

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

One Research Fellowship for Graduate

Ref.^a 554.1– 1BI-Lic PREDICT_nov2019

One (1) Research Fellowship for Graduate (“Licenciado”) is open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project PREDICT - Personalized therapy for rheumatic diseases via machine learning, PTDC/CCI-CIF/29877/2017, financed by national funds by FCT / MCTES (PIDDAC) under the Programme All Scientific Domains, under the following conditions:

1. **Scientific Area:** Computer Science

2. **Requirements for admission:**

- BSc (“Licenciatura”) in Computer Science or related scientific area;
- Extensive knowledge of Machine Learning libraries;
- Experience in implementation of GP methods.

3. **Factors preferred:**

- Registration in a MSc course in Computer Science or related area;
- Knowledge of Python, Java and C++;
- Experience with the Google cloud;
- Previous participation in research projects involving GP;
- Fluency in English language, spoken and written.

4. **Work plan:** Mining the large, feature-rich, heterogeneous, noisy, incomplete, and multivariate time series arising from electronic medical records (EMR) is a very hard problem. The aim of project PREDICT is to propose cutting-edge machine learning techniques to address the problems emerging from EMR mining. The envisaged methods will be ultimately applied in therapy selection of rheumatic diseases. The selected candidate will develop and apply classification and estimation methods to the data provided by the project, particularly methods based on Genetic Programming, and compare the results obtained by different approaches.

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, 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, in force (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT.pdf>) and **FCiências.ID** Fellowship Regulation, as approved on 23rd February 2017.

6. **Place of work:** The work will be developed at LASIGE, Faculty of Sciences of the University of Lisbon under the scientific guidance of Professor Sara Silva .

7. **Fellowship duration:** This position is opened for **3** months and will begin on January, 2020, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.

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8. **Monthly allowance:** The fellowship amounts to €752.38, according to table values of the fellowships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>).
The fellowship 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.
9. **Selection method:** Candidates will be assessed based on their CV. Only candidates with scores higher than 75% in the CV evaluation will be considered.
10. **Selection Committee:** Sara Silva, FCUL (President), Sara Madeira, FCUL (1st Effective Member), Leonardo Vanneschi, NOVA IMS (2nd Effective Member), Cátia Pesquita, FCUL (1st Alternate Member) and Mauro Castelli, NOVA IMS (2nd Alternate Member).
11. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list *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 bldg – 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 2nd to 13th December 2019.
13. **Application:** Applications may be sent via e-mail to sara@fc.ul.pt or sara4silva5@gmail.com, by attaching the following documents: Curriculum vitae, certificate 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 nr. 66/2018](#), of august 16th and the [Ministerial Order nr. 33/2019](#), of January 25th. 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>.