

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

### One Research Fellowship: XGAL

Ref.: RF-XGAL

One Research Fellowship is opened with **Faculdade de Ciências da Universidade de Lisboa**, in the project “From the first galaxies to today's Milky Way: Measuring and Understanding 13 billion years of evolution (XGAL)”, IF/01154/2012/CP0189/CT0010, financed by national funds by FCT / MEC (PIDDAC) under the FCT Investigator Start-up Grant under the following conditions:

1. **Scientific Area:** Astronomy and Astrophysics
2. **Requirements for admission:** M.Sc. in Physics/Astronomy or Astrophysics. Relevant experience in extragalactic astrophysics and stacking and will be greatly valued.
3. **Work plan:** The selected person will work on the analysis of wide field H-alpha and/or Lyman-alpha surveys recently conducted, obtaining clean catalogues of emitters over a few square degrees of extragalactic sky and help with the clustering analysis. The fellow will also perform several stacking analysis (X-rays, radio, FIR), measure spectral lines (from VIMOS/VLT data) and be directly involved in writing refereed papers and telescope proposals. At least 1 observing run to La Palma is planned (to observe at both the INT and WHT telescopes to obtain new data for the project/team), and the fellow is expected to present his/her results in an international and a national (ENAA) conference towards the end of the grant – the costs for all the trips will be fully covered. The research fellow will be fully integrated in the XGAL team (and part of the broader IA Galaxies group – thus working visits to IA-CAUP are also expected), will participate in weekly group meetings and discussions and make significant contributions towards advancing our understanding of how galaxies such as our Milky Way formed and evolved over 13 billion years.
4. **Legislation framework:** Law No. 40/2004, of August 18th, as amended and republished by Decree-Law No. 202/2012 of August 27th, by Decree-Law No. 233/2012 of October 29th, by Law No. 12/2013, of January 29th, and by Decree-Law No. 89/2013 of July 9th and Lisbon University Fellowships Regulation, published by Order (extract) No. 6984/2014 of May 28th.
5. **Place of work:** The work will be developed at the IA - Center for Astronomy and Astrophysics of the University of Lisbon (FCUL) under the scientific guidance of Doctor David Sobral. The fellow will have a desk and a dedicated computer.
6. **Fellowship duration:** This position is opened for 6 months (renewable for further 2 months) and will begin on November 2014.
7. **Monthly allowance:** The fellowship amounts to € 980.00, according to Lisbon University Fellowships Regulation. The scholarship will be paid monthly by bank transfer.



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8. **Selection criteria:** Candidates will be assessed based on (50%): i) research projects during Bsc and Msc; ii) Motivation letter; iii) CV and previous experience and (50%) skype interview.
9. **Selection Committee:** David Sobral (President), Jesse van de Sande (1st effective member), Polychronis Papaderos (2<sup>nd</sup> effective member), Hugo Messias (1<sup>st</sup> alternate member) and José Coutinho Afonso (2<sup>nd</sup> alternate member).
10. **Publication/notification of results:** The final results of the evaluation will become public, through a final grade ordered list which will be posted at the entrance hall of **Faculdade de Ciências da Universidade de Lisboa**, C3 bdg – 3<sup>rd</sup> 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 October 3, 2014 to October 16, 2014.
12. **Application:** Applications may be sent via e-mail to [candidaturas@ciencias.ulisboa.pt](mailto:candidaturas@ciencias.ulisboa.pt), with the subject “RF-XGAL”, by attaching the following documents: I) Curriculum Vitae, ii) Motivation letter addressing all the selection criteria and major results of past research projects and iii) certificates of academic degrees.