



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

### One Research fellowship positions in the field of Optical Instrumentation for Astronomy

A Call for 1 research fellowships (Bolsa de Investigação – Mestre) in the field of Optical Instrumentation for Astronomy is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F. P. (FFCUL)**, for the Instituto de Astrofísica e Ciências do Espaço (IA), in the context of the project FIS/04434 with financial support provided by the FCT/MEC through nacional funds and co-funded by FEDER under the PT2020 agreement, when applicable. This Call is open under the following conditions:

1. **Scientific Area:** Physics Engineering / Optical Instrumentation
2. **Requirements for admission:** The applicant must have completed a master degree. Only applications from candidates having an adequate background in Optics and Physics or other relevant domains, will be considered.
3. **Factors preferred:** Experience with laboratorial assembly and testing.
4. **Work plan:** The successful candidates are expected to pursue research on topics relevant to the participation of IA's Instrumentation team in several strategic projects for ESO (European Southern Observatory) and ESA (European Space Agency), and participate in the construction of state-of-the-art instruments such as ESO-ESPRESSO, ESO-MOONS, ESA-PLATO, etc. Covered topics of work include:
  - Assembly of optical instruments
  - Test of optical elements (transmission, wave front error, etc)
  - Test of opto-mechanics mounts (repeatability, stability, etc)
  - Characterization of optical instruments
  - Development of metrology tools for the alignment and test of optical instruments
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 the Instituto de Astrofísica e Ciências do Espaço, in Lisbon and/or Porto, under the scientific guidance of one of the researchers of the IA Instrumentation Group.
7. **Fellowship duration:** The positions are initially opened for 6 months and will begin on September 2015. The fellowship contract may be renewed up to 42 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P. The fellowship renewal is pending on a favourable interim evaluation of the project FIS/04434.
8. **Monthly allowance:** The fellowship amounts to € 980,00, 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.



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9. **Selection method:** Candidates will be assessed, on a first stage, by the quality of their CV, including degrees, marks and contents of curricular units completed (50%), relevance and success of previous research and laboratorial experience (40%) and Cover Letter (10%). If first candidate is ranked above 80% and second less than 70%, the first candidate will be selected. Otherwise candidates will be required to attend an interview that will weight 50% with 50% of the first stage classification. The contracts will then be offered according to the ordering proposed by the selection committee.
10. **Selection Committee:** Alexandre Pereira Cabral (Chair), Manuel Adler Abreu, João Pinto Coelho.
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 August 5<sup>th</sup>, 2015 to August 18<sup>th</sup>, 2015
13. **Application:** Applications may be submitted through email to [Alexandre.Cabral@ciencias.ulisboa.pt](mailto:Alexandre.Cabral@ciencias.ulisboa.pt), should include the following documents: Cover letter with a brief description of the candidate's experience and motivation; Curriculum Vitae (up to 4 pages) including, if available, a complete list of scientific publications (up to 1 additional page); A complete list of academic courses (University level) previously followed, and respective grades. Documents can be sent in Portuguese or English.