



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

One Research Fellowship

One Research Fellowship for Master 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:** Mathematical Biology: population biology and epidemiology
2. **Requirements for admission:** Master degree 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. **Factors preferred:** Advanced stage of PhD studies.
4. **Work plan:** The task presupposes a good knowledge in population biology, especially epidemiology, combining profound insight into stochastic processes, modeling and statistical analysis of vaccine efficacies, and approximation techniques of stochastic processes for fast computational evaluation of numerical likelihood functions (like Kramers-Moyal expansion and semi-classical approximations).

The candidate is expected to propose a plan to develop new tools for future scientific applications nationally and internationally. See the information on the ongoing research at CMAF-CIO in the area of Biomathematics and Statistics at <http://cmafciio.campus.ciencias.ulisboa.pt/node/14>.

5. **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.
6. **Place of work:** The work will be developed at CMAF-CIO within the research group Biomathematics and Statistics, supervised by Professor Nikolaus Stollenwerk.
7. **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.
8. **Monthly allowance:** The fellowship amounts to € 980 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 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).



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

10. **Selection Committee:** Chairman: Luís Sanchez Rodrigues; Member 1: Nikolaus Stollenwerk; Member 2: Teresa Faria.
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 **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*.
12. **Deadlines:** This call for applications is open from 5 September 2016 to 16 September 2016
13. **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 master 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.bio, phd.name.surname.bio, letter.name.surname.bio, rp.name.surname.bio .