

**FACULDADE DE MEDICINA
DA UNIVERSIDADE DE LISBOA**

ANNOUNCEMENT

Competition for a Research Fellowship for Master Degree Holders (BI)

Competition for a Research Fellowship for Master degree holders (BI), in the Biomathematics Laboratory of Faculdade de Medicina da Universidade de Lisboa, in the context of project “*Quantitative Studies of HIV Latency (QuaSHLat)*”, PTDC/MAT-APL/31602/2017, funded from the national budget by FCT/MCTES.

The fellowship will have a duration of 12 months, working in exclusivity, with predicted start in February 2019, and eventually renewable up to the period of the project (Aug 5, 2021).

The work in this fellowship is to be developed under the “exclusive dedication regimen”, according to Art.º 27 n.º 2 of the Regulation for Research Fellowships of the University of Lisbon (“Regulamento de Bolsas de Investigação da Universidade de Lisboa”) together with Art.º 5.º, n.º 2 of the Statutes of Research Fellows (“Estatuto do Bolseiro de Investigação”).

General Scientific Area: Biomedical Sciences

Specific Scientific Area: Biomathematics

1. Fellowship description and objectives for the candidate:

This Fellowship is in the context of project “*Quantitative Studies of HIV Latency (QuaSHLat)*”, PTDC/MAT-APL/31602/2017, which aims to investigate quantitatively and mechanistically the conditions for the establishment of HIV latency.

The activities of the fellow will be in support of scientific research in this general area. In particular, the fellow will have the knowledge and/or capabilities to develop in an autonomous and independent fashion the following tasks:

Main competencies:

1. Mathematical modelling of biological systems, including differential equations, stochastic processes, computer simulation;
2. Statistical modelling of biological systems, including descriptive and inferential analyses, generalized mixed-effects models;
3. Programming skills in one or more of the following: R, C++, SciPy, MatLab, Mathematica, Monolix, ...

Additional competencies:

4. Writing of reports and scientific articles in English, including published papers;
5. Oral presentation (in English) of her/his work, for example through presentations of scientific results in national or international meetings;
6. Practical knowledge of scientific articles in the area of HIV, virology and immunology;
7. Interdisciplinary work and collaboration with researchers in other scientific areas.

2. Target audience:

Candidates for this position will have a Master Degree in fields related to the object of the project (Master in Biomedical Sciences, Applied Mathematics, Computational Biology, Bioengineering, Biostatistics and related areas), with demonstrated capabilities of effective

work in the competencies and tasks indicated in the previous item, and good English skills, both written and spoken.

3. Scientific Mentoring: The Fellow's scientific activity will be mentored by Professor Ruy Ribeiro.

4. Financial component:

The monthly allowance of the Fellowship will be 980€ (nine hundred and eighty euros). This allowance will be paid by monthly bank transfer.

5. Details for application:

Application timeframe – from 04 to 17 of January 2019.

The applications should include the following documents:

- a) Motivation letter;
- b) Data relative to the identifying document, as well as residency title, permanent resident certificate or statute of long-term resident, if applicable;
- c) Document demonstrating that the candidate fulfills the needed conditions for applying to the Fellowship, in particular, Master diploma, with final grade and grades for all subjects taken;
- d) Detailed Curriculum Vitae;
- e) Current document demonstrating professional status, indicating type and nature of contract and functions, which can be replaced by a declaration of honor in case there is no professional activity or service activity;
- f) Other documents that the candidate judges relevant for the application.

These documents may be delivered by email to recursoshumanos@medicina.ulisboa.pt, or hand-delivered, during normal working hours (from 9h00 to 16h00), at the following address, or send by mail, indicating the reference of the Fellowship, to Núcleo de Recursos Humanos e Vencimentos da Faculdade de Medicina da Universidade de Lisboa, Av. Professor Egas Moniz, 1649-028 Lisboa, Portugal.

6. Evaluation criteria:

The curricular evaluation of the candidates will be based on the following criteria:

- Practical experience in the areas of the proposed work (40%). With 70% corresponding to the main competencies and 30% corresponding to the additional competencies (as indicated in item 1 of this Announcement);
- Experience in working in research institutions or higher education institutions (20%);
- Final grade of the Master degree (15%);
- Motivation of the candidate for the project (25%).

If the selection committee finds necessary, the 3 candidates with highest classification in their curricular evaluation may be called in for an interview, which will include a brief presentation of the work / experience of the candidate. The other candidates will automatically be excluded from the selection process. For the candidates called in for an interview, their ranking will be based 50% on their curricular evaluation and 50% on their interview classification.

7. Selection process:

The results of the selection process will be announced by 90 days after the deadline for application, and after the curricular evaluation and potential interviews, by posting a provisional ranked list of candidates, on the website of Faculdade de Medicina da Universidade de Lisboa (www.medicina.ulisboa.pt).

The candidates may, if they wish, object to the provisional list, within 10 working days of its posting.

8. Selection Committee

The selection committee to evaluate the candidates will be composed of the following elements:

President: Professor Ruy Ribeiro; Effective Members: Professor Ana Espada Sousa and Professor Paulo Nogueira; Replacement Members: Lic. Rui Gomes e Lic. Joana Corrêa Silva.

9. Non-discrimination policy:

In fulfilment of item h) of the 9th article of the Constitution, the Public Administration, as an employing entity, promotes an active policy of equal opportunities between men and women in accessing employment and professional progression, scrupulously avoiding any and all forms of discrimination.

10. Applicable Laws and regulations

Regulation for Research Fellowships of the University of Lisbon (Regulamento de Bolsas de Investigação da Universidade de Lisboa, University Regulation n.º 6977/2015, published in Diário da República, 2ª série, n.º 120, of 23rd of June);

Statutes of Research Fellows (Estatuto do Bolseiro de Investigação, approved by law n.º 40/2004, of 18 of August, changed and republished by law n.º 202/2012 and updated by laws n.º 233/2012 and n.º 89/2013 and by law n.º 12/2013);

Regulation of Research Fellowships of the Fundação para a Ciência e a Tecnologia (Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia, I.P., Regulation n.º 234/2012, of 25th of June, modified by Regulation n.º 326/2013, of 27th of August).