

RESEARCH FELLOWSHIP (M/F)

Reference: FLAD-Life Science 2020

Title of the project: “CLASP2 functional domains - role in kinetochore microtubule dynamics and mitotic fidelity”

Internal Code: PR331801

IBMC (Instituto de Biologia Molecular e Celular, Porto, Portugal) is seeking for a Research Fellow to development tasks on the above mentioned project, financed by “FLAD” (Fundação Luso-Americana).

The Fellowship will be for 6 months, and is expected to start on February 1st, 2018.

The fellowship amount is 980 euros, paid by bank transfer, preferentially.
(<http://alfa.fct.mctes.pt/apoios/bolsas/valores>)

Work plan: One of the most important steps of mitosis resides in the correct attachment of chromosomes to spindle microtubules in prometaphase and metaphase, which assure proper chromosome segregation. CLIP-Associated Proteins (CLASPs) are widely conserved proteins that play an important role in mitosis. The localization of CLASPs at the kinetochores and at the plus ends of spindle microtubules (MTs) during mitosis suggests an important role in the regulation of microtubule dynamics at the kinetochore interface. In this project we will unveil the role of CLASP2 in the regulation of mitosis, namely its mechanistic role at the kinetochore-microtubule interface and the respective implications for chromosome segregation fidelity. This will contribute for our understanding of how cells avoid chromosomal instability that can lead to aneuploidy and cancer.

Applications are open from 8 to 20 of January 2018.

Requirements:

Master's in Biochemistry/Biology or compatible, with experience in the field of cell division and advanced microscopy techniques.

FUNDAÇÃO
LUSO-AMERICANA

The proposals should include a letter of motivation, Master Certificate and CV and should be submitted on IBMC webpage at:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=PR331801>

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

Selection Committee:

Helder Maiato, PhD

Naoyuki Okada, PhD

Danica Drpic, PhD