

IBMC - Instituto de Biologia Molecular e Celular

Postdoctoral fellowship (f/m)

Internal Code: Norte2020NEURO13

Project: NORTE-01-0145-FEDER-000008, Porto Neurosciences and Neurologic Disease Research Initiative at I3S

Title: Operant behavioral tasks for evaluation of cognition, anxiety, fear and other complex behaviours in animal models

IBMC/i3S is opening **1 (one) Postdoctoral Fellowship** to join its Research Program in Neuroscience

We are looking for a Fellow holding a PhD in Neuroscience or related fields with experience and full autonomy in working in Molecular and Cellular Biology, Cell cultures, Dissection, Microscopy, and Neuronal Image Analysis and with a license to work with animals (FELASA C or B). Experience in animal behavior will also be relevant. English language, both spoken and written, and good interpersonal relationships in the context of a multidisciplinary research team are essential attributes. Preference will be given to candidates with these characteristics.

Group and PI: Addiction Biology, Teresa Summavielle

Work Plan:

We aim to implement new protocols for analysis of rodents behaviour that are designed to evaluate complex features of neuronal dysfunctions. These complex behavioural tasks allow designing specific testing paradigms that are determined by the symptoms of the human diseases to be studied. The selected candidate is expected to collaborate in implementing: 1) a 5-choice reaction time task for evaluation of attention; 2) self-administration models; 3) Fear conditioning and passive avoidance tasks. The candidate will be essential to conduct molecular and morphologic neuronal analysis after behavioural testing. The core of this plan will develop in a context of neurobiology of addiction.

The Postdoctoral Fellowship will be for 12 months, not renewable, and it is expected to start in May 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:

Teresa Summavielle, PhD

Ana Magalhães, PhD

João Relvas, PhD

Applications are open from March 15th to March 31st, 2016.

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

<http://www.ibmc.up.pt/gestao candidaturas/index.php?codigo=Norte2020NEURO13>

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