



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

1 Special Regime Research Fellowship for a Bachelor (BS) /First Degree (Licenciatura) or a Master Degree

One (1) Special Regime research fellowship for a Bachelor /First Degree (Licenciatura) or a Master Degree holder is open at the FCIências.ID – Associação para a Investigação e Desenvolvimento de Ciências, as part of the "Enabling Weak Lensing Cosmology" (EWC) project, Grant Agreement No. 776247, funded by the European Commission under the H2020 European Programme, according to the following conditions:

1. **Scientific area:** Astrophysics and Cosmology
2. **Requirements for admission:** The candidate must hold a Bachelor of Science (BSc)/First Degree (Licenciatura) or a Master of Science (MSc) degree, and have fluency in English.
3. **Preferential factors:** Preference will be given to candidates enrolled in a Master of Science (MSc) programme at FCUL who have already completed all their first-year MSc courses, and to candidates with competences in programming in Python.
4. **Work plan:** This project consists of preparatory work to characterize the systematic effects (noise) that will affect the future data produced by the Euclid Space Mission. The ultimate goal of the project is to measure the shape distortion signal from Euclid simulations, since this is the signal that contains cosmological information. This project will require the candidate to understand and model the impact of the various image simulation parameters on the shape distortions. This project will also inform the scientific community on how to calibrate the shape distortion signal against variations on the image-production procedure. This way, this project will directly contribute to the quality of the future Euclid cosmological data. This project might also include other tasks, as part of the Lisbon pole commitment to the EWC project.
5. **Legislation framework:** Statute of the Scientific Research Fellowship, in accordance with Law 40/2004 of 18 August, as amended and republished by Decree-Law no. 202/2012 of 27 August, as amended by Decree-Law No. 233/2012 of 29 October, by Law No. 12/2013 of January 29, by Decree-Law No. 89/2013 of 9 July, and also by the Foundation for Science and Technology (FCT) IP Fellowship Regulation in force (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT.pdf>) and by the FCIências.ID Fellowship Regulation, as approved on 23 February 2017.
6. **Place of work:** The work will be carried out at the IA, Faculty of Sciences of the University of Lisbon (FCUL), under the scientific guidance of Dr Ismael Tereno and Dr Carla Sofia Carvalho.
7. **Fellowship duration:** This position is initially opened for 6 months and will begin in September 2019. The fellowship contract may be renewed for 6 more months, in accordance with the provisions of Regulation of Research Fellowships from FCT IP.
8. **Monthly allowance:** The fellowship corresponds to a monthly income in the range between 752.38€ and 989.70€ depending on the academic degree of the candidate. The fellowship holder will benefit from a personal accident insurance and, if not covered by any social protection scheme, will be able to ensure the right to social security through adherence to the voluntary social insurance scheme, according to the Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social. The fellowship will be paid monthly by bank transfer.
9. **Selection method:** The candidates will be evaluated by the quality of their CV (60%) and motivation letter (40%). Short-listed (top three) candidates will be invited by e-mail for an in-person or online interview (100%).





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10. **Selection Committee:** The jury will consist of Carla Sofia Carvalho (President), Ismael Tereno (effective member), António da Silva (effective member), Nelson Nunes (substitute member) and Fernando Buitrago (substitute member).
11. **Publication/notification of results:** The final results of the evaluation will be made public, in the form of a list ordered by final grade obtained, which will be posted at the entrance hall of the FCIências.ID, 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 14 August 2019 to 26 August 2019.
13. **Application:** Applications must be sent via e-mail to cscarvalho@oal.ul.pt by attaching the following documents: Curriculum Vitae, motivation letter (including motivation, short description of research interests, educational/research projects), certificate of the latest degree and other documents considered relevant.

NOTE: Please note that Degrees obtained in foreign countries need a Portuguese Recognition certificate issued by a Portuguese high degree Institution, according to the [Decree-Law No. 66/2018](#) of 16 August and the [Ministerial Order No. 33/2019](#) of 25 January. The presentation of such certificates is mandatory for contract signature. More information can be obtained in: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.

