Call for awarding one Research Fellowship

Ref. RF-1PhD-GM3

One Research Fellowship is available with **Faculdade de Ciências da Universidade de Lisboa**, in the Project *"Putting Genetic Programming on the map of Machine Learning for data mining (GM3)"*, IF/00039/2013, financed by national funds by Fundação para a Ciência e a Tecnologia, I.P. (FCT), under the FCT Investigator Development Grant, under the following conditions:

1.   **Scientific Area**: Computer Science

2.   **Requirements for admission**:
Mandatory:
− Doctoral degree in Computer Science or related scientific area;
− Fluent in English, both spoken and written;
− Good knowledge of Evolutionary Algorithms.

Preferential:
− Experience in Java programming;
− Experience in C++ programming;
− Previous participation in scientific projects;
− Knowledge of the MATLAB programming environment.

3.   **Work Plan:**
GM3 is a small practical project aimed at making Genetic Programming (GP) better known and recognized in the wider community of Machine Learning (ML). Among its goals are the implementation of GP in popular open-source ML software packages, and the participation in ML competitions using GP based solutions. The chosen candidate is expected to: acquire a general understanding of the current state of GP research from the published literature; study and test the efficiency of different combined GP techniques; implement or advise on the implementation of an efficient user-friendly product to be integrated in at least one popular ML package (e.g., Weka). In addition, the chosen candidate should also integrate a small team that will participate in ML competitions (e.g., Kaggle).

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. 6977/2015 of June 23th (https://dre.pt/application/file/67564222).

5. **Place of work**: The work will be developed at Faculdade de Ciências da Universidade de Lisboa.

6. **Scientific supervision:** Sara Silva, sara@fc.ul.pt

7. **Fellowship duration**: This fellowship is opened for 6 months, renewable until a maximum period of 12 months, which includes the first period. It is expected to begin in February/March 2017.

8. **Monthly allowance**: The fellowship amount to € 1.495, according to Lisbon University Fellowships Regulation (https://dre.pt/application/file/67564222). It will be paid monthly by bank transfer.

9. **Selection criteria**: Candidates will be assessed based on their CV. The CV must include one page containing a short summary of the scientific activities developed so far, as well as a short plan for future career development.
Only candidates with scores higher than 75% in the CV evaluation will be considered. Additionally, an interview (0-50%) may be conducted if deemed necessary. The final classification will be the arithmetic average of CV assessment and interview.

10. **Selection Committee**: Sara Silva, FCUL (President), Luís Correia, FCUL (1st Effective Member), Leonardo Vanneschi, NOVA IMS (2nd Effective Member), Rob Mills, Fundação da 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 a final grade ordered list which will be posted at the entrance hall of Faculdade de Ciências da Universidade de Lisboa, C4 bdg, Campo Grande, 1749-016 Lisboa.
All applicants will be notified of the results of the evaluation to the email address used for sending the respective application, or by post to the applicant's address.

12. **Deadlines**: This call for applications is open from 17th to 30th January, 2017.

13.   **Application:** Application may be sent via e-mail to candidaturas@ciencias.ulisboa.pt, with the subject "**RF-1PhD-GM3**", or personally, during office hours (9.00 a.m. to 4.00 p.m.), at the office address of Núcleo de Expediente da Faculdade de Ciências da Universidade de Lisboa, Edifício C5, piso 1, Campo Grande, 1749-016 Lisboa, until the deadline, by attaching the following documents:

- **In the case of being Portuguese citizen,** copy of identification document (ID or citizen card);
- **In the case of not being Portuguese citizen,** copy of identification document (ID card or passport) as well as residence authorization, permanent residence authorization or long-term resident status, if applicable;
- If you agree to be notified for your post address, please send obligatorily the declaration annexed to this Notice;
- Certificates of qualifications of all obtained academic degrees, with final ranking;
- Curriculum Vitae, detailed and updated, stating obligatorily the full candidate's address. The CV must include one page containing a short summary of the scientific activities developed so far, as well as a short plan for future career development;
- Document of employment status, indicating the nature of the bond and functions; this document can be replaced by a declaration under honor commitment if there is any professional activity or the provision of services;
- Cover letter;
- Optionally, letters of recommendation.

DECLARATION

_____ (name of the candidate), declare that if the selection jury chooses to communicate and or notify applicants by e-mail, I agree that such communications and or notifications are made to the email address used for submission of my application.

(Date)

(Signature)