

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

One Post-Doctoral position in Mathematical Biology financed by the EU Project DENFREE under Framework Program 7 (FP7).

One Post-Doctoral position is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, at the Mathematical Biology Group at the Centro de Matemática e Aplicações Fundamentais (CMAF), in the DENFREE project, financed by the European Commission, **the EU Project DENFREE**, under **Framework Program 7 (FP7)**, with the following conditions:

- 1. Scientific Area:** Applied Mathematics/Mathematical Biology. The position is in the area of modeling and data analysis applied to dengue fever epidemiology.
- 2. Requirements for admission:** We offer one position which should cover experience in mathematical modelling, stochastic processes and diffusive and super-diffusive epidemiological systems. Experience in statistical data analysis and spatial spreading of dengue infections are also desired. Suitable candidates should hold a degree in either theoretical biology, mathematics, computer science or a related field. She or he should also have completed (or be about to complete) a PhD in Population Biology, Life Sciences, Mathematics, or Physics, with the subject of the thesis relevant to the project description above.
- 3. Work plan:** the DENFREE project has a large emphasis on medical research and it is under the heading of Pasteur Institute, Paris. The CMAF group, under the leadership of Nico Stollenwerk as the Principal Investigator of the Group of Mathematical Biology, will manage a work packed on mathematical modeling of spreading of dengue fever and its data analysis of potentially complex dynamics.
- 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 of 2013 approved by Regulation No. 234/2012, of June 25, as amended by Regulation No 326/2013 of 27 August 2013, in force (www.fct.pt/apoios/bolsas/regulamento.phtml)
- 5. Place of work:** The work will be developed at Centro de Matemática e Aplicações Fundamentais, Lisbon University under the scientific guidance of Professor Nico Stollenwerk.
- 6. Fellowship duration:** This position is initially opened for 6. months and will begin on July 2014. The fellowship contract may be renewed to more 6 months, or eventually until the end date of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P. – 2013.
- 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 Curriculum, background in the specific research areas of the project, and interview, weighted 40%, 30%, and 30% respectively. The candidates' final classification is given on a numerical scale from 0 to 100.*

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9. **Selection Committee:** Members of committee responsible for selection include: Professor Nico Stollenwerk (President of the Jury), Dr. Maíra Aguiar (DENFREE, EU project under FP7) and Prof. Luis Sanchez (Coordinator of CMAF, Lisbon University).
10. **Publication/notification of results:** *The final results of the evaluation will become public through the final classification and ranking list which will be posted at the entrance hall of the **Fundação da Faculdade de Ciências da Universidade de Lisboa**, located at the Faculdade de Ciências da Universidade de Lisboa, C1 bdg – 3rd floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by email.*
11. **Deadlines:** This call for applications is open from from 2014-05-28 to 2014-06-12.
12. **Application:** *Applications may be send via e-mail to Nico Stollenwerk (nico@ptmat.fc.ul.pt) or to the Mathematical Biology Group in CMAF (biomathgroup@gmail.com). Applicants should send a detailed CV, a presentation letter and a copy of their most relevant publications. Applications may also be sent by mail to Prof. Nico Stollenwerk, Av. Prof Gama Pinto, 2. Postal code:1649-003, Lisbon, Portugal.*