

(BL75/2026-IST-ID)

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

Applications are open for 1 Research Studentship, within the framework of project/R&D institution (1801P.01538.1.01) PACRI - GA 101188004 - IST-ID, financed by the European Funds, under the following conditions:

Scientific Area: Plasma Physics, Lasers and Nuclear Fusion

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 will start with the mechanical design and assembly of a support structure for a structured gas cell used in laser-plasma acceleration experiments. The integrated system will be tested in the laboratory, including vacuum operation, gas flow control, alignment procedures, and mechanical stability tests. After laboratory validation, the system will be prepared for experimental campaigns with a high-power laser system, including diagnostics integration and experimental operation. The final stage of the work will focus on the conceptual design of a compact beamline integrating the structured target, diagnostics, and alignment systems. The fellow will participate in experimental work, data analysis, and technical design. This work is part of the technological developments required for future plasma-based accelerator and advanced radiation source experiments and will provide the fellow with strong experimental training for future PhD work.*

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 GoLP-IPFN of Instituto Superior Técnico, under the scientific supervision of Professor Nelson Lopes

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin It's expected to begin when all the bureaucracy is finished, and may be eventually renewed.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 1359,64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation*, with the respective weight of 100%.

Composition of the selection Jury: Professor Jorge Vieira, Professor Nelson Lopes e Professora Marta Fajardo

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. After notification of the provisional list of evaluation results, candidates have a period of 10 working days to, if they wish, make a statement at a preliminary hearing of interested parties, in accordance with Articles 121 et seq. of the Code of Administrative Procedure. The final decision will be made after analyzing the statements presented at the preliminary hearing of interested parties. The final decision may be appealed to the competition jury or to the President of IST-ID within 15 working days of notification

Application deadline and formalization: The call is open from May 14 until May 20, 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: claudia.romao@tecnico.ulisboa.pt