



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

One Research Fellowship

One Research Fellowship for PhD is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the project/R&D institution “Centro de Matemática, Aplicações Fundamentais e Investigação Operacional (CMAF-CIO)”; MAT/04561, with financial support provided by the FCT/MCTES through National funds and co-funded by FEDER under the PT2020 agreement, when applicable, under the following conditions:

1. **Scientific Area:** Continuous and discrete time functional equations
2. **Requirements for admission:** PhD in Mathematics and research experience in the area mentioned in the preceeding paragraph. Good knowledge of written and spoken English. It is expected that applicants are willing to work in a team and possess good communication skills.
3. **Work plan:** The purpose of the task is to investigate 1) the asymptotic behaviour of solutions for some classes of non-autonomous delay differential equations used as models in mathematical biology, with emphasis on questions of persistence and permanence of such models; and/or 2) general fractal structures and their relation to dynamical systems and associated functional equations, including systems with motivation in biomathematics.
The candidate shall submit a research project along the lines suggested by the above description. See also the research carried out in CMAF-CIO in the area of Delayed Differential Equations or Dynamical Systems <http://cmafcio.campus.ciencias.ulisboa.pt/node/11>.
4. **Legislation framework:** A fellowship contract will be celebrated according to the regulations defined by FCT “Regulations for Advanced Training and Qualification of Human Resources”, 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 (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and FFCUL’s Fellowship Regulation, as approved on 22nd December 2014.
5. **Place of work:** The work will be developed at CMAF-CIO within the research group Ordinary Differential Equations and Dynamical Systems, supervised by Professor Teresa Faria and/or Professor Jorge Buescu.
6. **Fellowship duration:** This position is initially opened for 6 months and will begin on October 2016. The fellowship contract may be renewed to another 8 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
7. **Monthly allowance:** The fellowship amounts to € 1495 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.
8. **Selection method:** Candidates will be assessed by the quality of their CV (50%), quality of research proposal (20%), matching of the proposal with host research activity (20%), interview - if the evaluating committee finds it necessary - (10%). During the selection procedure, candidates may be asked to be interviewed (possibly via conference call).
9. **Selection Committee:** Chairman: Luís Sanchez Rodrigues; Member 1: Teresa Faria; Member 2: Jorge Buescu.



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

10. **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 **FFCUL**, 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*.
11. **Deadlines:** This call for applications is open from 5 September 2016 to 16 September 2016
12. **Application:** Applications may be sent via e-mail to cmafcio@ciencias.ulisboa.pt by attaching the following documents: Curriculum vitae including list of publications (max 3 pages), copy of PhD certificate, motivation letter (1 page), research plan (max 4 pages). In addition two reference letters from senior researchers must be sent directly to the same e-mail address. Documents must be named as cv.name.surname.diff, phd.name.surname.diff, letter.name.surname.diff, rp.name.surname.diff .