



European Research Council
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Subject: call for 2 PhD student positions available in the Cytoskeletal Dynamics Group at i3S/IBMC, Porto

Starting Date: 1 October 2017

Duration: renewable until June 2020

Internal Reference: ERCACTOMYO201702

Research summary: Our laboratory studies cytokinesis, the process that completes cell division by partitioning the contents of the mother cell to the two daughter cells. We are particularly interested in dissecting the mechanisms of acto-myosin based contractility that occur during cytokinesis. We use *C. elegans* as an animal model and our methodological approaches include high-resolution fluorescence microscopy, imaging analysis, genetics, biophysics, molecular biology, and biochemistry.

Location: i3S/Cytoskeletal Dynamics Group under the supervision of Ana Xavier de Carvalho. I3S is a consortium of three leading international research institutions in Porto, Portugal with a strong record in life sciences and excellent scientific output, which offers a unique multidisciplinary environment key for the successful development of our projects. <https://www.i3s.up.pt/>

Candidate profile and qualifications:

- MSc degree (final score ≥ 18 , on a scale 0-20) **OR** integrated Masters (final score ≥ 15 , on a scale 0-20) in cell biology or bioengineering
- High motivation, commitment, creativity and perseverance
- Good oral and written communication skills in English
- Proven experience with the nematode *C. elegans* and the study of cell division
- Proven experience with confocal fluorescence microscopy, image analysis, molecular cloning, and genetics **OR** confocal fluorescence microscopy, image analysis and biomechanics.

How to apply: please send a motivation letter, CV and contact information of two referees *via* the online application system

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERCACTOMYO201702>

from 18 September until 28 September 2017.

The candidates will be selected according to their CV and supporting information.

Jury: Ana Xavier de Carvalho, PhD; Reto Gassmann, PhD; Fung-Yi Chan, PhD

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). The monthly amount is 980€ (net and tax free, <http://alfa.fct.mctes.pt/apoios/bolsas/valores>).