

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

**Research fellowship (f/m)**

**Internal Code:** NORTE2020NEURO18

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

**Title:** Identification of common mechanisms underlying Tau pathology in neurodisorders

IBMC/i3S is opening **1 (one) Research Fellowship (BIM)** to join its Research Program in Neurosciences. We are looking for a Fellow holding a Master Degree in Biology, Biochemistry or related area (final score > 18, on a scale 0-20), highly motivated and committed. Proven experience and autonomy with *Drosophila melanogaster* handling and genetics and confocal microscopy techniques is required. Excellent oral and written communication skills in English 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:** The research program will be developed in the Neurodevelopment and Neurodegeneration Group under the supervision of Carla S. Lopes.

**Work Plan:**

Tauopathies are characterised by the intracellular aggregation of the microtubule-associated protein Tau. The mechanisms underlying Tau deposition are still elusive but its occurrence in diseases with distinct hereditary contribution, as Alzheimer (AD), Parkinson (PD) and Frontotemporal dementia (FTD), suggests the existence of shared molecular mechanisms. Their identification is crucial to: 1) pinpoint a tauopathy molecular signature; 2) recognise discriminative biomarkers increasing diagnostic and treatment outcomes.

In this project we aim to uncover the regulatory network underlying Tau pathology, using established *Drosophila* models of Tauopathy, AD and PD, to study and modulate the molecular mechanisms occurring during disease progression.

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

The Fellowship will be for 12 months, eventually renewable, and it is expected to start in May 1st 2016.

**Legislation and Salary:**

The fellowship is regulated by current laws relating to the Statute of Science Research Fellows, namely Law 40/2004 of August 18, and the Regulation of Scientific Research Studentships of the IBMC ([www.ibmc.up.pt/fellowships.php](http://www.ibmc.up.pt/fellowships.php)) approved by FCT.

The monthly allowance is 980 €, paid by bank transfer, preferentially (net and tax free, <http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

**Selection Committee:**

Carla S. Lopes, PhD

José Bessa, PhD

Márcia A. Liz, PhD

**Applications Deadline:**

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

**How to apply:**

Please send a Complete CV, Motivation letter ; and two contacts for references, *via* the online application system:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=NORTE2020NEURO18>

The candidates will be selected according to their CV, supporting information and interview if necessary. The ranking list of candidates will be published at IBMC website, and the selected candidate will be notified by email.