



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

One Research Fellowship for Graduates (BI de Licenciado)

One BI Research Fellowship for graduated students is open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the project/R&D institution, “Biomimetic/nanobioconjugated platforms for sensitive immunosensing” PTDC/CTM-NAN/0994/2014, financed by national funds (OE) by FCT / MCTES (PIDDAC) under the programme *All Scientific Domains*, under the following conditions:

- Scientific Area:** Chemistry
- Requirements for admission:** Graduation (Licenciatura) in Chemistry. Research experience in electrochemistry.
- Factors preferred:** Experience in: biosensors, ellipsometry, (bio)chemical modification of electrode surfaces.
- Work plan:** According to the approved proposal, the BI fellow will work in Task 2 “**Preparation of novel polydimethylsiloxane (PDMS)/gold electrodes**” and Task 3 “**Synthesis and (bio)functionalization of semiconducting nanoparticles**”. To carry out the proposed work it will be necessary to synthesize and chemically modify several types of metallic nanoparticles, as well as to use electrochemical methods and advanced characterization techniques (e.g. ellipsometry, surface plasmon resonance, atomic force microscopy) to evaluate the success of the developed flexible gold films and nanoparticles functionalization with antibodies.
- 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.
- Place of work:** The work will be developed at Centro de Química e Bioquímica da Faculdade de Ciências da Universidade de Lisboa under the scientific guidance of Doctor Ana Pimenta da Gama da Silveira Viana.
- Fellowship duration:** This position is initially opened for 6 months and will begin on November 2016. The fellowship contract may be renewed to more 6 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
- Monthly allowance:** The fellowship amounts to €745, 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.
- Selection method:** Candidates will be assessed by the quality of their academic and scientific CV taking into account the preferred factors mentioned above in point 3 and the referees’ recommendations (60%), and the letter of motivation (20%). After curricular evaluation, top three candidates may be called for an interview (20%), if their score is less than 5 points apart. The final grading will be on a scale of 0-80 (without interview) and 0-100 (with interview).
- Selection Committee:** Doctor Ana S. Viana (Investigadora Auxiliar, FCUL), President; Doctor António Carlos Henriques Cascalheira (Diretor Científico, Lumisense) and Professor Maria de Deus Carvalho (Professora Auxiliar, DQB, FCUL);



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Doctor Rodrigo F. M. de Almeida (Investigador Principal, FCUL), members; and Doctor Inês Almeida (Post-doctoral researcher), supplementary members.

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 building – 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 14th to 27th October 2016.
13. **Application:** Applications will be made exclusively via e-mail to anaviana@fc.ul.pt, by attaching the following documents: *Curriculum vitae*, graduation certificate, with listing of the marks obtained in each subject, motivation letter and the names and contacts of up to two referees.