

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/R&D institution (Design of miniproteins with improved pharmacokinetic properties for cancer theranostics using imaging techniques - *Departamento de Engenharia e Ciências Nucleares - Centro de Ciências e Tecnologias Nucleares*), *DeNovoTherapies*, financed by national funds through FCT/MCTES (PIDDAC) and co-financed by the European Regional Development Fund (FEDER) through COMPETE – “Programa Operacional Fatores de Competitividade (POFC)”, Miniproteínas LISBOA2030-FEDER-00747800, under the Partnership Agreement PT2030, under the following conditions:

Scientific Area: Chemistry and Chemical Engineering

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: Considering the recognized importance of Fibroblast Activation Protein (FAP) as an emerging target for molecular imaging and/or cancer therapy, this project aims to develop and optimize bioconjugation and radiolabeling methods for computationally designed miniproteins intended for the *in vivo* recognition of FAP. The biodistribution of the radiolabeled miniproteins will be evaluated in animal models. PET/SPECT imaging will be performed to assess their pharmacokinetics and support the selection of the most promising candidates. The anti-tumor efficacy of miniproteins labeled with the therapeutic radioisotopes ^{177}Lu and ^{225}Ac will be investigated in preclinical models of pancreatic cancer.

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 Centro de Ciências e Tecnologias Nucleares do Instituto Superior Técnico, Universidade de Lisboa, under the scientific supervision of Bruno Oliveira.

Duration: The research fellowship will have the duration of 12 months. It's expected to begin in May 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 will be the following: The selection methods will be the following: relevance of the academic degree and respective classification; research experience relevant to the project; interview (evaluation of the experience and motivation of the candidate(s)) and motivation letter, with the respective weight of 50%, 30%, 10% e 10%.

Composition of the selection Jury: Bruno Luís Jesus Pinto de Oliveira (Assistant Researcher), João Domingos Galamba Correia (Coordinator Rsearcher) e Rita Lourenço Paiva de Melo (Assistant Researcher).



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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 April 15 until April 28, 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: boliveira@ctn.tecnico.ulisboa.pt



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