate the consequences of this anatomical remodelling on synaptic transmission, synaptic plasticity and neuronal excitability. This project should bring important insights on the impact of neuron-glia interactions on brain signalling.

Methods: Electrophysiology, anatomy, imaging, brain slices

Your qualifications:
Highly motivated candidates should have a MSc in neurobiology, physiology or biology and be familiar with the basis of synaptic transmission. Experience in electrophysiology will be appreciated. Fluent English is required.

The EU has strict eligibility criteria:
Candidates
- Can be nationals of any country other than that of the host institution
- Must not have resided/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 dates of 2 referees to Dr. Oliet at so.inserm@eduglia.eu

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