

IBMC - Instituto de Biologia Molecular e Celular

Research fellowship (f/m)

Internal Code: Norte2020NEURO50

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

Title: Workflows for quantitative image analysis of neuronal cells

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:

We are looking for a fellow with a Master degree in Biology or related fields with experience in biology of neuronal and glial cells, light and electron microscopy, and digital image analysis. Knowledge of ImageJ/Fiji Macro Programming, software IMARIS are also admission requirements. Skills in management of relational databases and of structural data, as well as in PHP and HTML are also valuable. English language, both spoken and written, and good inter-personal relationships in the context of a multidisciplinary research and core-facility team are essential attributes.

Work Plan:

The selected candidate will work in the aim of the project Neurophotonics “Lab”: Light tools for live neuronal and glial cells analysis and is expected to collaborate in the design and implementation of workflows for quantitative analysis of digital images of light and electron microscopy images of neuronal cells. This work will include the analysis and rendering of 3D images, as well as, to deal with relational databases of images.

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 might 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.

Selection Committee: Paula Sampaio (PhD), João Relvas (PhD) and Teresa Summavielle (PhD)

Grant conditions:

The Research Fellowship will be for 6 months, not renewable and starts in June 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=Norte2020NEURO50>

Applications are open from 10 to 25 May 2017.

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