



**Universidade Nova de Lisboa
Instituto de Higiene e Medicina Tropical (IHMT NOVA)
Call for hiring a Post-Doctoral Researcher**

Call for research job Ref. PTDC/SAU-PAR/28459/2017

Pursuant to the provisions of Decree-Law nº. 57/2016, of August 29, taking into account the legal regime to which it refers, contained in the same legal document, an international competition procedure for selection of a doctorate for the exercise of scientific research activities is in place, financed by national funds through the Fundação para a Ciência e a Tecnologia (FCT), with the following framework and specifications:

Framework

- a) The decision to initiate the procedure is triggered by the fact that project PTDC/SAU-PAR/28459/2017 (Identification of new antimalarial treatments through a target-centred “drug repositioning” approach) includes in its research work plan activities to be performed by a post-doctoral team member.
- b) The contract with the winner of the call is subject to the precedent condition of adequate budget by means of contract of development, to be signed by FCT with the Institution, in order to pay for the position.
- c) Candidates who, on a rating scale between 0 and 20 of the respective ranking criteria, do not reach 10 points, will not be allowed to take the position due to lack of absolute merit.

GENERAL APPLICATION REQUIREMENTS

- a. National, foreign and stateless persons holding a PhD in Biological Sciences, Biomedical Sciences, Health Sciences or related areas;
- b. Holders of a scientific and professional *curriculum* that show a profile appropriate to the activity to be developed.

If the doctoral degree has been awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 341/2007, of October 12, and the fulfillment of any formalities established therein must occur until the expiration date for the application.

The recognition of the foreign academic degrees will only be required to the selected candidates for conclusion of the employment contract. Failure by the candidate to present that recognition, within the terms established for the signature of the contract, will determine passage to the candidate ordered in 2nd place and so on.

SPECIFIC APPLICATION REQUIREMENTS

- PhD in Biological Sciences, Biomedical Sciences, Health Sciences or related areas;
- Relevant knowledge in the field of tropical medicine, with emphasis on malaria
- Relevant scientific experience in Computer-Aided Drug Discovery (CADD), preferably in Structure-based drug design for hit generation and lead optimization, Ligand-based drug design and Chemoinformatics, including QSAR and molecular docking
- Laboratory experience in experimental drug screening techniques for malaria, both *in vitro* and *in vivo*
- Good knowledge of the English language;
- Availability for exclusive dedication;
- Availability to start contract in July 2019.

TASKS TO BE PERFORMED

- Application of Computer-Aided Drug Discovery (CADD) approaches to find new treatments against malaria parasites, both for blood- and transmission stages;
- Investigation of the *in vitro* activity of compounds against both asexual and sexual stages of malaria parasites of humans;
- *In vivo* blood stage drug efficacy studies using rodent malaria parasites;
- *In vivo* assays to establish transmission blocking efficacy of selected compounds using rodent malaria parasites and Anopheline mosquitoes;
- Preparation and submission of scientific articles;
- Participation in the training of students at the master's and doctoral level;
- Participation in laboratory management activities and administration of the project.

CONTRACT AND CATEGORY

Hiring is made through an indefinite-term contract, under the terms of the Labor Code, as Doctoral Degree, Level 33 of the Unique Remuneration Table (TRU), in accordance with Decree-Law no. 11-A / 2017 of 29 December.

DURATION

The contract will start in July 2019 and may last until the end of the project, and cannot, in any case, exceed 30 months.

WORPLACE

Facilities of IHMT-NOVA (Lisbon).

DOCUMENTS THAT SHOULD BE PRESENTED

- Motivation letter (max. 3000 characters, including spaces);
- Detailed *curriculum vitae* according to the requirements of the application;
- Copy of the certificate or diploma of the doctoral degree;
- Copy of the identification card or passport as applicable.

METHODS OF SELECTION AND DEFINITION OF WEIGHTINGS:

- Curricular evaluation (*curriculum vitae* and motivation letter, as specified in the general and special requirements) - 90%
- Interview (if needed) - 10%
- If there is no interview, because there is no more than one candidate or the curricular evaluation proves sufficient to order the candidates, the curricular evaluation will have a weight of 100%.
- The selection methods, their weightings and classification system are listed in the Minutes of the first Jury meeting.

COMPOSITION OF THE JURY

- President: Dr. Pedro Cravo, Assistant Professor, IHMT/UNL;
- Effective member: Dr. João Pinto, Assistant Professor, with aggregation, IHMT/UNL
- Effective member: Dr. Ana Paula Arez, Principal Investigator, with aggregation, IHMT/UNL;
- Effective member: Dr. Dinora Lopes, Higher Technician, IHMT/UNL;
- Substitute member: Liliana Rodrigues, PhD Researcher, IHMT / UNL.

APPLICATION DEADLINE

The deadline for submitting applications is 10 business days from the date of publication of the call in the *Diário da República*. Applications must be sent by email indicating the reference in the Subject to the e-mail address pcravo@ihmt.unl.pt, until 17h00.

The full Notice of this call will be available on the FCT website at <http://www.eracareers.pt> and on the IHMT website at <http://www.ihmt.unl.pt/category/bolsas-e-concursos/>

Notification of Results: All candidates will be informed of decisions by e-mail.

Pursuant to Article 9 (h) of the Constitution, the Public Administration, as an employer, actively promotes a policy of equal opportunities for men and women in accessing employment and professional advancement, scrupulously and any form of discrimination.