



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

### Two Postdoc fellowships

Two Postdoc Fellowships for PhD are open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, FP (FFCUL)**, for the project CFTC - Centro de Física Teórica e Computacional da Universidade de Lisboa, FIS/0618, with financial support from the funding framework in force (the financial support of FCT / MEC through national funds and when applicable co-financed by the FEDER under the PT2020, under the following conditions:

1. **Scientific Area:** Physics;
2. **Requirements for admission:** PhD in Physics (< 10 years);
3. **Factors preferred:** research experience in numerical simulations, complex fluids, non-linear dynamics, and stability diagrams;
4. **Work plan:** Complex classical fluids, such as liquid crystals or colloidal suspensions, are soft as they are characterized by large responses to small external perturbations. The project is focused on the complex dynamics of these fluids and aims at combining particle-based simulations and coarse-grained continuum models to study the non-linear response of complex fluids to external fields and identify solitons, waves, and dynamic instabilities.
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 22<sup>nd</sup> December 2014.
6. **Place of work:** The work will be carried out at the Centro de Física Teórica e Computacional da Faculdade de Ciências da Universidade de Lisboa, under the scientific guidance of Professor Margarida Maria Telo da Gama and Professor Vladimir Konotop.
7. **Fellowship duration:** These positions are for 6 months each and will begin on April 2016, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P. The fellowship contract cannot be renewed beyond the end of the project.
8. **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.
9. **Selection method:** Candidates will be assessed by the quality of their CV, including research experience in the area of the project (75%) and letter of motivation and skype interview (25%). Each component will be evaluated on a scale 0-20.
10. **Selection Committee:** Margarida Telo da Gama (president), Vladimir Konotop, Nuno Araújo (members), José Maria Tavares, and Paulo Ivo Teixeira (supplementary members).



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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 – 3<sup>rd</sup> floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by email.
12. **Deadlines:** This call for applications is open from February 17<sup>th</sup> to March 1<sup>st</sup>.
13. **Application:** Applications may be sent via e-mail to [mmgama@fc.ul.pt](mailto:mmgama@fc.ul.pt), by attaching the following documents: Curriculum vitae, degree certificates, letter of motivation and at least two letters of recommendation.