



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

Two Research Fellowships

Two Research Fellowships for PhD are 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:** Geometry and Geometric Analysis.
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:** 1. Advanced research on Willmore surfaces, Willmore energy of a compact, oriented Riemannian surface immersed in R^3 , constrained Willmore surfaces, isothermic Willmore surfaces in 3-dimensional space as minimal surfaces in some 3-dimensional space-form; relation with conformal geometry.
2. Advanced research on geometrical analysis, including in particular, at least two of the following topics: evolution surfaces with constraints, Geometric flows, Willmore flow, Ricci flow, Ricci solitons, Ricci bounds, conical singularities, minimal surfaces, min-max methods, heat flow in metric measure spaces with applications in Geometry.
Each candidate will submit a research project along the lines suggested by the above descriptions, specifying which point of the work plan is preferred. See also the research carried out in CMAF-CIO in the area of Geometry <http://cmafcio.campus.ciencias.ulisboa.pt/node/10>.
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 Geometry, supervised by Professor Teresa Monteiro Fernandes (plan 1.) or Professor José Francisco Rodrigues (plan 2.).
6. **Fellowship duration:** This position is initially opened for a period between 6 up to 12 months and will begin on October 2016. The fellowship contract may be renewed to negotiable periods, 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).



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9. **Selection Committee:** Chairman: José Francisco Rodrigues; Member 1: Teresa Monteiro Fernandes; Member 2: Carlos Florentino.
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 29 August to 9 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.geo, phd.name.surname.geo, letter.name.surname.geo, rp.name.surname.geo