

IBMC - Instituto de Biologia Molecular e Celular

Master fellowship (f/m)

Internal Code: Norte2020NEURO25II

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

Title: Molecular Mechanism of Ion Transporters.

IBMC/i3S is opening **1 (one) Master Fellowship** to join its Research Program in Molecular Mechanism of Ion Transporters.

We are looking for candidates holding a Master degree in Biochemistry or related fields. A strong interest in understanding molecular properties of proteins using Biochemical and Biophysical techniques is essential. Knowledge of English language, both spoken and written, and good interpersonal qualities in the context of a multidisciplinary research team are also essential attributes.

Group and PI: Structural Biochemistry, João Morais-Cabral.

Work Plan: The cellular K⁺ homeostasis machinery includes a variety of membrane proteins that mediate K⁺ transport. In many cases these macromolecules have not been properly characterized and their structure is unknown. This project is focused on bacterial membrane protein expression, crystallization and biophysical characterization of molecular properties. Specific tasks involve: generation of expression plasmids, expression of protein in bacterial cultures, purification of protein according to a defined protocol, analysis of protein quality and crystallization trials. In addition there is the potential to be involved with the characterization of the biochemical and biophysical properties of ion transporter.

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

The Fellowship initially for 6 months is eventually renewable up to 27 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:
João Morais Cabral, PhD
Carol Harley, PhD
Rita Rocha, PhD

Applications are open from November 25th to January the 1st, 2017.

To apply for the Fellowship interested candidates must submit the following documents: a) Complete CV; b) Letter of Motivation which includes names of referees, c) Master Degree Certificate and the Bachelor/“licenciatura” certificate with discriminated grades. Documents must be submitted *via* the online application system:

<http://www.ibmc.up.pt/gestao candidaturas/index.php?codigo=Norte2020NEURO25II>

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