

IBMC - Instituto de Biologia Molecular e Celular

Postdoctoral fellowship (f/m)

Internal Code: Norte2020Neuro20

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

Title: The neuronal cytoskeleton: exploring the assembly and function of axon actin rings

IBMC/i3S is opening **1 (one) Postdoctoral Fellowship** to join its Research Program studying the Neuronal Cytoskeleton

We are looking for a highly motivated Fellow holding a PhD in Biology, Physics, Biomedical Engineering, or related fields. Experience in Molecular and Cellular Neurobiology, Microscopy and/or autonomy in computer programming will be positively considered. English language, both spoken and written, and good inter-personal relationships are essential attributes.

Group and PI: Nerve Regeneration group, Monica M Sousa

Work Plan:

The recent discovery of axonal actin rings has advanced our understanding on actin organization and dynamics in neurons. However, the mechanisms regulating the nucleation, assembly and function of neuronal actin rings remain largely unknown. In this project we will explore the structural, mechanistic and functional properties of the subcortical neuronal cytoskeleton. The detailed analysis of these novel neuronal actin ring structures, together with the elucidation of the function of actin-binding proteins in neuron biology, has a large potential to uncover new mechanisms of neuronal function that may have impact in our understanding of axon degeneration and regeneration.

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

The Postdoctoral Fellowship will be for 18 months, and it is expected to start in June 1st 2016.

The fellowship amount is 1495 euros, paid by bank transfer, preferentially.
(<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:

Monica Sousa, PhD

João Relvas, PhD

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DE INVESTIGAÇÃO
E INOVAÇÃO
EM SAÚDE
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DO PORTO

Pedro Brites, PhD

Applications are open from April 15th until May 15th, 2016.

To apply for the Postdoctoral Fellowship interested candidates must hold a PhD degree and submit the following documents a) Complete CV; b) up to two Reference Letters, *via* the online application system: <http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020Neuro20>

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