



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

### One Research Fellowship (BPD or BI) in Real-Time Seismology

One Research Fellowship(s) for a PhD or MSc holder is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, in the project NERA "Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation, Grant Agreement number 262330, co-financed by the European Commission under the Seventh Framework Program, under the following conditions:

1. **Scientific Area:** Seismology
2. **Requirements for admission:** PhD or MSc in seismology, geophysics, Earth sciences, physics, computer science, or related fields, solid background in computation, physics and mathematics, interest for real-time computation, risk reduction, and operational seismology.
3. **Work plan:** The research assistant (RA) will implement algorithms for real-time analysis of earthquakes at IPMA, namely algorithms that perform moment tensor inversion, centroid determination and finite-fault parameter estimation (e.g. KIWI, ISOLA). Depending on the RA skills and evolution of the work plan, the RA may also contribute to the implementation of real-time algorithms that evaluate the tsunamigenic potential of an earthquake based on seismic data.
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, and Decree-Law No. 89/2013 of 9 July. And also by the FCT, I.P. Fellowships Regulation of 2013 approved by Regulation No. 234/2012, of June 25, as amended by Regulation No 326/2013 of 27 August 2013, in force ([www.fct.pt/apoios/bolsas/regulamento.phtml](http://www.fct.pt/apoios/bolsas/regulamento.phtml))
5. **Place of work:** The work will be developed at Instituto Dom Luiz / Associated Laboratory, Universidade de Lisboa and at Instituto Português do Mar e da Atmosfera under the scientific guidance of Dr Susana Custódio and Eng. Fernando Carrilho.
6. **Fellowship duration:** This position is initially opened for 4 months and will begin immediately after the candidate is selected. The fellowship contract may be renewed 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. – 2013.
7. **Monthly allowance:** The fellowship amounts to € 1495 (PhD) or € 980 (MSc), 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.
8. **Selection method:** Candidates will be assessed by the quality of their CV (30%) and fit between the applicant's profile and work plan (40 %). The jury will invite candidates for interviews as needed (30%).
9. **Selection Committee:** Dr Susana Custódio (president of the jury), Prof Luis Matias (member of the jury), Dr Pierre Arroucau (member of the jury). Dr Josep Batlló (alternate member of the jury).





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10. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list (by 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. All candidates will be notified of the results of the selection procedure by e-mail.
11. **Deadlines:** This call for applications is open from 5/May to 13/May/2014.
12. **Application:** Applications may be sent via e-mail to [susanacustodio@campus.ul.pt](mailto:susanacustodio@campus.ul.pt), by attaching the following documents: Statement of research, Curriculum vitae, certificates of academic degrees, two letters of recommendation or the contacts of two supervisors willing to provide references. All documents must be in pdf format. Applications may also be sent by mail to Susana Custódio, IDL-Instituto Dom Luiz, Campo Grande, Ed. C8, 3rd floor, 1749-016 Lisbon, Portugal.

