

Call for awarding one Research Fellowship

Ref.º: BI-LIC-RuPMC-4

One Research Fellowship, for Bachelor degree holders, is available with **Faculdade de Ciências da Universidade de Lisboa**, in the project Ref.º IF/01302/2013 “Polymer-Ruthenium Complexes for targeted drug delivery: a new approach to fight cancer” (RuPMC), financed by Fundação para a Ciência e a Tecnologia, I.P. (FCT)/MCTES, under the FCT Investigator Grant, under the following conditions:

1. **Scientific Area:** Biology

2. **Requirements for admission:**

Mandatory:

- Graduation in Biology (Bachelor degree) completed less than three years ago, with an average score of at least 14;
- Previous experience in laboratorial work, namely in *in vitro* culture of human cells, specifically colorectal derived cells, routine cell culture techniques, biochemical techniques (protein extraction and Western blot analyses), and optic and fluorescence microscopy;
- Work experience in assessing the biologic activity of compounds, namely cellular viability assays, proliferation and apoptosis (TUNEL assay);
- Experience in flow cytometry techniques, such as Annexin V/PI and cell cycle analyses.

Preferential:

- Good work capability;
- Ease of integration in multidisciplinary teams;
- Interest in pursuing an academic career;
- Good knowledge of English (spoken and written);
- Residence in Portugal.

3. **Work Plan:** Develop work accordingly to the workplan of the RuPMC project, namely, phenotypic alterations caused by the ruthenium anticancer agents from RuPMC project. These studies include cytotoxicity analyses in normal and cancer cell lines, autophagia, ROS determination, mitochondria alterations, apoptosis by TUNEL assay and Annexin V/PI (flow cytometry), as well as cell cycle analyses by flow cytometry.

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 Centro de Biologia Molecular e Ambiental (CBMA), Departamento de Biologia, Escola de Ciências da Universidade do Minho, Campus de Gualtar, 4710-057 Braga.

6. **Scientific supervision:** Andreia Marques Valente, PhD, coordinator of the project and Professor Ana Preto, in co-supervision.

7. **Fellowship duration:** This fellowship is opened for 3 months, and may be renewed for further 3 (three) months, depending on the project completion date, scheduled for 31/12/2018.
8. **Monthly allowance and Social Insurance:**
 - 8.1. The fellowship amount corresponds to € 745 (seven hundred and forty five euros), according to Lisbon University Fellowships Regulation (<https://dre.pt/application/file/67564222>). It will be paid monthly by bank transfer;
 - 8.2. The candidate to be hired may exercise his right to social insurance by joining the voluntary social insurance scheme, under the terms of the Statute of the Research Fellowship. The financing entities assume the costs resulting from the contributions provided for this Social Insurance, according to the Statute of the Research Fellowship.
9. **Selection criteria:** Candidates will be assessed based on their CV (0-100%) accordingly to the following parameters: academic achievement (30%) and adequacy of the profile to perform the specific tasks according to the defined work plan (70%). The evaluation shall consider the merit of the candidates regarding their academic background and their motivation for research. Only candidates with scores higher than 70% in the CV evaluation will be considered, otherwise the fellowship may not be awarded. If appropriate, and if the jury find it necessary, selection interviews (0-50% additional) will be conducted.
10. **Selection Committee:** Andreia Marques Valente, PhD (President), Professor Ana Preto (1st Effective Member), Professor Doutora Maria Helena Anselmo Viegas Garcia (2nd Effective Member), Professor Maria José Neto Antunes Afonso Villa de Brito (1st Alternate Member) and Ana Isabel Antunes Tomaz Diniz, PhD (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 building, 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 7th to 18th of May 2018.
13. **Application:** Application may be sent via e-mail to candidaturas@ciencias.ulisboa.pt, with the subject "BI-LIC-RuPMC-4", 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 isn't any professional activity or the provision of services;
 - Cover letter;
 - Optionally, letters of recommendation.

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)