



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

(Scientific Initiation Grant, 1 opening)

One Scientific Initiation Grant is opened by **Fundação da Faculdade de Ciências da Universidade de Lisboa**, in the I&D project *Quantification in X-ray fluorescence spectrometry by Monte Carlo methods*, EXPL/FIS-ATO/0776/2012, financed by national funds by FCT / MEC (PIDDAC) under the program Exploratory 2012, under the following conditions:

1. **Scientific Area:** Atomic and Molecular Physics
2. **Requirements for admission:** Undergraduate student in the fields of Physics, Physics Engineering and Biomedical Engineering. Average classification equal or superior to 14 points out of 20 and preference for good grades in the following courses: Numerical Methods, Computational Physics, Experimental Physics and Physics and Technology of Radiations. An added value will be considered for those candidates with practical knowledge of programming in Fortran 90.
3. **Work plan:** The selected candidate will collaborate in the implementation of the Monte Carlo simulation of a X-ray fluorescence spectrometer and in the development of simple programs. The selected candidate can also be invited to participate in measurements by X-ray fluorescence related with the project.
4. **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; Fundação para a Ciência e a Tecnologia, I.P. Fellowships Regulation of 2012.
5. **Place of work:** The work will be developed at the Atomic Physics Center, Faculty of Sciences of the University of Lisbon, under the scientific guidance of Dr. Jorge Miguel Sampaio.
6. **Fellowship duration:** This position is initially opened for 3 months and will begin on July, 2013. The grant contract may be renewed to more 6 months, until one total duration of 9 months.
7. **Monthly allowance:** The fellowship amounts to € 385 according to table values of the scholarships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>). The grant 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 scholarships will be paid monthly by bank transfer
8. **Selection method:** Candidates will be assessed by the quality of their academic curriculum, including an academic certificate with grades obtained in the above mentioned courses, or their equivalent, motivation letter, including a résumé with their professional and scientific experience that the candidate thinks as relevant. Candidates can be called for a short interview at the Faculty of Sciences of the University of Lisbon (or, if their presence is not possible, the interview can be done via *Skype*) by the selection committee. The final classification will be obtained by weighting the academic evaluation with 70% and the interview with 30%.



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

9. **Selection Committee:** Dr. Jorge Miguel Sampaio (president), Prof. Luís Peralta (effective member), Prof. Luísa Carvalho (effective member), Dr. Marta Manso (substitute member), Dr. Teresa Amorim (substitute member).
10. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list by final classification, 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 June, 12 to June, 26, 2013.
12. **Application:** Applications may be sent via e-mail to jmsampaio@fc.ul.pt , by attaching the following documents: motivation letter, academic certificates and résumé. Applications may also be sent by mail to Jorge Miguel Sampaio, Faculdade de Ciências da Universidade de Lisboa, Edifício C8 Campo Grande, 1749-016 Lisboa, Portugal.