

(BL241/2024)

### Scientific Initiation Studentships

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution, 50% PEP 1018P.05859.1.01.08, IPFN BASICO 2025-2029 and 50% no Eurofusion – WPTE - PEP 1018P.05872, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Plasma Physics, Lasers and Nuclear Fusion

**Admission Requirements:** Degree in Technological Physics Engineering

*To be enrolled at a professional higher technical course, at a bachelor degree, at an integrated master or master degree, or to have a bachelor 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;*

- a) not to exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions;*
- b) not to have held any other fellowship directly or indirectly funded by FCT.*

**Workplan:** Develop machine learning techniques to extract time-of-flight information from microwave reflectometry measurements

**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 Institute of Plasmas and Nuclear Fusion (IPFN), Instituto Superior Técnico, Alameda campus, under the scientific supervision of Dr José Vicente.

**Duration:** The research fellowship 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 6 months.

**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](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is € 601,12, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: Curriculum evaluation and individual interview, with the respective weight of 60% and 40%, respectively.

**Composition of the selection Jury:** Dr José Vicente (ist33380), Dr Jorge Santos (ist23842) and Dr Carlos Silva (ist23913)

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



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**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 within 30 working days, both counted from the respective notification

**Application deadline and formalization:** The call is open from December 26, 2024 until January 10, 2025.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<http://drh.tecnico.ulisboa.pt/bolseiros/formularios/> ); ii) *Curriculum Vitae*; iii) academic degree certificate, where applicable; iv) proof of enrollment at an academic degree course or 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, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions, and has not held any other fellowship directly or indirectly funded by FCT.

Applications must be submitted to the email: [bolsas@drh.tecnico.ulisboa.pt](mailto:bolsas@drh.tecnico.ulisboa.pt)



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