

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

Note: FCT/Portugal 2030 (projeto N° 16922 - LISBOA2030-FEDER-00820600)

Applications are open for two Research Studentship(s), within the framework of project TomatoVal+ Extraction of functional and bioactive compounds from subproducts of tomato processing and valorization of them into potential biomedical applications, edible films and packaging. Project (1801P.01554.1.01) Tomato+ 2023.17315.ICDT 00820600/CC930801) financed by FCT/Portugal 2030 (N° 16922 - LISBOA2030-FEDER-00820600), under the following conditions:

Scientific Area: Biochemical Engineering

Admission Requirements:

a) to hold a master degree

b) 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 plan of each grant is directly related to the tasks of the TomatoVal+ project in which the work will take place, namely:

1. Design and validate synthesized polyesters for biomedical applications.
2. Perform depolymerization of polyester materials and enzymatic hydrolysis of polyesters to release and upcycling the monomers contributing to plastic Circular Economy.

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://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at Institute of Bioengineering and Biosciences (iBB namely in Biocatalysis and Biotransformation Research Group (2BRG) in Institute Superior Técnico, under the scientific supervision of Prof. Luis Fonseca.

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

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025/>), 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 method is related to the application for the work plan and with training in chemical and biochemical analytical methods and experience in:

Bolsa 1. Design and validate synthesized polyesters for biomedical applications (60 pontos).

Bolsa 2. Perform depolymerization of polyester materials and enzymatic hydrolysis of polyesters to release and upcycling the monomers contributing to plastic Circular Economy (60 pontos)

And they are available to start to work in March 2026 (40 pontos).

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.



**Fundação
para a Ciência
e a Tecnologia**

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

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open during from March 18 until March 31, 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;

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



Fundação
para a Ciência
e a Tecnologia