

(BL72/2026-IST-ID)

Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship(s), within the framework of *HERO* do IPFN/DECN, 2024.14836.PEX, PEP:1801P.01679.1.01.01, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Materials Engineering

Admission Requirements: *To be enrolled at an integrated master or a master.*

Workplan: The goal of this fellowship is to develop materials for hydrogen storage. The project involve the production and characterization of the W-based alloys. The student should perform the following tasks:

- 1- Production of the metallic powders
- 2- X-ray diffraction of the powders
- 3- Microstructural observation of the powders using scanning electron microscopy
- 4- Studies of hydrogen adsorption/desorption

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 CTN/IPFN of IST, under the scientific supervision of Doctor Marta Dias.

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in July of 2026 and may cannot be renewed.

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-2026/>), the amount of the monthly maintenance allowance is € 1090,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following:

1. Curricular evaluation 50%
2. Interview 25%

Composition of the selection Jury: Dra. Marta Dias (ist 46980), Dr. Rodrigo Mateus (ist 24807) and Dr. Bernardo Monteiro (ist427599).

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 April 20 until May 4, 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 an academic degree course (Master, Integrated Master); v) motivation letter;

Applications must be submitted to the email: marta.dias@ctn.tecnico.ulisboa.pt



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