

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

**Call for a PhD Researcher under the scope of Decree-Law DL 57/2016-under private law regime
Ref. CP-ADA I&D- 04/2019**

In accordance with the article 9 of the Regulation No. 393/2018, published in *Diário da República*, 2nd series, of June 28th, regarding the recruitment and employment contract for researchers, Prof. Cláudio Manuel Simões Loureiro Nunes Soares, Director of *Instituto de Tecnologia Química e Biológica António Xavier*, in the order issued on February 27th, 2019, informs that an international call is now open, until the 4rd June 2019, for the recruitment of a position for one Auxiliary Investigator, under an employment contract for a non-fixed term, under private law regime, in the scientific area of Plant Sciences, subarea Plant Ecophysiology and Phenotyping.

This is an international application procedure and is ruled by the provisions of article 11 and seq. of the Decree Law 57/2016, of August 29th, altered by Law 57/2017 of July 19th.

This call is open under the framework of the Contract-Program for the development of scientific and research activities, signed between FCT and UNL in accordance with No. 4 of the article No. 28 of the Regulation on Scientific Employment (REC), No. 607-A/2017, published in *Diário da República* of November 22nd.

I – Order from the Rector

This call is open by order issued by the Rector of UNL, on February 18th, 2019, upon the establishment of a Contract Program between ITQB NOVA and FCT, I.P., confirming the existence of a specific budget for that purpose and that the workplace mentioned in this advertisement is already foreseen within the framework of ITQB NOVA human resources.

II – Job description:

1) Work place:

Instituto de Tecnologia Química e Biológica António Xavier
Address : *Av. da República, 2780-157 Oeiras*

2) Duties to be performed:

The procedure is open for recruitment of a Researcher to the Scientific Area of Plant Sciences, sub-area Ecophysiology and Phenotyping. The work will involve starting-up a new laboratory to develop studies of biotic and abiotic interactions in plants, at the genetic and molecular level, in laboratory and field conditions, and the use of precision phenotyping to relate genomics to plant ecophysiology and agronomy, exploring the wide range of techniques currently available to evaluate plant performance and productivity, and considering the efficiency of use of resources.

Recent advances in the development of molecular and genetic tools to accelerate plant breeding, as well as the possibility of quantitatively assessing crop characteristics (such as yield or disease resistance) allow the application of information systems providing methods and interfaces for interoperability of data sets from different sources. It is thus expected that the researcher will explore the mechanistic understanding of plant responses to the environment and climate change by establishing strategic



collaborations at the academic level both within and outside the Institute, but also with the private sector.

Agenda 2030 Goals:

Goal 2 - Zero hunger (reach food security, improve nutrition and promote sustainable farming);

Goal 12 - Responsible production and consumption.

3) Remuneration and applicable legislation:

It is foreseen that the contract starts in July 2019. 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, with an initial period of 36 months, eventually renewable.

III – Requirements:

1) General admission requirements:

In accordance with No. 1 of the article 10 of Research Scientific Career Statutes, this procedure has the following general requirements:

- a) Be a holder of a Doctorate degree in Plant Biology, Agronomy, Plant Physiology, Plant Ecophysiology or related scientific areas;
- b) Be a holder of a scientific and professional curriculum whose profile is suited for the activity to be performed.

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.

2) Specific Admission Requirements:

- a) PhD completed at least 3 years before the current application, in the area of plant physiology and phenotyping;
- b) Research experience in crops (minimum of 3 years);
- c) Proven experience in the areas of the application, through scientific publications (reporting original work) in journals with impact factor above 3;
- d) Solid experience in one or more of the following areas: water / hydraulic relations, photosynthesis, nitrogen fixation, nutrient absorption, host /microbe interaction;
- e) Previous experience in the use of sensors (spectral, fluorescence, gas exchange, etc.) to examine the physiological responses to the environment;
- f) Solid experience in statistical analysis of large data sets and use of R or related software;
- g) Experience in student supervision;
- h) Experience as Researcher in scientific projects with competitive funding;
- i) Teaching experience in university courses or other advanced courses;
- j) Excellent communication skills (oral and written);
- k) Excellent interpersonal skills;
- l) Fluency in English (spoken and written).

IV – Submission of the applications:

1) Documents required in the application:

- a) Motivation Letter including a short presentation of the research goals for the next 6 years;
- b) Copy of the PhD certificate or diploma;
- c) Detailed *Curriculum vitae*, organized according to the items listed in point III 2) of this public notice;



- d) Copy of each work published and mentioned in the CV;
- e) Contacts of two references;

Applications containing all the aforementioned documents must be submitted until the 4rd June 2019.

- 1) All documents **must** be sent as a **single PDF** file by email to concursos@itqb.unl.pt, indicating the reference mentioned in the beginning of this call, in the subject.
- 2) Failure to submit any mandatory documents under the current notice, shall result in the exclusion of the candidate from the procedure.

V – Methods of selection and definition of their weights/evaluation criteria:

Curricular evaluation (evaluation of *Curriculum vitae* and Motivation Letter, as specified in general and special requirements) - 90%.

Interview - 10%.

VI – Composition of the Selection Committee:

The selection committee appointed by order of the Director of *Instituto de Tecnologia Química e Biológica António Xavier*, issued on March 1st, 2019, has the following composition:

President:	Professor M. Margarida Oliveira
1 st member:	Doctor Isabel A. Abreu
2 nd member:	Doctor Nelson José M. Saibo
1 st alternate member:	Doctor Carlota Vaz Patto
2 nd alternate member:	Doctor Inês Cardoso Pereira

VII – Selection process:

After the deadline for the applications, the Committee meets for assessing and ranking the candidates.

1) Definition of the selection criteria and their parameters and classifications:

Curricular evaluation (*Curriculum vitae* evaluation, motivation letter and future research plans, as specified in the general and specifics requirements) – 90%

Interview – 10%

If there is only one candidate, the interview is optional and in case of not being used, the curricular evaluation will have a weighting of 100%.

The selection methods, their weightings and classification system are listed in Minutes 1 of the Jury meetings, available at <http://www.itqb.unl.pt/jobs/CP-ADA I&D -04/2019>

2) Notification of Results: All candidates will be informed of the decisions by email.

Non-discrimination and equal access policy:

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 Decree-Law no. 29/2001, of February 3, the candidate with a disability has preference under conditions of equal classification, which prevails over any other legal preference. Candidates must declare



on the application form, on his/her word of honor, the respective degree of disability, the type of disability and the means of communication to be used in the selection process, in accordance with the above-mentioned diploma.

The Full Notice of this procedure will be available on the FCT website <http://www.eracareers.pt/>, on the page <https://euraxess.ec.europa.eu/> and on the electronic page of ITQB NOVA [CP-ADA I&D -04/2019](#).

The application must be sent by e-mail, indicating the reference mentioned above in title, to the e-mail address concursos@itqb.unl.pt until the 17h (GMT) of the 4rd of June 2019.

