



**Universidade Nova de Lisboa (NOVA University of Lisbon)
Institute of Hygiene and Tropical Medicine (IHMT NOVA)
Advert seeking a PhD graduate to perform researcher activities:**

Scientific Employment Competition Ref. SC07-DRH/2018

According to the provisions of article 23 of Decree-Law no. 57/2016 of 29 August, and taking into account the legal regime to which it refers, contained in the same legal document, a competition procedure of international selection is open, to fill a doctoral post for the exercise of scientific research activities, financed by national funds through the Foundation for Science and Technology, with the following guidelines and specifications:

Background

- a) The decision to open the competition procedure is due to the fact that the scientific research activities related to the project, under reference SFRH/BPD/97508/2013, are carried out by the postdoctoral fellow, holder of the FCT grant, and fulfilling Article 23 of Decree-Law no. 57/2016 of 29 August.
- b) Considering that the legal cause of the decision to open the competition is the pursuit of scientific research activities by the postdoctoral fellow, the decision to open the contest will be without effect if the fellow, holder of the aforementioned scholarship, does not submit an application.
- c) The contract with the winner of the competition is subject to the condition its being adequately funded by a budget allocation through a development contract to be signed by FC&T with the Institution, in order to fund the competition.
- d) Candidates who do not earn 10 points on a scale of between 0 and 20 of the respective ranking criteria will not be allowed to fill the position due to lack of sufficient absolute merit.

General application requirements:

- a. National, foreign and stateless persons with a PhD in Biomedical Sciences, specialising in Microbiology;
- b. Holders of a scientific and professional curriculum vitae that displays an appropriate profile for the activity to be performed;

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

Specific admission requirements:

- PhD in Biomedical Sciences, specialising in Microbiology.
- Expertise, experience and scientific production in the area of resistance to antimicrobial compounds, including biocides, in staphylococci of human and veterinary origin, specifically:
 - Molecular and phenotypic characterisation of resistance to antibiotics and biocides in animal staphylococci or staphylococci of humans in close contact with animals;
 - Determination of resistance levels to biocides and heavy metals, including a proposal of ECOFFs;
- Knowledge, experience and scientific production in the area of efflux as an antimicrobial resistance mechanism in staphylococci, specifically:
 - Characterisation of the resistance associated with the expression of chromosomal or plasmid efflux pumps;
 - Determination of efflux activity by Cartwheel and fluorimetry tests in real time;
 - Identification and evaluation of the activity of efflux inhibitor compounds;
 - Analysis of expression levels of chromosome efflux pumps;
 - Characterisation of resistance determinants in plasmids, including curing tests or plasmid transfer tests;
 - Production of biofilms and relation with efflux activity.
- Teaching experience at postgraduate level.

Duties to be performed:

- a. Performing scientific research activities in the areas indicated above and related areas;
- b. Raising external funding;
- c. Coordination of national and international projects;
- d. Active role in making international collaborations in the specific scientific area more dynamic;
- e. Training of students at master's, doctorate and post-doctorate level;
- f. Participation in the life of the institute, namely in activities promoting science.

Contract and Status:

The employment is carried out by means of an unfixed-term contract under the terms of the Labour Code, as a PhD, Level 33 of the single remuneration table (TRU), in accordance with Decree-Law no. 11-A/2017, of 29 December.

Workplace:

IHMT-NOVA Facilities, Lisbon.

Documents that should be included in the application:

- i) Cover Letter (max. 2500 characters, including spaces)
- ii) Future research plan (max. 5000 characters, including spaces);
- iii) Copy of certificate or diploma;
- iv) Detailed curriculum vitae according to the application requirements;
- v) Other documents relevant to the evaluation of the suitability of the requested profile;

Selection methods and their weighting:

- Curricular evaluation (evaluation of curriculum vitae and cover letter and the future research plan, as specified in the general and special requirements) - 90%
- Interview - 10%.

If there is no interview, because there is only one candidate, the curricular evaluation has a weighting of 100%.

The selection methods, their weightings and classification system are listed in Minutes no. 1 of the Jury meetings.

Application deadline:

The deadline for submission of applications is 10 working days from the date of publication in the Official Gazette.

Full notice of this procedure 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/>.

The application must be sent by email indicating the reference in the subject field, to the email address recursos@ihmt.unl.pt by 5pm on 03 of september 2018.

Notification of Results: All applicants will be informed of the results via email.