RESEARCH FELLOWSHIP (M/F)

Reference: ERC-2015-CoG-681443-CODECHECK

Project: "**Cracking the Code Behind Mitotic Fidelity:** The Roles of Tubulin Post-Translational Modifications and a Chromosome Separation Checkpoint"

Internal code: ERC331701

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 the European Research Council, through the Program "Horizon 2020".

The Fellowship will be for 10 months, and is expected to start on March 1st, 2017.

The fellowship amount is 745 euros, paid by bank transfer, preferentially.
(http://alfa.fct.mctes.pt/apoios/bolsas/valores)

Legislation and applicable laws: Fellowships at the IBMC are regulated by current laws relating to the Statute of Science Research Fellows of Fundação para a Ciência e Tecnologia, I.P. - 2015, 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 the IBMC approved by Fundação para a Ciência e Tecnologia (www.ibmc.up.pt/fellowships.php)

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.

Selection Committee:

Helder Maiato, PhD

Cristina Ferrás, PhD

Naoyuki Okada, PhD

Applications are open from 17 to 24 of February 2017.

Requirements:

Degree (*Licenciatura*) in Biochemistry/Biology or compatible, with experience in the field of cell division and advanced microscopy techniques.

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

http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERC331701

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