

(BL4/2026-IST-ID)

Research Studentships (for students of a course that does not award an academic degree)

Applications are open for 1 Research Studentship(s), within the framework of project Bio4Pak - BIODEGRADABLE BIO-BASED BIOACTIVE PACKAGING TECHNOLOGY FOR SUPPORTING FOOD SAFETY/Instituto de Bioengenharia e Biociências, under the following conditions:

Scientific Area: Biological Sciences

Admission Requirements:

a) to hold a bachelor or master degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;

Workplan: The work will involve proteomic analyses on intra- and extracellular protein fractions produced by bacteria of the genus *Salmonella* along growth in synthetic media. To this end, the most appropriate experimental setups will be designed and optimized (with emphasis on the optimization of non-invasive surface proteomics), leveraging the laboratory's previous experience with other Gram-negative bacteria. A selected set of proteins of interest emerging from the proteomic analyses will be overproduced in appropriate bacterial hosts, subsequently purified (presumably by affinity chromatography) envisaging their use in the in vitro assays with the biomaterials to be developed, as planned according to the workplan of the research project Bio4Pak.

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; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04>

Workplace: The work will be developed at the Institute of Bioengineering and Biosciences of Instituto Superior Técnico, under the scientific supervision of Professor Nuno Pereira Mira

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in March 2026. Not renewed.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is 1309,64 €, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods to be used are: academic background (50%) - it will be valued the academic experience (and results) of the candidate in the areas where the research work proposed will be developed (microbiology; molecular biology; biotechnology, specially emphasizing recombinant protein production and purification); evaluation of the candidate's curriculum vitae (50%) - where it will be valued the letter of motivation that should detail (if applicable) the candidate's previous experience in the areas where the research work will be developed (microbiology; molecular biology; biotechnology, specially emphasizing recombinant protein production and purification), as well as the motivation of the candidate to carry out research work and possibly pursue doctoral studies (50%). If deemed relevant by the jury, individual interviews (remotely) may be conducted, the results of which will be included in the candidate's curriculum assessment.

Composition of the selection Jury: Professor Nuno Pereira Mira, Associate Professor at Instituto Superior Técnico; Professor Jorge Humberto Gomes Leitão, Full Professor at Instituto Superior Técnico; Professor Ana Ana Margarida Nunes da Mata Pires de Azevedo, Associate Professor at Instituto Superior Técnico.

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

Deadlines and procedures of complaint and appeal. After notification of the provisional list of evaluation results, candidates have a period of 10 working days to, if they wish, make a statement at a preliminary hearing of interested parties, in accordance with Articles 121 et seq. of the Code of Administrative Procedure. The final decision will be made after analyzing the statements presented at the preliminary hearing of interested parties. The final decision may be appealed to the competition jury or to the President of IST-ID within 15 working days of notification

Application deadline and formalization: The call is open from February 9 until February 13, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); ii) *Curriculum Vitae*; iii) academic degree certificate, where applicable; iv) proof of enrollment at a course that does not award an academic degree; v) motivation letter; vi) declaration on honour that the applicant does not exceed with this contract an accumulated period of one year in this type of studentship, continuously or with interruptions.

Applications must be submitted to the email: bolsas@drh.tecnico.ulisboa.pt.