



Master fellowship position (m/f)

A Master fellowships position is opened for recruitment to collaborate in the project “**Mechanisms of actomyosin-based contractility during cytokinesis**”, financed by an ERC Starting Grant 2014 (reference 640553).

Internal reference: ERCACTOMYO1802

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

Research context: Our laboratory studies the mechanisms of actomyosin 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 characterizing cytokinesis and other actomyosin dependent processes in several cellular contexts in *C. elegans* embryos.

Requirements for research position:

- Master Degree in applied Biology or related areas;
- Advanced experience with *C. elegans* system, namely live microscopy, genetics and CRISPR/Cas9;
- Experience with confocal fluorescence microscopy;
- Good writing and oral English skills.

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>

Juri: President: Ana Carvalho (PhD)

Vogais efectivos: Reto Gassmann (PhD), Fung Yi Chan (PhD)

Duration: The fellowship is initially for one year, eventually renewable. The starting date is 1st of January 2019.

Dates: The application call is opened between 4 and 15 December 2018. Applications and supporting documentation – Maximum of One-page motivation letter, CV- are mandatory and only accepted *via* the online application system:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERCACTOMYO1802>

Only candidates that fulfil all the requirements will be considered. Top candidates will be ranked by evaluation of scientific and curricular experience, relevance of previous work to the proposed project and motivation to conduct the work.

Results: The results will be published at the IBMC website and the selected candidate will be informed by email.