

(BL128/2026_IST-ID)

CALL FOR APPLICATIONS FOR THE AWARD OF SCHOLARSHIPS WITHIN R&D PROJECTS AND INSTITUTIONS

Scientific Initiation Studentships

Applications are open for the award of one Research Scholarship within the project “ATIV ID PROF MIGUEL REIS - IST-ID (1801P.01710.1.01)” of IST-ID, under the following conditions:

Scientific Area: Physics and Engineering Physics (sub-fields of Atomic and Molecular Physics and Applied Nuclear Physics).

Admission requirements: be enrolled in an integrated Master's degree or a Master's degree;

An additional admission requirement is a Bachelor's degree in Physics and completion of all courses of the Master's programme, with the expectation that the Master's thesis in Engineering Physics may be submitted and defended during the period of the scholarship.

Work plan:

Acquisition of knowledge and familiarisation with:

- PIXE, cross-sections, heavy ions and high-resolution X-ray spectrometry
- Nuclear microprobe and multimodal ion beam spectrometry
- Geological applications of these techniques
- Applications of these techniques to Cultural Heritage studies

The work plan will introduce the student to knowledge, techniques and methods that may subsequently be used in defining a doctoral research programme.

Applicable legislation and regulations: Law No. 40/2004 of 18 August (Research Grant Holder Statute), as amended by Decree-Law No. 123/2019 of 28 August; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04>

Place of work: Instituto Superior Técnico, Loures Campus (CTN), Department of Nuclear Engineering Sciences and Accelerators Laboratory, within the activities of the CTN branch of MARETEC and C2TN, under the scientific supervision of Dr. Miguel A. Reis and co-supervision of Dr. Victoria Corregidor Berdasco.

Start and duration: The fellowship will last for 6 months and is expected to start upon completion of the recruitment process or in September 2026. It is renewable up to a maximum of 12 months of total duration.

Monthly maintenance allowance: €1,090.98, according to the 2026 IST-ID Research Grant table. Payment may be made by bank transfer or cheque. The Voluntary Social Security contribution will be reimbursed up to the amount corresponding to the first contribution bracket.

Selection methods:

1. Curriculum assessment (70%):

a) **Academic performance (40%).** Final classification of the Bachelor's degree and weighted average of the evaluations in the Master's degree subjects (score 1-20);

- b) **Participation in International Conferences (10%).** Presentation of papers at International Conferences (score 1-20);
- c) **Computing proficiency (10%).** Variety of application domains and programming languages (score 1-20);
- d) **Language proficiency (10%).** Assessed by proficiency level and number of languages mastered (score 1-20).

2. Individual interview (if required to break a tie between leading candidates), worth 30%. This interview will assess the alignment between the candidate's objectives and the activities and strategies of the R&D groups they will be joining, as well as their prior experience in areas related to the work program.

Selection Committee: Chair: Miguel Adrião Mateus dos Reis (Senior Researcher); Members: Victoria Corregidor Berdasco (Assistant Researcher) and Luís Manuel Cerqueira Alves (Assistant Researcher). Substitute: Rui Manuel Coelho da Silva (Senior Researcher).

Notification: All applicants will be informed of the final results 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 period and submission: The call is open from August 18 until August 24, 2026.

Applications must be formalized, necessarily, by sending the following documents: (i) Form B1– Application to Research Fellowship (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>), (ii) *Curriculum Vitae*; (iii) academic degree certificate; (iv) proof of enrolment in a Master's or integrated Master's programme; (v) motivation letter;

Documents should be sent by email to nuno.sarmento@tecnico.ulisboa.pt.