

Call for awarding one PhD Research Fellowship

Ref.^a BI-DOUTOR-XBONDS

One Research Fellowship is available with Faculdade de Ciências da Universidade de Lisboa, in the Project *Xbonds4biochem*, IF/00069/2014, financed by national funds by Fundação para a Ciência e a Tecnologia, I.P. (FCT) / MCTES, under the FCT Investigator Grant, under the following conditions:

1. **Scientific Area:** Molecular Simulation / Computational Chemistry

2. **Requirements for admission:**

Mandatory:

- PhD in Chemistry, Biochemistry or related scientific area.

Preferential:

- Previous experience in molecular modeling methods (molecular dynamics simulations applied to peptides / proteins and lipids) and computational chemistry (*ab initio* calculations and/or DFT);
- Relevant publications in indexed international journals and/or communications in scientific conferences in the area of this notice.

3. **Work Plan:**

Perform tasks in the scope of the *Xbonds4biochem* project, namely perform molecular dynamics simulations and use quantum methods (*ab initio* calculations and/or DFT) in the study of halogen bonds in (bio) chemical systems.

4. **Legislation framework:** Law No. 40/2004, of August 18th, as amended and republished by Decree-Law No. 202/2012 of August 27th, by Decree-Law No. 233/2012 of October 29th, by Law No. 12/2013, of January 29th, and by Decree-Law No. 89/2013 of July 9th and Lisbon University Fellowships Regulation, published by Order (extract) No. 6977/2015 of June 23th (<https://dre.pt/application/file/67564222>).

5. **Place of work:** The work will be developed at Inorganic and Theoretical Chemistry Group of the Center of Chemistry and Biochemistry of Faculdade de Ciências da Universidade de Lisboa.

6. **Scientific supervision:** Dr. Paulo Jorge Ferreira de Matos Costa, Project's coordinator
7. **Fellowships duration:** These fellowships are opened for 6 months, eventually renewable for one period of 6 months. It is expected to begin in May 2018.
8. **Monthly allowance:**
 - a. The fellowship amount to € 1.495,00 (one thousand four hundred and ninety five euros), according to Lisbon University Fellowships Regulation (<https://dre.pt/application/file/67564222>). It will be paid monthly by bank transfer;
 - b. The candidate to be hired may exercise his right to social insurance by joining the voluntary social insurance scheme, under the terms of the Research Fellowship Legislation. The financing entities assume the costs resulting from the contributions provided for this Social Insurance, according to the Research Fellowship Legislation.
9. **Selection criteria:** Candidates will be assessed based on their *Curriculum vitae* (CV) with a score between 0% - 100%, considering the suitability of the candidate's profile to develop the work plan. The preferential requirements described above will be assessed, namely, previous proven experience in computational and molecular simulation methods (70%) and the quality of the relevant publications in the scientific area of this notice (30%). Only candidates with scores higher than 70% in the CV evaluation will be considered, otherwise the fellowship might not be awarded. Additionally, an interview may be conducted if deemed necessary. In this case, the final classification will be 75% for the CV assessment and 25% for the interview.
10. **Selection Committee:** Dr. Paulo Jorge Ferreira de Matos Costa, FCUL (President), Professor Maria José Diogo da Silva Calhorda (1st Effective Member), Dr. Miguel Ângelo dos Santos Machuqueiro (2nd Effective Member), Dr. Nuno Jorge Rosa Lopes Galamba (1st Alternate Member) and Dr. Andreia Marques Valente (2nd Alternate member).
11. **Publication/notification of results:** The final results of the evaluation will become public, through a final grade ordered list which will be posted at the entrance hall of Faculdade de Ciências da Universidade de Lisboa, C4 bdg, Campo Grande, 1749-016 Lisboa.
All applicants will be notified of the results of the evaluation to the email address used for sending the respective application, or by post to the applicant's address.
12. **Deadlines:** This call for applications is open from March 27th to April 10th, 2018.

13. **Application:** Application may be sent via e-mail to candidaturas@ciencias.ulisboa.pt, with the subject “BI-DOUTOR-XBONDS” or personally, during office hours (9.30 a.m. to 4.00 p.m.), at the office address of Núcleo de Expediente da Faculdade de Ciências da Universidade de Lisboa, Edifício C5, piso 1, Campo Grande, 1749-016 Lisboa, until the deadline, by attaching the following documents:

- **In the case of being Portuguese citizen**, copy of identification document (ID or citizen card);
- **In the case of not being Portuguese citizen**, copy of identification document (ID card or passport) as well as residence authorization, permanent residence authorization or long-term resident status, if applicable;
- If you agree to be notified for your email address, please send obligatorily the declaration annexed to this Notice;
- Certificates of qualifications of all obtained academic degrees, with final ranking;
- Curriculum Vitae, detailed and updated, stating obligatorily the full candidate’s address.
- Document of employment status, indicating the nature of the bond and functions; this document can be replaced by a declaration under honor commitment if there is any professional activity or the provision of services;
- Cover letter.

DECLARATION

_____ (name of the candidate), declare that if the selection jury chooses to communicate and or notify applicants by e-mail, I agree that such communications and or notifications are made to the email address used for submission of my application.

(Date)

(Signature)