



## CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

(2 post-doctoral fellowships and 1 pre-doctoral scholarship)

2 post-doctoral fellowships and one pre-doctoral scholarship (MSc or licentiate with significant museum/outreach experience) are open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the project Blue Mining— Breakthrough Solutions for the Sustainable Exploration and Extraction of Deep Sea Mineral Resources, FP7-NMP-2013-LARGE-7, co-financed by the European Commission under the Seventh Framework Programme, under the following conditions:

1. **Scientific Area:** Geosciences
2. **Requirements for admission:** two fellowships (1, 2) requiring a PhD in a subarea of geosciences or related disciplines as detailed below and experience in analytical techniques detailed below, for project work packages WP1 and WP2. A third position (3) requiring a licentiate in Earth Sciences and experience in science museum/outreach work (WP7).
3. **Factors of preference:** Scientific publications and experience in research and technical areas pertaining to the job descriptions. Expertise in areas such as computing (data handling, image processing, etc.) will also be considered.
4. **Work plan:** The rationale for fellowships (1) and (2) is to provide mineralogical and geochemical information on the nature of cover sediments and rocks to mineralization, during exploration cruises, which may be used to decide whether each exploration target deserves additional surveying or not, using portable tools, tuned before cruises at sea (WP1); standard in-house instruments, including transmitted and reflected light microscopes, will be used to characterize ores (WP2). The successful candidates are expected to cooperate extensively. Jobs will include sample preparation and reporting results and interpretations in scientific publications.

(1) (Post-doctoral fellowship) Mineral identification applied to seafloor and subseafloor mineral exploration and ore characterization; with emphasis on expedite techniques (X-ray diffraction, Infrared analysis, Raman spectroscopy) and, additionally, in-house techniques such as electron probe microanalysis and stable isotope geochemistry. The successful candidate should have experience in some or all of the techniques to be used. The job duties include tuning and testing portable instruments, and participation in scientific cruises at sea, operating all the instruments of both jobs 1 and 2 (see below).

(2) (Post doctoral fellowship) Physicochemical study of sediments, rocks, ores and minerals applied to seafloor mineral exploration (mostly expedite techniques) and ore characterization. The job duties include tuning and testing portable instruments (portable X-ray fluorescence, colorimetry) and participation in scientific cruises at sea, operating all the instruments of both jobs 1 and 2 (see previous paragraph).

(3) (Position requiring a licentiate or MSc) Participation in a variety of activities pertaining to an exhibition in Museu Nacional de História Natural e da Ciência in Lisbon, entitled “Science and Riches on the Deep Seafloor”, largely related to the objectives of project Blue Mining. Duties will include development, procurement and assemblage of museum exhibits, digital video selection, and photography.

Additional information may be found in the Blue Mining webpage (<http://www.bluemining.eu/>).

5. **Legislation framework:** A fellowship contract will be celebrated according to the regulations defined by FCT “Regulations for Advanced Training and Qualification of Human Resources”, 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.





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Fellowships Regulation, in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and FFCUL's Fellowship Regulation, as approved on 22<sup>nd</sup> December 2014

6. **Place of work:** The work will be developed at Instituto Dom Luiz – Faculdade de Ciências da Universidade de Lisboa, under the scientific guidance of Professor Fernando Barriga.
7. **Fellowship duration:** These positions are initially opened for 6 months and will begin on October 2015. The fellowship contract may be renewed to more 18 months, or eventually until the end date of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
8. **Monthly allowance:** The fellowship (1) and (2) amounts to € 1495 and the Fellowship (3) amounts to € 980 or 745€, according to table values of 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.
9. **Selection method:** Candidates will be assessed by the quality of their CV and if necessary an interview (5%). For EU non-residents is necessary an interview (via skype is acceptable).
10. **Selection Committee:** Fernando Barriga (president), Jorge Relvas, Isabel R Costa and Ana Janeiro (alternate member of the Jury).
11. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list *final grade obtained* 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 bldg – 3<sup>rd</sup> floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by e-mail.
12. **Deadlines:** This call for applications is open from 1 August to 15 September, 2015
13. **Application:** Applications may be sent via e-mail to [cleee@fc.ul.pt](mailto:cleee@fc.ul.pt), by attaching the following documents: *Curriculum vitae, certificate and other documents considered relevant.*

