

**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 person to be recruited will work in the field of physiology and molecular biology of wine Yeasts, with an emphasis on those belonging to the genera *Hanseniaspora* and *Saccharomyces*. In particular, physiological and genome-scale approaches (transcriptomics and genomics) will be used to study the responses of these yeasts to ethanol and SO<sub>2</sub>-induced stress, 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 SO<sub>2</sub> envisioning their application as "starter" cultures in the wine industry.

**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 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 9 months. It's expected to begin in 1<sup>st</sup> November 2024 and it is not renewable.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal ([https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM\\_atualizacao-2024.pdf](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is 1259,64 €, being the payment method an option of the Fellow by Wire Transfer.

**Selection methods:** The selection methods to be used will be as follows: academic record (50%); evaluation of the candidate's curriculum vitae and motivation letter, which should include their previous experience in research (with a focus on the work carried out at the end of their bachelor's and/or master's degree) and motivation to pursue doctoral studies (50%). If the jury considers of interest, individual interviews will be held (remotely), the value of which will be included in the candidate's curriculum evaluation.



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**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 October 2 until October 15, 2024.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>); 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](mailto:bolsas@drh.tecnico.ulisboa.pt)



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