

(BL112/2026-IST-ID)

Research Studentships (Master or Integrated Master students)

Applications are open for one Research Studentship(s), within the framework of project POLYMERS-5B - Synthesis of Biobased and Biodegradable polymers using monomers from renewable Biowastes via Biocatalysis and Green Chemistry to contribute to European Circular Bioeconomy, (1801P.01378.1.05 – Polymers-5B) financed by European Commission , under the following conditions:

Scientific Area: Biotechnology and related course

Admission Requirements:

a) to hold a graduation in the scientific area

b) be enrolled in a master's course in the scientific area of a higher education institution;

Workplan: The work plan of each grant is directly related to the tasks of the Polymers-5B project in which the work will take place, namely:

1. Interest and experience on simulation of bioprocesses namely extraction of monomers and chemical compounds extracted from biological sources, namely agricultural waste or industrial food production processes (e.g., Tomato pomace).

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 Institute of Bioengineering and Biosciences (iBB) namely in Biocatalysis and Biotransformation Research Group (2BRG) in Instituto Superior Técnico, under the scientific supervision of Prof. Luis Fonseca.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in August 2026. The contract is not renewable in this category.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1090.98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection method is related to the application for the work plan and with training in chemical and biochemical analytical methods and experience in:

1. Simulation of bioprocesses using SuperProDesign or other software for the extraction of monomers and chemical compounds extracted from biological sources, namely agricultural residues or industrial food production processes (e.g. tomato pomace) (60 points).
2. Enrolled in a master's course of Biotechnology or related course (30 points).
3. Availability to start working in beginning of July 2026 (10 points).

The selection will be made based on the curriculum evaluation. Only in the event of a tie between candidates, or if any doubts arise, will an interview be held with the candidate(s).

Composition of the selection Jury: Professors Luis Joaquim Pina da Fonseca, Marília Clemente Velez Mateus e Helena Maria Rodrigues Vasconcelos Pinheiro, researchers of Instituto de Bioengenharia e Biociências (iBB), e professor of Departamento de Bioengenharia do 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 July 8 until July 14, 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 an academic degree course (Master, Integrated Master); v) motivation letter;

Applications must be submitted to the email: luis.fonseca@tecnico.ulisboa.pt