

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

### One Postdoc Fellowship

One Postdoc Fellowship is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the thematic line “Chemistry and Biochemistry for a Clean Environment” of the project CQB - Centro de Química e Bioquímica da Universidade de Lisboa, MULTI/00612, 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:** Chemistry or related areas;

2. **Requirements for admission:** PhD in Chemistry or related areas

3. **Factors preferred:** Research experience and scientific autonomy in at least one of the following: i) synthesis (organic, inorganic or materials); or ii) in several methods and techniques required for the project development, namely for the characterization of materials, including XRD, SEM, TEM, DRIFT, DRS, sorption/desorption measurements and XPS; or iii) GC-MS, LC-MS, HPLC and fluorescence spectroscopy for the characterization of degradation products.

Capability to perform independent research, attested by international peer-reviewed publications in high impact scientific journals, preferably as first and/or corresponding author; successful experience in grant applications; supervision experience (master/PhD students); experience in identifying research applications (e.g., patents).

4. **Work plan:**

- To obtain detailed information about relevant emergent pollutants and their environmental impact and degradation strategies;
- To develop, synthesize and fully characterize new multifunctional materials, with tailored properties;
- To study and implement configurations for the removal of identified emergent pollutants, including adsorption/catalytic (photo)electrodegradation arrangements;
- To test the efficiency of the designed removal arrangements for the chosen pollutant molecules and to study the degradation processes (mechanisms and the identification of the degradation products).

The holder of this position is expected to search and apply for additional funding to develop the project, to demonstrate scientific autonomy and to establish collaboration with all groups of CQB involved in the different tasks.

The holder of this position is 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 carried out at the Centro de Química e Bioquímica da Faculdade de Ciências da Universidade de Lisboa, under the scientific guidance of Dr. Carla D. Nunes.

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**7. Fellowship duration:** This position is opened for an initial period of 6 months and will begin on April 2016. The fellowship contract may be renewed up to 13 months (December 31, 2017), in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology. The fellowship contract cannot be renewed beyond the end of the project.

**8. Monthly allowance:** The fellowship amounts to € 1495, in accordance with the values established for such fellowships when awarded directly by 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 security 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.

The fellowship amounts are tax free.

**9. Selection method:** Admitted candidates will be assessed by the quality of their academic and scientific CV, taking into account the preferred factors mentioned above (75%) and the letter of motivation (10%). After curricular evaluation, the 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:** Ana Paula Carvalho (president), Carla D. Nunes, Ana Margarida Martins, Isabel Fonseca (members).

**11. Publication/notification of results:** The final results of the evaluation will become public, through ordered list and final grade obtained which will be posted at the entrance hall of the FFCUL, C1 bldg – 3rd floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by email.

**12. Deadlines:** This call for applications is open from 24 March 2016 to 23 April 2016.

**13. Application:** Applications may be sent via e-mail to [cmnunes@fc.ul.pt](mailto:cmnunes@fc.ul.pt), by attaching the following documents: Curriculum vitae, indicating how to easily identify the publications and citations of the candidate in ISI Web of Science and the names of two referees, degree certificates and letter of motivation.