

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

### 1 Post-Doctoral Fellowships (BPD) – Biomedical Sciences/Mechanisms of Disease

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 the Functional Genomics and Proteostasis Research Group (FunGP) of BioISI - Biosystems and Integrative Sciences Institute, in the scope of the project: "**DiffTarget**-Novel Factors of CFTR Traffic Related to Epithelial Cell Differentiation: Potential Therapeutic Targets for Cystic Fibrosis" (PTDC/BIM-MEC/2131/2014); financed by national funds by FCT / MCTES (PIDDAC) under the Programme *All Scientific Domains*, under the following conditions:

1. **Scientific Area:** Biomedicine / Disease Mechanisms (sub-areas of: Molecular & Cell Biology/ Genomics).

2. **Requirements for admission:**

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

3. **Factors preferred:**

Candidates with strong skills in fluorescence microscopy, electrophysiology and biochemistry of membrane proteins will be favoured; they should have an interest in establishing innovative techniques and enjoy working in an international stimulating research environment. Candidates should have an interest in establishing innovative techniques as well as to work in interdisciplinary projects bridging different research areas.

4. **Work plan:** Work will focus on the identification of factors affecting both the traffic of CFTR (Cystic Fibrosis-related membrane protein) and epithelial differentiation by a high-throughput microscopy screening approach. Methodologies to be used include: microscopy (high-throughput and live-cell imaging); biochemical techniques (Westerns, cell-surface biotinylation) and electrophysiological (Ussing chamber and patch-clamp) approaches for both the biochemical and functional characterization of the functional interaction of traffic factors and differentiation. The successful candidate will work in an international team aiming to elucidate the molecular mechanisms underlying the genetic disease Cystic Fibrosis (CF) and the search for novel drug targets.

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 mostly developed at the Functional Genomics and Proteostasis Research Group (FunGP) of BioISI - Biosystems and Integrative Sciences Institute, Faculty of Sciences of the University of Lisboa, C8 bldg, Campo Grande, under the scientific guidance of Professor Margarida Amaral, with possible stays abroad, namely at EMBL-European Molecular Biology laboratory (Heidelberg, Germany).

7. **Fellowship duration:** This position is open for 6 months and will begin on **June 2016**, with up to **2 and a half years** extension (up to a total of 36 months), 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 (50%) and experience in the required methodologies (40%) and possibly also an interview (through Skype for non-residents) (10%).
10. **Selection Committee:** Prof. Margarida Amaral (President), FCUL; Prof. Rui Malhó, FCUL ("Vogal"); Prof. Carlos Farinha, FCUL ("Vogal"). (Substitute "Vogais": Prof. Margarida Gama-Carvalho, FCUL and Prof. Margarida Telhada, FCUL).
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 bdg – 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 **25<sup>th</sup> of May to 08<sup>st</sup> of June 2016**.
13. **Application:** Applications may be filed via e-mail [bioisidirector@fc.ul.pt](mailto: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; 3) two reference letters by people well acquainted with the work of the candidate.