

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 “SuperOpTyMe – Radiolabeled opine-type metallophores as new targeted PET imaging probes for selective detection of Superbugs infection” / C2TN – Centro de Ciências e Tecnologias Nucleares, (1801P.01553.1.01) 16681-LISBOA2030-FEDER-00786200 - IST-ID, financed by national funds through FCT and co-financed by the European Regional Development Fund (FEDER) through COMPETE – “Programa Operacional Fatores de Competitividade”, under the following conditions:

Scientific Area: Basic Sciences and Applied Life 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 work to be developed will focus primarily on the characterization in aqueous solution of new metallophore analogues inspired by staphylopine, followed by the synthesis and characterization of novel radiometal complexes, as well as their non-radioactive analogues. In addition to the experimental work in the laboratory, the research fellow will also be responsible for compiling the results obtained and presenting them periodically to other project members, as well as for writing scientific publications related to the work carried out.

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 C²TN – Centro de Ciências e Tecnologias Nucleares of Instituto Superior Técnico, under the scientific supervision of Dr Ana Sofia Cavalheiro Gama

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in February 2026, and may be eventually renewed up to the maximum of 24 months.

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 € 1 309,64, being the payment method an option of the Fellow by Wire Transfer.

Selection methods: The selection methods will be the following: curriculum evaluation (50%), experience in the research project area (50%), with each evaluation item scored up to a maximum of 20 points.

In the curriculum evaluation, professional activity and experience in the disciplinary/scientific area of Medicinal Chemistry will be valued, in particular experience in the use of experimental techniques such as NMR, potentiometry, and UV-Vis spectroscopy for the characterization of metal complexes.

Composition of the selection Jury: Dra Ana Sofia Cavalheiro Gama (Assistant Researcher C²TN, Project PI), Dra Maria Paula Cordeiro Crespo Cabral Campello (Assistant Researcher C²TN/DECN), Dra Célia Maria da Cruz Fernandes (Principal Researcher C²TN/DECN).

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 January 6 until January 19, 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.

Applications must be submitted to the email: sofia.gama@ctn.tecnico.ulisboa.pt



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