

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 AS4R – Oligos for resistance/Instituto de Bioengenharia e Biociências, 2023.16872.ICDT, with the financial support of FCT through national funds, 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 renewals, an accumulated period of two years in this type of studentship, continuously or with interruptions.

Workplan: The work will involve conducting analyses aimed at controlling antifungal resistance in clinical and laboratory strains of the *Candida* genus, with a focus on *Candida glabrata*. In particular, the molecular mechanisms underlying the azole resistance phenotype in *Candida* isolates, namely those belonging to the species *C. glabrata* and *C. albicans*, will be studied. This study may be carried out using genome-wide assays (transcriptomic, genomic) or more targeted assays that examine more detailed mechanisms. In addition to this work, we also intend to develop strategies aimed at the specific inhibition of azole-resistant isolates, using natural extracts or the identification of peptides/proteins/metabolites presumably suggested to have anti-*Candida* potential.

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 12 months. It's expected to begin in March 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 methods to be used are: academic background (35%) - it will be valued the academic experience (and results) of the candidate in the areas where the research work proposed will be developed (microbiology; molecular biology; biotechnology, specially emphasizing prior experience in microbiology); evaluation of the candidate's curriculum vitae (65%) - 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), as well as the motivation of the candidate to carry out research work and possibly pursue doctoral studies (50%). We denote that prior experience in manipulation and handling of yeasts will be considered a positive differentiating factor of the candidates. 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 Nobre Parreira Cacho Teixeira, Full Professor at Instituto Superior Técnico; Doctor Sónia Carina Morais da Silva, Assistant Researcher at University of Minho.

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 10 until February 24, 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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