

(BL310/2024-IST-ID)

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

Applications are open for one Scientific Initiation Studentships, within the framework of project/R&D institution *BrightFIGS- Brighter Future for Image Guided Surgery* /IST-ID, ref^a 2022.05950.PTDC, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Chemistry, Chemical Engineering, Materials Engineering and related

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 is to be developed within tasks 2, 3 and 4 of the project that aims at the synthesis of Near-Infrared fluorescent nanoparticles functionalized with a polymer shell that includes targeting ligands for accumulation in cancer cells. The work includes the synthesis, and chemical, photophysical and structural characterization of the nanoparticles. The work developed within the project can be presented as the final work to conclude the course.

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 Centro de Química Estrutural of Instituto Superior Técnico, under the scientific supervision of Dr. Ermelinda Maçõas and Dr. Carla Isabel Madeira Santos

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in January 2025, 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), the amount of the monthly maintenance allowance is 990,98 €, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation (90%) where the relevance of the academic and research path to the work plan will be considered, 2) motivation letter (10%). An individual interview may be requested from the candidates that are ranked in the top positions to complement the curriculum evaluation.*

Composition of the selection Jury: Ermelinda M. S. Maçõas, Carla Isabel Madeira Santos, Carlos M. C. Baleizão.

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 December 20, 2024 until January 8, 2025.



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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: ermelinda.macoas@tecnico.ulisboa.pt



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