



**Internal Reference:** ERCACTOMYO201703

**Subject:** call for one research position in the Cytoskeletal Dynamics Group, i3S/IBMC

**Starting Date:** November 1, 2017

**Duration:** 3 months, eventually renewable

**Research summary:** Our laboratory studies the mechanisms of acto-myosin contractility, with special focus on the context of cytokinesis, the process that completes cell division by partitioning the contents of the mother cell to the two daughter cells. We use *C. elegans* as experimental model and our methodological approaches include high-resolution fluorescence microscopy, imaging analysis, genetics, molecular biology, genome editing (by CRISPR/Cas9 for generation of mutant or labelled worm strains), and biochemistry. This position will primarily involve the generation of worm strains expressing mutants of actin regulators by CRISPR/Cas9.

**Requirements for research position:**

- MSc degree in cell biology, biophysics or related areas (score of Master's degree no lower than 19 out of 20)
- Experience with microinjection of *C. elegans*

**Research Position:**

A fellowship MSc level (980€ per month) will be awarded. 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 August 27 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>

**How to apply:** please send a motivation letter, CV and two reference contacts, *via* the online application system from 16th of October until the 25th of October 2017:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERCACTOMYO201703>

**Selection criteria:** Only candidates that fulfil all the requirements will be considered. Top candidates will be ranked by evaluation of scientific and curricular achievements, relevance of previous work to the proposed project, motivation letter and references.