

IBMC - Instituto de Biologia Molecular e Celular

Research fellowship (f/m)

Internal Code: Norte2020NEURO37

Project: NORTE-01-0145-FEDER-000008, Porto Neurosciences and Neurologic Disease Research at i3S

Title: Neuropotonics “Lab”: Light tools for live neuronal and glial cells analysis

IBMC/i3S is opening **1 (one) Research Fellowship (Master)** to join its Research Program in Neurosciences.

Group and PI: Advanced Light Microscopy unit, Paula Sampaio.

Admission Requirements:

Applicants should hold a Master degree in the area of Health Sciences, completed at the date of application. The candidate should have good knowledge in biology of neuronal and glial cells and be autonomous in animal cell culture. Preference will be given to candidates with previous experience in primary cell culture of neuronal and glial cell, including oligodendrocytes, and holding a certificate for the Animal Science FELASA course (cat B). Prior experience with advanced light microscopy, live cell imaging and digital image analysis with ImageJ / Fiji software is also an admission requirement. Knowledge in ImageJ Macro Programming and MATLAB are valued, as well as, expertise in basic techniques of cell and molecular biology. Applicants should be fluent in English and have good inter-personal relationships in the context of a multidisciplinary research and core-facility team is essential.

Work Plan:

This project aims to implement and develop advanced light microscopy methodologies involving techniques of FRET, TIRF, SMLM, optical tweezers and design of quantitative image analysis workflows to characterize the cytoskeleton remodelling behaviour in live cells from nervous system of animal models.

The work will be developed at Instituto de Investigação e Inovação em Saúde - i3S, Porto, Portugal.

Selection of candidates:

Candidates will be selected according to their CVs and motivation letter. The most qualified candidates will be selected for a personal interview. Candidates will be assessed according to the following criteria: academic background, previous experience in scientific research relevant to the project (according to admission requirements) and personal interview. The total evaluation will be based on CV (50%) and interview (50%).

Selection Committee: Paula Sampaio (PhD), João Relvas (PhD) and Mónica Sousa (PhD)

Grant conditions:

The Research Fellowship will be for 18 months and it is expected to start in February 2017.

The fellowship amount is 980 euros, paid by bank transfer, preferentially.
(<http://alfa.fct.mctes.pt/apoios/bolsas/valores>)

Legislation and applicable laws:

Fellowships are regulated by current laws relating to the Statute of Science Research Fellows, namely Law 40/2004 of August 18, amended and republished by Decree-Law No. 202/2012 of 27 August and the Regulation of Scientific Research Studentships of IBMC approved by Fundação para a Ciência e Tecnologia
(<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>)

Application procedure:

To apply for the Research Fellowship interested candidates must hold a Master degree and submit the following documents a) Complete CV; b) Letter of Motivation; and c) Master Certificate, *via* the online application system:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020NEURO37>

Applications are open from 9 to 20 January 2017.

The ranking list of candidates will be published at IBMC website, and the selected candidate will be notified by email.