



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

**Notice**  
**Call for a PhD Researcher**  
**Reference Ref. 016/TRI-PhD/UIDP/04612/2020/2022**

It is made public that, by order of the Rector of *Universidade Nova de Lisboa*, issued on July 25, 2022, 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 “*MOSTMICRO-ITQB NOVA Molecular, Structural and Cellular Microbiology*”, reference nº UIDP/04612/2020, financed by *Fundação para a Ciência e Tecnologia (FC&T, I.P.)/Ministério da Ciência, Tecnologia e Ensino Superior*.

**Academic Qualifications:**

PhD in Biology, Microbiology, Physics, Optics or related areas.

**Functional content:**

The selected candidate will join, on a full-time basis, the team of the Bacterial Imaging Cluster (BIC platform), integrated in the Portuguese Platform for Bioimaging network (PPBI), where he/she will perform duties that include, namely: i) training in the use of common microscopes; ii) assistance in the use of common microscopes; iii) support in image acquisition; iv) programming macros in ImageJ/Fiji for image analysis; v) programming macros in Python for image analysis; vi) creation of workflows for image analysis and processing of acquired data.

Duties also include: i) responsibility for common microscopy and Cell Sorting equipment; ii) contact with brands for maintenance/repair and purchase of equipment consumables; iii) quality control of the equipment; iv) updating guides for the use of the equipment; v) keeping records of the use of the equipment.

**General admission requirements:**

- 1) PhD in Biology, Microbiology, Physics, Optics or related areas;
- 2) Good knowledge of English, written and spoken.

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 admission requirements:**

- 1) Experience in fluorescence microscopy;
- 2) Experience in confocal microscopy
- 3) Experience in quantitative image analysis.
- 4) Preference will be given to candidates with experience in super-resolution techniques applied to a wide variety of biological systems

**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 the 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 November, 2022.
- 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 16<sup>th</sup>, 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;
- PhD certificate.

**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

**Jury:**

- Professor Cláudio Soares ITQB-NOVA (President)
- Professor Adriano Henriques ITQB-NOVA (Effective member)
- Professor Mariana Pinho ITQB-NOVA (Effective member)
- Doctor Pedro M. Pereira ITQB-NOVA (Substitute member)
- Doctor Mónica Serrano ITQB-NOVA (Substitute member)

**Deadlines of applications:**

The application call starts on August 10, 2022 and ends on September 30, 2022.

**Submission of applications:**

All documents **must** be sent as a **single PDF** file by email to [concursos@itqb.unl.pt](mailto:concursos@itqb.unl.pt) indicating the Reference **016/TRI-PhD/UIDP/04612/2020/2022** 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 tender process will be available on the page <https://euraxess.ec.europa.eu/>  
and on the ITQB NOVA website <http://www.itqb.unl.pt/jobs/>

Oeiras, August 10, 2022

The Director of ITQB NOVA, Professor Doctor Cláudio Manuel Simões Loureiro Nunes Soares