

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

1 Research Fellowship for a Master Student

1 Research Fellowship(s) (BI) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution CERN/FIS-PAR/0033/2019, 1, financed by national funds by FCT / MCTES (PIDDAC) under the programme Scientific and Technological Research Projects under the agreement between Portugal and the European Laboratory for Particle Physics (CERN) -2019, under the following conditions:

1. **Scientific Area:** Electronics and Instrumentation
2. **Requirements for admission:** The candidate must be an Integrated Master Student in Engineering Sciences – Engineering Physics or related areas, a good level of knowledge in Electronics and Instrumentation. The experience in PCB design CAD tools (Altium) and development of test setups in Raspberry Pi environment will also be necessary.
3. **Additional optional skills and qualifications:** A good English language level and knowledge of programming languages (Python, C, C++) and operating systems (Linux, Windows).
4. **Work plan:** The project is part of a joint effort, undertaken by Institutions of several countries, to plan and design the upgrade of the Tilecal detector of the ATLAS experiment. The grant recipient will develop tasks involving the PCB design of a functional tester board for the dedicated high voltage distributor system, used in the Tile hadron calorimeter of the ATLAS detector, and the development of the respective tests setup.
5. **Legislation framework:** Research Fellowship Holder Statute, in accordance with Law 40/2004, of 18 August, in its current version and the FCT Regulation for Research Studentships and Fellowships, in its current version (Reg. 950/2019 published in DR on 16th December: <https://dre.pt/application/file/a/127230968>, or at the FCT website: <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>), and FCiências.ID Fellowship Regulation, as approved on 12th May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](#)).
6. **Place of work:** The work will be developed at the Laboratório de Electrónica e Instrumentação do Departamento de Física da Faculdade de Ciências da Universidade de Lisboa under the scientific supervision of Professor Guiomar Evans, Assistant Professor at the Departamento de Física da Faculdade de Ciências da Universidade de Lisboa (FCUL), and researcher at the Instituto de Biofísica e Engenharia Biomédica (IBEB).
7. **Fellowship duration:** This position is initially opened for 3 months and will begin on March 2021.
8. **Monthly allowance:** The fellowship amounts to € 805.98 ,according to [table values](#) of the fellowships awarded directly by the FCT, IP. The fellowship holder will have a personal accident insurance and can ensure the right to social security through adherence to the voluntary social insurance scheme, if not covered by any other social protection scheme, pursuant to *Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social*. The fellowship will be paid monthly by bank transfer.
9. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV 40% and the skills above enumerated (60%).

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10. **Selection Committee:**

Guiomar Evans, Assistant Professor, President of the Jury, FCUL and IBEB;
Agostinho Gomes, Assistant Researcher, Lab. Inst. Física Exp. Partículas (LIP);
Ricardo Gonçalo, Assistant Professor, Dep. Física Faculdade Ciências da Universidade de Coimbra, Researcher at LIP;
(Substitute) José Soares Augusto, Associate Professor, FCUL and Inesc-ID.

11. **Publication/notification of results:** All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.

12. **Deadlines:** This call for applications is open from 11/02/21 to 24/02/2021 .

13. **Application:** Applications should be sent via e-mail to ggevans@ciencias.ulisboa.pt, by attaching the following documents:

- a. Curriculum vitae;
- b. Certificate of completion of previous degree;
- c. Proof of registration in the study cycle that confers the requested degree in this call;

14. **Time limits for the appeal procedure:** In case of negative decision, the candidates have 10 business days, after the date of announcement of the results of the candidates evaluation, to pronounce their disagreement in accordance with the *Código do Procedimento Administrativo*. Appeals against the final decision may be submitted to the Administration Board of FCIências.ID (fciencias.id@fciencias-id.pt) within 15 business days after the notification date

Note 1: The documents that prove the entitlement of the academic qualifications and diplomas, or the proof of registration in the academic degree or diploma requested on the call, can be dismissed during the application period and replaced by a declaration on their honour from the applicant. Their delivery is mandatory during the fellowship contractualization.

NOTE 2: Please note that - higher education degrees and diplomas awarded by foreign higher education institutions need to be recognized by a Portuguese higher education institution, pursuant to the [Decree-Law nr. 66/2018](#) (August 16) and the [Ministerial Order nr. 33/2019](#) (January 25). The presentation of the recognition certificate is mandatory for contract signature. More information can be obtained at: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.