

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

### 1 Research Fellowship (BI) for a PhD 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 THOR - Computer Assisted Thoracic Assessment using POCUS, DSAIPA/AI/0083/2020, financed by national funds by FCT / MCTES (PIDDAC) under the programme AI 4 COVID-19: Ciência dos Dados e Inteligência Artificial na Administração Pública para reforçar o combate à COVID 19 e futuras pandemias - 2020, under the following conditions:

1. **Scientific Area:** Biomedical engineering, Computer science/engineering, Data Science/Engineering
2. **Requirements for admission:** MSc degree in biomedical engineering, computer science/engineering, data science/engineering or related fields.
3. **Contracting requirements:** Enrolment in a PhD
4. **Additional optional skills and qualifications:** Previous hands-on experience in image, video and/or signal processing and analysis; experience with machine-learning/deep learning algorithms. Experience with deployment of machine-learning/deep learning models is desirable. Goal of pursuing PhD studies on this topic is strongly preferred.
5. **Work plan:** The Fellow will be responsible for developing a solution for point-of-care ultrasound (POCUS) probe positioning, screening and assessment of pulmonary infectious diseases, in particular for supporting COVID-19 diagnosis. This task includes video and still image processing and analysis using machine-learning/deep learning algorithms.
6. **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 16<sup>th</sup> 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 12<sup>th</sup> May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](#)).
7. **Place of work:** The work will be developed at the IBEB - Institute of Biophysics and Biomedical Engineering and at LASIGE - Large-Scale Informatic Systems Laboratory of FCUL under the scientific supervision of Professor Hugo Alexandre Ferreira and Prof. Alcides Fonseca.
8. **Fellowship duration:** This position is initially opened for 3 months and will begin on June 2021. The fellowship contract may be potentially renewed for until the end of the project months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
9. **Monthly allowance:** The fellowship amounts to € 1104.64 ,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.

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10. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV (50%) and Interview (20%), tests of knowledge (20%), motivation (5%) and recommendation letters (5%).
11. **Selection Committee:** Hugo Ferreira (President), Alcides Fonseca, Miguel Coimbra, Filipe Gonzalez (alternate).
12. **Publication/notification of results:** All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.
13. **Deadlines:** This call for applications is open from 18/05/21 to 15/06/2021.
14. **Application:** Applications should be sent via e-mail to [hugoferreira@campus.ul.pt](mailto:hugoferreira@campus.ul.pt) , by attaching the following documents:
  - a. Curriculum vitae;
  - b. Certificate of completion of previous degree;
  - c. Motivation and recommendation letters
15. **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](mailto: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. If not requested in the requirements for admission, the proof of registration in the academic course requested on the call is mandatory for contract signature.

**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>.