

CALL FOR 1 RESEARCH POST-DOCTORAL FELLOWSHIPS AT AN R&D INSTITUTION

1 Post-Doctoral Fellowships (BPD) in Systems Biology – Physics

One post-doctoral fellowships (Bolsa de pós-doutoramento) for PhD holders are open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa F.P. (FFCUL)**, at BioISI - Biosystems and Integrative Sciences Institute, in the scope of BioISI post-doctoral programme in the Thematic Lines of Biomedicine; Biotechnology & Bioresources; Condensed Matter & Biological Physics; and Bioinformatics & Modelling Multi/04046, with financial support provided by the FCT/MEC through National funds and co-funded by FEDER under the PT2020 agreement, when applicable, under the following conditions:

1. **Scientific Area:** Systems Biology (sub-areas of Biomedicine; Condensed Matter & Biological Physics; and Bioinformatics & Modelling).

2. **Requirements for admission:**

Candidates should be holders of a **PhD degree** in the following (or related) areas: Physics

3. **Factors preferred:**

Candidates with experience in C/C++ programming and knowledge of computational statistical physics and / or experience in molecular simulation will be preferred. Candidates should be prepared to face new challenges, have an interest in establishing innovative techniques as well as to work in interdisciplinary projects bridging different research areas in an international stimulating research environment.

4. **Work plan:** Work will focus on an interdisciplinary project targeted at studying the physical basis of dialysis related amyloidosis and it integrates the following areas: Biomedicine; Condensed Matter & Biological Physics; and Bioinformatics & Modeling. Research will combine theoretical predictions from molecular simulations with experimental verification via AFM experiments. For this position there will be two BioISI affiliation groups: Physics of Biological Systems and Magnetic Nanosystems.

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 BioISI - Biosystems and Integrative Sciences Institute, at one of the BioISI hosting institutions.

7. **Fellowship duration:** This position is open for 6 months and will begin on **15th April 2016**, with up to **18 months** extension, 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.

8. **Monthly allowance:** The amount of the scholarship amounts to € 1.495, according to table values of the fellowships awarded directly by the FCT, IP in the country (<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 (70%) and experience in the required methodologies (20%) and possibly also an interview (through Skype for non-residents) (10%).

10. **Selection Committee:** Prof. Margarida Amaral (President), FCUL; Prof. Margarida Godinho (Vogal), FCUL; Prof. Luis Correia, FCUL ("Vogal"); Prof. Rui Malhó, FCUL ("Vogal"). (Substitute "Vogais": Prof Rogério Tenreiro; Dr. Astrid Vicente; Prof. Margarida Gama-Carvalho, Prof. Patrícia Faísca).

11. **Publication/notification of results:** The final results of the evaluation will become public, through alphabetically ordered list (selected or rejected) which will be posted at the entrance hall of the **FFFCUL**, 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. **Deadline:** This call for applications is open from **15th – 29st March 2015**

13. **Application:** Applications may be filed via e-mail bioisidirector@fc.ul.pt, attaching the following documents:
1) a motivation letter; 2) CV with list of publications and description of methodological expertise relevant to this application and to the Thematic Line; 3) two reference letters by people well acquainted with the work of the candidate.