



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

BI for a holder of Licentiate Degree

One Fellowship BI for junior scientist holding a Licentiate Degree is open at the Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL), for the project, "Collaboration in the ATLAS Experiment", CERN/FIS-NUC/005/2015, financed by national funds by FCT / MEC (PIDDAC) under the programme "Projetos no âmbito da colaboração entre Portugal e o European Laboratory for Particle Physics (CERN) – 2015", under the following conditions:

1. **Scientific Area:** Electronics and Instrumentation
2. **Requirements for admission:** The candidate must have a Licentiate Degree in Engineering Sciences - Engineering Physics or related areas, a good level of knowledge in Electronics and Instrumentation, as well as in Nuclear, Radiation and Particle Physics. The experience in the development of test setups in Labview will also be necessary.
3. **Factors preferred:** A good English language level and knowledge of programming languages (Python, C, C++) and operating systems (Linux, Windows). The experience in the development of firmware in VHDL/Verilog for reconfigurable electronics (FPGAs) will also be very welcome.
4. **Work plan:** The project is part of a joint effort, undertaken by Institutions of several countries, to plan and design the upgrade of the Tilecal detector of the ATLAS experiment, in order to handle the 5x increase of the luminosity predicted for the "super" LHC (SLHC). The grant recipient will develop tasks involving the implementation of a dedicated digital control system and a test setup for a high voltage distributor system used in the Tile hadron calorimeter of the ATLAS detector.
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. Fellowships Regulation, in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and FFCUL's Fellowship Regulation, as approved on 22nd December 2014.
6. **Place of work:** The work will be developed at BioISI-Biosystems & Integrative Sciences Institute/Departamento de Física da Faculdade de Ciências da Universidade de Lisboa under the scientific guidance of Professor Guiomar Evans, Assistant Professor at the Dep. de Física da Faculdade de Ciências da Universidade de Lisboa, and researcher at BioISI.
7. **Fellowship duration:** This position is initially opened for 4 months and will begin on June 2016. The fellowship contract may be renewed to more 2 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
8. **Monthly allowance:** The fellowship amounts to € 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 (40%) and the skills above enumerated (60%).
10. **Selection Committee:**

	Name	Professional Status	Institution
1	Guiomar Evans	Assistant Professor, President of the Jury	FCUL and BioISI
2	José Soares Augusto	Associate Professor	FCUL and Inesc-ID
3	Agostinho Gomes	Assistant Researcher	Lab. Inst. Fis. Exp. Partículas



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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 **FFCUL**, 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*.
12. **Deadlines:** This call for applications is open from 11 to 24 of May 2016.
13. **Application:** Applications may be sent via e-mail to ggevans@fc.ul.pt, by attaching the following documents: detailed curriculum vitae; motivation letter; copy of academic study certificates; name and email address of two personal references.
Applications may also be sent by regular mail to Guiomar Evans, Departamento de Física da Faculdade de Ciências da Universidade de Lisboa, C8 bdg – 6th floor, Campo Grande, 1749-016 Lisboa.