

IBMC - Instituto de Biologia Molecular e Celular

Postdoctoral fellowship (f/m)

Internal Code: Norte2020HOST08

Project: NORTE-01-0145-FEDER-000012, Structured Programme on Bioengineering Therapies for Infectious Diseases and Tissue Regeneration

Title: Towards new formulas for Leishmaniasis therapy

IBMC/i3S is opening **1 (one) Postdoctoral Fellowship** to join its Research Program On host Interaction and Response

We are looking for a Fellow holding a PhD in Microbiology, Biology, Biochemistry or related fields with experience and full autonomy in working in Molecular and Cellular Parasitology and Microscopy, with a license to work with animals (FELASA B). English language, both spoken and written, and good inter-personal relationships in the context of a multidisciplinary research team are essential attributes. Preference will be given to candidates with these characteristics.

Group and PI: Molecular Parasitology/Ana Tomás

Work Plan:

Leishmaniasis defines a spectrum of neglected diseases, ranging from non-lethal cutaneous to a deadly visceral condition, caused by Leishmania parasites that affect about 12 million people. In Portugal they affect mainly immunosuppressed patients and dogs. Current practices to treat leishmaniasis rely on inadequate chemotherapeutics and new drugs and formulations are urgently needed. The overall aim of this project is to contribute to the development of new formulations to treat Leishmaniasis. The concept here is to inhibit pathways that have been found by our group to be vital for Leishmania to thrive in their mammalian hosts. These pathways are i) the trypanothione biosynthetic pathway, ii) the trypanothione/tryparedoxin/tryparedoxin peroxidase/system (1), iii) and mitochondrial NADH oxidation.

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

The Postdoctoral Fellowship will be for 6 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:
Ana M. Tomás, PhD
Margarida Duarte, PhD
Helena Castro, 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/gestaocandidaturas/index.php?codigo=Norte2020HOST08>

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