

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/R&D institution SMARTWINE 2.0/*Instituto de Bioengenharia e Biociências*, (2022.06777.PTDC), financed by national funds through FCT/MCTES (PIDDAC), 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;

b) not to exceed with this contract, including the possible renovations, an accumulated period of two years in this type of studentship, continuously or with interruptions.

Workplan: The work will be developed in the field of yeast physiology and molecular biology, with an emphasis on yeasts belonging to the genus *Hanseniaspora*. In particular, physiological and genome-scale approaches (genomics and chemogenomics) will be used to study the responses of these yeasts to stress caused by ethanol and sulfur dioxide (SO₂), in accordance with the objectives outlined in the SMARTWINE 2.0 project. Evolutionary adaptation and random mutagenesis approaches will also be used to obtain *Hanseniaspora* strains with increased tolerance to ethanol and SO₂ for use as starter strains. If possible within the planned timeframe, the performance of the most tolerant strains developed during the vinification of natural and synthetic musts will also be tested.

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 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 7 months. It's expected to begin in March 2026. This fellowship may be renewed for a maximum of 3 months.

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 methods to be used are: academic record (50%) - it will be valued the academic experience (and results) of the candidate in the three specific areas where the research work proposed will be developed (microbiology, molecular biology, bioinformatics); 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 and Bioinformatics), 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 Miguel Cacho Teixeira, Full Professor at Instituto Superior Técnico; Professor Ana Mendes-Ferreira, Associate Professor at Universidade Trás-os-Montes e Alto Douro.

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 from February 9 until February 23, 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 two years in this type of studentship, continuously or with interruptions.

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



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