

**One Research Fellowship (MSc) - Biological/Chemical Sciences
(BI)**

One Fellowship for Master degree is open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for BioISI – Biosystems & Integrative Sciences Institute, UID/Multi/04046/2013 national funds by FCT / MCTES (PIDDAC), under the following conditions:

- 1. Scientific Area:** Chemistry and Biochemistry
Specific Area: Chemistry and Biochemistry
- 2. Requirements for admission:** candidates should be holders of an MSc degree in Chemistry, Biochemistry, Biology, Microbiology or related areas. Candidates with previous experience in any of the following will be favored: purification of small molecules, chromatography, mass spectrometry, microscopy and/or culture of mammalian cells. Candidates should be willing to integrate a large multidisciplinary research team and have a strong motivation to be part of a drug discovery and development research project.
- 3. Work plan:** The successful candidate will be assigned to a funded research project focusing on the discovery and development of new drug leads for the disease Cystic Fibrosis (CF). Previous work has identified 10 extracts originating from a collection of and terrestrial macro & microbial samples which increased the intracellular traffic of the CF-relevant proteins F508del-CFTR and ANO1 in cellular models. The successful candidate will deconvolute 9 of these bioactive extracts to isolate new natural product leads, as well as test their bioactivity in CF cellular models. The work will be developed in a multidisciplinary manner across 3 BioISI research groups using approaches encompassing chemistry (SPE, HPLC, mass spectrometry), biochemistry (western blotting), cell biology (culture of mammalian cells), microscopy (high content screening) and entrepreneurship.
- 4. Legislation framework:** Statute of the Scientific Research Fellowship, in accordance with Law 40/2004, of 18 August, as amended and republished by Decree-Law No. 202/2012 of 27 August, and as amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of 9 July; And also by the FCT, I.P. Fellowships Regulation, in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and **FCiências.ID** Fellowship Regulation, as approved on 23rd February 2017.
- 5. Place of work:** The work will be developed at BioISI – Biosystems & Integrative Sciences Institute, at the hosting institution: Faculty of Sciences of the University of Lisboa, C8 bldg, Campo Grande, under the scientific guidance of Doctors Helena Vieira, Helena Gaspar and Hugo Botelho.
- 6. Fellowship duration:** This position is initially opened for 6 months and will begin on February 2018. The fellowship contract may be renewed to more 6 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
- 7. Monthly allowance:** The monthly allowance is € 980, in accordance to the fellowships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>).
The fellowship holder will have a personal accident insurance and, if not covered by any social protection scheme can ensure the right to social security through adherence to the voluntary social insurance scheme, pursuant to Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social.
The fellowship will be paid monthly by bank transfer.
- 8. Selection method:** Candidates will be assessed by the quality of their CV and experience (60%) as well as by a face-to-face interview (40%) or through Skype in cases where the latter is not possible.

9. **Selection Committee:** Prof. Helena Vieira (President); Dr. Helena Gaspar, FCUL ("Vogal"); Dr. Hugo Botelho ("Vogal"). (Substitutes "Vogais": Prof. Carlos Farinha, FCUL; Prof. Rogério Tenreiro, FCUL)

10. **Publication/notification of results:** The final results of the evaluation will become public, through alphabetically ordered list which will be posted at the entrance hall of the Fundação da Faculdade de Ciências da Universidade de Lisboa, located at the Faculdade de Ciências da Universidade de Lisboa, C1 bdg – 3rd floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by e-mail.

11. **Deadlines:** This call for applications is open from 24 January to 6 February 2018.

12. **Application:** Applications may be sent via e-mail to hmvieira@fc.ul.pt with the following reference "BI-Applicant_name". The following documents must be attached: 1) a motivation letter highlighting the relevant experience (see preferential points described above in nr.2) and the availability to start working; 2) CV with description of expertise relevant to the preferential selection points (see above nr.2); 3) two reference letters of people well acquainted with the work of the candidate. Failure in sending any of these elements disqualifies the application; 4) Master Certificate.