



Universidade Nova de Lisboa
Instituto de Tecnologia Química e Biológica António Xavier (ITQB NOVA)

Notice
Call for a PhD Researcher
Reference 021/TRI-PhD/2025

It is made public that, by order of the Dean of the *Instituto de Tecnologia Química e Biológica António Xavier da Universidade NOVA de Lisboa (ITQB NOVA)*, issued on 30th July, 2025, the opening of an international selection procedure was authorized under the doctorate hiring regime (Decree-Law nº 57/2016 of 29 August, with the amendment introduced by Law 57/2017 of 19 July) to fill a PhD position, within the scope of the project entitled “*MISSMI-OPTMI: Development of biotherapeutics to control pneumococcal colonization and disease*”, through FEDER and financed by *Fundação para a Ciência e a Tecnologia*, I.P (operation no. 16274, operation code in the Funding Portal LISBOA2030-FEDER-0743500).

The Doctorate to be hired will develop research work within the current phase of the project's development, expected to last 6 months.

Workplace:

The work will be carried out at the ITQB NOVA facilities, located on *Avenida da República, in Oeiras*, without prejudice to possible travel and stays inherent to the functions to be performed and activities to be developed.

Academic qualifications:

PhD in Molecular Biosciences, Molecular Biology, Microbiology, Biology or related areas.

General requirements:

- PhD in Molecular Biosciences, Molecular Biology, Microbiology, Biology or related areas;
- Certified training in animal experimentation (FELASA category B or equivalent);
- Proficiency in spoken and written English.

This application procedure is open to any national, foreign and stateless candidate(s) holding a PhD degree in the area(s) mentioned and holders of a scientific and professional curriculum showing a relevant profile for the activity to be developed.

Specific requirements:

- Excellent knowledge of Microbiology, with a focus on *Streptococcus* spp. of the human upper respiratory, as well as Molecular Biology;
- Experience with methods to assess interspecies competition, including overlay assays and multi-species biofilms;
- Experience in the use and handling of mouse models for the study of bacterial colonization and Influenza A virus infection;

- Experience in flow cytometry for the analysis and quantification of immune cell populations in biological samples;
- Proven publication record in the field of *Streptococcus pneumoniae* research.

Characteristics to be valued:

- Excellent planning and organizational skills;
- Resilience, critical spirit and ability to work autonomously and as a member of a multidisciplinary team;
- Vocation to work by objectives and to meet strict deadlines;
- Immediate availability, considering the duration and schedule of the project.

Category and applicable legislation:

- PhD Researcher, salary index to the Single Salary Table (TRU) level 33, approved by *Decreto-Regulamentar nº 11-A/2017*, 29 December.
- Employment contract for an uncertain term (according to article 18, paragraph b), and paragraph 1 and 3 of article 6, DL No. 57/2016, of August 29, amended by Law No. 57/2017, of July 19, under the legal terms in force. The contract is expected to start in September 2025.
- If the doctoral degree has been awarded by a foreign higher education institution (not Portuguese), it must comply with the provisions of Decree-Law No. 66/2018, of August 16th, and with all formalities established therein, fulfilled until the date of signing the contract.

Documents required in the application:

- Detailed Curriculum vitae;
- Motivation Letter;
- Contacts of two references;
- Copy of the PhD certificate (including recognition of degree in Portugal if available).

Selection criteria:

- Curricular Evaluation (AC), through the evaluation of the curriculum vitae and the motivation letter – 90%
- Selection Interview (ES) – 10%

The final classification will be expressed on a scale of 0 to 20 values, resulting from the application of the following formula: Final classification = 90% * AC + 10% * ES

The candidates will be ranked according to their classification in the AC, with the three best classified candidates being called for an interview, if their respective classification is equal to or greater than 15 values in that parameter. If the vacancy is not filled, the next best-ranked candidates will be called, according to the ranking list.

ITQB NOVA reserves the right not to proceed with hiring, in the absence of candidate(s) with the appropriate profile.

Jury:

- Doctor Raquel Sá Leão (ITQB NOVA, President),
- Doctor Carina Valente (ITQB NOVA, Full member),
- Doctor Alexandra Simões (ITQB NOVA, Full member);

- Doctor Sónia Almeida (ITQB NOVA, Substitute member).

Deadline of applications:

The application call is available during 10 working days, starting on 6th August and ending on 20th August 2025.

Submission of applications:

All documents must be sent as a single PDF file by email to concursos@itqb.unl.pt indicating the Reference **021/TRI-PhD/2025** in the subject.

Notification of Results:

All candidates will be informed of the decisions by e-mail.

Non-discrimination and equal access policy:

Under ITQB NOVA actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, harmed or deprived of any right, on basis of age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, race, territory of origin, language, religion, political or ideological convictions, and trade union membership. Under the terms of Decree-Law No. 29/2001, of February 3, the candidate with a disability has preference in equality of classification, which prevails over any other legal preference. Candidates must declare on the application form, under oath, the respective degree of disability, the type of disability and the means of communication/expression to be used in the selection process, under the terms of the aforementioned diploma.

The full notice of this recruitment procedure will be available at <https://euraxess.ec.europa.eu/> and on the ITQB NOVA website <https://www.itqb.unl.pt/jobs/>

Oeiras, 30th of July 2025

The Dean of ITQB NOVA, Professor Doutor João Paulo Serejo Goulão Crespo