

(BL265/2024-IST-ID)

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

Applications are open for one Research Studentship, within the framework of project 2022.01501.PTDC WeakAc\_R -Mechanistic insights into adaptation and increased robustness to acetic acid and other weak acids toxicity in yeasts, with the financial support of FCT/MCTES through national funds,

**Scientific Area:** Biological Sciences

#### Admission Requirements:

- a) *to hold a bachelor's degree and a master's degree in the fields of biological sciences or related areas and be enrolled at a course that does not award an academic degree, integrated in the educational project of Instituto Superior Técnico, performed in association with iBB-Institute for Bioengineering and Biosciences;*
- b) *documented experience of previous research work on microbiology with preference for experience in molecular and cellular microbiology and functional and comparative genomics to facilitate the proper execution of the work program;*
- c) *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 aim of this research program is to uncover novel and relevant biological knowledge on molecular mechanisms and signalling pathways underlying the global response and robustness of yeasts under stress induced by weak acids, with impact in circular bioeconomy. The research will focus on yeast cell envelope (plasma membrane lipids and transporters and the cell wall).

**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 for Bioengineering and Bioscience (iBB) of Instituto Superior Técnico, Universidade de Lisboa, under the scientific supervision of Professor Isabel Sá Correia.

**Duration:** The research fellowship will have a duration of six months, eventually renewed up to the maximum of 12 months, including the duration of the initial contract and is expected to begin in December, 2024.

**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/Check.

**Selection methods:** The selection methods to be used will be based on the analysis of the candidate's CV in terms of: 1) Academic and research merit; 2) Proven experience in the use of Functional and Comparative Genomics approaches. 3) Proven experience in Molecular and Cellular Biology and Physiology of microorganisms with emphasis on yeasts. The valuation to be used in the evaluation will be 20% for criterium 1) and 40% for criteria 2)



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and 3). An interview may take place to clarify curricular aspects. Only the candidates who achieve a score equal to or higher than 50% will be considered for the scholarship.

**Composition of the selection Jury:** Professor Isabel Sá-Correia, Professor Helena Vasconcelos Pinheiro and Professor Arsénio Mendes Fialho.

**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 30 until November 13, 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: [isacorreia@tecnico.ulisboa.pt](mailto:isacorreia@tecnico.ulisboa.pt) and [isamar@tecnico.ulisboa.pt](mailto:isamar@tecnico.ulisboa.pt)



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