

(BL57/2025)

### Post-Doctoral Research Fellowships

Application is open for 1 (one) Post-Doctoral Research Fellowship, within the framework of project I&D activities, financed by IST under the following conditions:

**Scientific Area:** Chemical sciences

**Admission Requirements:** PhD in Engineering Sciences, Chemistry, Chemical Engineering, or related areas.

- a) to hold a PhD degree obtained in the 3 years previously to the submission of the fellowship application;*
- b) to have carried out the research work that led to the PhD degree in a different entity from the host institution of the fellowship;*
- c) Not to exceed, with this fellowship contract, including the possible renovations, an accumulated period of 3 years in this type of fellowship, continuously or with interruptions;*
- d) Not to have previously held a post-doctoral fellowship from IST.*

**Workplan:** The R&D activities fall within the scope of valorization of biomass. The work to be carried out will involve, among other: (a) implementation and execution of extraction processes, namely lipids, using conventional processes and more innovative approaches, (b) purification and characterization of lipids, (c) organization, supervision and execution of the various tasks and activities within the scope of daily laboratory work, (d) development and implementation of new processes in the laboratory, (e) preparation of reports; (f) preparation of scientific papers; (g) eventual co-supervision of final year students.

**Legislation and Regulations:** Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, available on <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

**Workplace:** The work will be developed at Instituto Superior Tecnico (IST), more precisely at CTN campus (Bobadela, Loures, Lisboa), under the scientific supervision of Doctor José Sardinha (IST).

**Duration:** The research fellowship(s) will have the duration of 6 months. It's expected to begin on the 1st June 2025 and may be eventually renewed (not mandatory), after good appreciation of the work done.

**Monthly maintenance allowance:** the amount of the monthly maintenance allowance is € 1851, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: (a) Curriculum evaluation, (b) laboratory practical experience on the field, (c) expertise on lipid extraction, supercritical extraction, GC and HPLC experience, with the respective valuation of 50 %, 30 % and 20 % The assessment will consist of assigning a numerical rating (1 to 5) for each of the assessed requirements. If the assessment leads to a draw, candidates will be interviewed individually. In this case, the final choice will be made on the basis of the interview.

**Composition of the selection Jury:** Doutor José Paulo Sardinha (president), Doutor João Paulo Leal, Doutor José Carretas.

**Announcement/ notification of the results:** The final evaluation results will be communicated to all applicants by email.

**Application deadline and formalization:** The call is open from 11 April 2025 until 6 May 2025.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<http://drh.tecnico.ulisboa.pt/bolseiros/formularios/>); ii) detailed *Curriculum Vitae*; iii) copy of

academic degree certificates (MSc and PhD); iv) motivation letter; v) declaration on honour that the applicant does not exceed with this contract an accumulated period of three years in this type of fellowship, continuously or with interruptions, within the technological and scientific system, and that the research work that led to the PhD degree was carried out in a different entity from the host institution of the fellowship.

Applications must be submitted to the email: [bolsas@drh.tecnico.ulisboa.pt](mailto:bolsas@drh.tecnico.ulisboa.pt)