

Subject: Call for one research fellowship in the Cytoskeletal Dynamics Group, i3S/IBMC

Internal Reference: ERCACTOMYO201705

Starting Date: January 1, 2018

Duration: 6 months, eventually renewable

Research context: 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), electron microscopy and biochemistry. This position will primarily involve electron microscopy of the last stages of cytokinesis in *C. elegans* embryos.

Requirements for research position:

- Advanced knowledge in the field of electron microscopy, including sample preparation of early *C. elegans* embryos, serial sectioning and serial-section electron tomography and imaging processing using SerialEM, IMOD and AMIRA
- Experience with fluorescence microscopy
- Availability to work at i3S, Porto, Portugal and at the Technische Universität Dresden, Germany
- Fluency in German will be valued

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 1st until the 15th of December 2017 at:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERCACTOMYO201705>

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.