

**IBMC - Instituto de Biologia Molecular e Celular**

**Master fellowship (f/m)**

**Internal Code:** Norte2020NEURO36

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

**Title:** Understanding the role of phospholipids in neurons.

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

We are looking for candidates holding a Master degree in Biochemistry or related fields. Certified license to perform animal experimentation (minimum FELASA B level) and a strong interest, understanding and practical knowhow in: (a) primary cultures of neurons, (b) neuron development, differentiation and function; (c) microscopy (epifluorescence and confocal (including laser and spinning disk), are essential requirements. Knowledge of English language, both spoken and written, and good inter-personal qualities in the context of a multidisciplinary research team are also essential attributes.

**Group and PI:** Nerve regeneration, Pedro Brites.

**Work Plan:**

The fellow will join the project aimed at understanding the role and function of membrane phospholipids in neuron development and differentiation. Specific tasks will include: isolation of nervous tissue for histological characterization, isolation and culture of hippocampal and cortical neurons, nucleofection of cultured neurons, assessment of axon growth and its correlation with the dynamic remodeling of the actin and tubulin cytoskeleton.

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

**Selection of candidates:**

Candidate will be selected according to the curriculum evaluation.

The Fellowship, for 6 months, and it is expected to start February 1st 2017.

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

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>)

Selection Committee:

Pedro Brites, PhD

Mónica Sousa, PhD

Márcia Liz, PhD

Applications are open from December 22<sup>nd</sup> 2016 to January 15<sup>th</sup>, 2017.

To apply for the Fellowship interested candidates must submit the following documents: a) Complete CV; b) Letter of Motivation, and c) Certificates of Bachelor/“licenciatura” and Master. Documents must be submitted *via* the online application system:

<http://www.ibmc.up.pt/gestao candidaturas/index.php?codigo=Norte2020NEURO36>

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