



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

Two Post-doctoral Research Fellowships

Two Post-doctoral Research Fellowships (BPD) are open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the R&D institution Centro de Química e Bioquímica da Universidade de Lisboa, MULTI/00612, one for the thematic line “Chemistry and Biochemistry for a Clean Environment” and one for the thematic line “Chemistry and Biochemistry for a Healthy Ageing”, 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:** Chemistry, Biochemistry or related areas.
2. **Requirements for admission:** PhD in Chemistry, Biochemistry or related areas (< 15 years); satisfying FCT reference criteria for the definition of an Integrated Member.
3. **Factors preferred:** Research experience and scientific autonomy in several of the methods and techniques required for the project, and in the topic clean environment (fellowship 1)/healthy ageing (fellowship 2), as attested by international peer-reviewed publications in high impact scientific journals, preferably as first and corresponding author; successful experience in grant applications; supervision experience; experience in research applications (e.g., patents).

4. **Work plan:**

Fellowship 1: To obtain detailed information about relevant pollutants, their impact and degradation. To use available solid porous materials to study adsorption/degradation patterns of previously selected molecules, using several techniques, and identify their degradation products in aqueous media. To improve/develop new multifunctional materials with (photo)(electro)catalytic properties, integrating their design and synthesis with the structural and physical characterization within the goals of the thematic line.

Fellowship 2: To establish a portfolio of phytochemicals and synthetic derivatives relevant in the Healthy Ageing context. To determine (bio)physical and (bio)(electro)chemical properties of the compounds and establish structure-activity relationships. To participate in the evaluation of their digestion, absorption and metabolism, and collaborate in their separation and analysis in natural sources. Biochemical studies of redox regulation by those compounds are also envisioned, which may involve molecular biology, “omics” and cell physiology approaches.

The holder of each position is expected to search and apply for additional funding to develop the project and to dialogue autonomously and collaborate with all groups of CQB involved in the different tasks. He(he) is also expected to recruit master and undergraduate students from the graduation and post-graduation programs in which CQB members are involved to develop the project.

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 Centro de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa, under the scientific guidance of Dr. Carla D. Nunes (fellowship 1) and Dr. Rodrigo F. M. de Almeida (fellowship 2).



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7. **Fellowship duration:** This position is initially opened for 6 months and will begin on October 2015. The fellowship contract may be renewed to more 21 months (December 2017), 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 scientific and academic CV taking into account the preferred factors mentioned above in point 3 (75%) and the letter of motivation (10%). After curricular evaluation, top candidates may be called for an interview (15%). The final grading will be on a scale of 0-85 (without interview) and 0-100 (with interview).
10. **Selection Committee:**
Fellowship 1: Maria José Calhorda (Professora Catedrática da FCUL), President, Carla D. Nunes (Investigadora Principal, FCUL), Ana Margarida Martins (Professora Auxiliar com Agregação, IST), Isabel Fonseca (Professora Associada da FCT-UNL), members, Pedro Teixeira Gomes (Professor Auxiliar, IST) supplementary member.

Fellowship 2: Maria José Calhorda (Professora Catedrática da FCUL), President, Rodrigo F. M. de Almeida (Investigador Principal, FCUL), Francisco Rodrigues Pinto (Professor Auxiliar, FCUL), Catarina Brito (Investigadora Auxiliar, IBET), members, Susana Marinho (Professor Auxiliar, FCUL), supplementary member.
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 **Fundação da Faculdade de Ciências da Universidade de Lisboa**, 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. **Deadlines:** This call for applications is open from 4th August to 3rd September 2015.
13. **Application:** Applications will be made exclusively via e-mail to cmnunes@fc.ul.pt, by attaching the following documents: Curriculum vitae, indicating the publications and citations of the candidate in ISI Web of Science, in an easily identifiable way, and the names of two referees, degree certificates and letter of motivation.