

(BL315/2024-IST-ID)

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

Applications are open for 1 Research Studentship for students of a course that does not award an academic degree, within the framework of project/R&D institution 1801P.01185.1.01) NanoXCAN - 101047223 - IST-ID, under the following conditions:

Scientific Area: Física de Plasmas, Lasers e Fusão Nuclear

Admission Requirements to hold a bachelor degree in Optics or Physics and to be enrolled a course that does not award an academic degree

Workplan: the successful candidate will join a dynamic and interdisciplinary team working on cutting-edge laser-plasma research at the Instituto Superior Técnico (IST) in Lisbon, Portugal. The project leverages novel laser-plasma based X-ray (or XUV) sources, AI-based optimization strategies, and innovative imaging techniques. Demonstration setups tested at our Laser facility will lead to beamtime at high power lasers through Laserlab-Europe and beyond. Additionally, at GoLP, internationally known for its leading laser-plasma interaction simulation code, we will provide the numerical support to the experiments

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; IST-ID Research Fellowships Regulation, available on https://ist-id.pt/files/sites/43/regulamento-de-bolsas-da-ist_id-2.pdf.

Workplace: The work will be developed at GoLP of IST, under the scientific supervision of prof. Marta Fajardo

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in February 2025, and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 990,98, being the payment method by wire transfer.

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

Composition of the selection Jury: Professora Marta Fajardo, Professor Jorge Vieira e Professor Gonçalo Figueira

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

Application deadline and formalization: The call is open from January 15 until January 21, 2025.

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;

Applications must be submitted to the email: Claudia.romao@tecnico.ulisboa.pt