



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

One Research Fellowship in Special Regime

One Research Fellowship in Special Regime is opened at the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, in the project Euro-Venus - European Unified Research on Observations of Venus using co-ordinated Space and Earth-based facilities, Grant Agreement number GA606798, co-financed by the European Commission under the Seventh Framework Programme, under the following conditions:

1. **Scientific Area:** Planetary atmospheres
2. **Requirements for admission:** The applicant must hold a PhD in the area of Astronomy and Astrophysics or related areas. Experience is required with (i) high-resolution spectroscopy data reduction and interpretation, and in particular in wind measurements in planetary atmospheres with ground-based Doppler velocimetry and (ii) the Matlab and IDL computing environments. Previous experience with ground-based observations of planetary atmospheres, knowledge of the Venus bibliography, a high level of motivation and enthusiasm, and excellent communication skills will be valued.
3. **Work plan:** The grant holder will carry out ground-based measurements aimed at characterizing the dynamics of the atmosphere of Venus. The work consists of the acquisition, analysis and interpretation of high-spectral-resolution data of planet Venus. Acquisition and analysis of data conducive to the detection and/or characterization of atmospheres in other planetary bodies will also be envisioned. Prime tasks are (i) the analysis of CFHT/ESPaDOnS and VLT/UVES observations of solar Fraunhofer lines and atmospheric CO₂ visible bands, in order to characterize the atmospheric circulation and its spatial and temporal variability and to determine wind vertical gradients in Venus' atmosphere; (ii) the comparison with dynamics studies based on cloud-tracking and on numerical general circulation modelling.
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.
5. **Place of work:** The work will be developed at *Centro de Astronomia e Astrofísica da Universidade de Lisboa* located at Observatório Astronómico de Lisboa, edifício Leste, Tapada da Ajuda, 1349-018 Lisboa under the scientific guidance of Dr. David Luz
6. **Fellowship duration:** This position is initially opened for 12 months and will begin on January 2014. The grant contract may be renewed to more 12 months, until one total duration of 24 months or eventually until the end date of the project.
7. **Monthly allowance:** The fellowship amounts to € 1800.
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 fellowship will be paid monthly by bank transfer





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8. **Selection method:** Candidates will be assessed by the quality of their CV (40 %), experience and profile (40 %) and possibly also an interview (20%)
9. **Selection Committee:** Drs. David Luz (president), José Afonso (vogal), Marco Grossi (vogal)
10. **Publication/notification of results:** The final results of the evaluation will become public, through grade ordered list 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 17 to 24/12/2013
12. **Application:** Applications may be sent via e-mail to dluz@oal.ul.pt, by attaching the following documents: *Curriculum Vitae (including list of publications), PhD certificate, Licenciatura degree certificate, other degrees certificate (e.g. masters degree), motivation letter and electronic version of PhD thesis.*

