

1 Research Studentships for PhD students

Applications are open for 1 Research Studentship for PhD Students, within the framework of project Responsible.AI (1801P.01320.1.01 Contrato nº 12 - IST-ID) financed by national funds PRR (Plano de Recuperação e Resiliência), through IAPMEI - Agência para a Competitividade e Inovação, under the following conditions:

Scientific Area: Biomedical Systems and Biosignals

Admission Requirements: *To be enrolled at a PhD, at the starting date of the grant contract.*

Workplan: The fellow will analyse intracranial electrophysiological data recorded from patients undergoing deep brain electrical stimulation with the aim of analysing causality in neuronal networks, based on information theory and graph signal processing.

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 Regulation for Research Studentships and Fellowships, available on <https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>.

Workplace: The work will be developed at Institute for Systems and Robotics (ISR-Lisboa) of Instituto Superior Técnico, under the scientific supervision of Professor Patrícia Figueiredo.

Duration: The research fellowship will have the duration of 9 months. It is expected to begin in April 2025 and may eventually be renewed up to the maximum of 48 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1259,64, being the payment method of the Fellow by wire transfer.

Selection methods: The selection methods will be the following: 1) relevance of academic degree and respective grade (25%); 2) training in information theory and graph signal processing, and experience in the analysis of intracranial electrophysiology signals (25%); 3) motivation letter (25%); e 4) global evaluation by the jury (25%). The jury will interview up to a maximum of three candidates with the highest marks. In order to make a more objective assessment of some of these criteria, the interview will count 50% towards each of the above criteria.

Composition of the selection Jury: Professors Patricia Figueiredo, Athanasios Vourvopoulos, and João Sanches.

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, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from March 3 until March 17, 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) *Official* academic degree certificate;
- iv) Proof of enrollment in a doctoral program;
- v) motivation letter;

Applications must be submitted at <https://welcome.isr.tecnico.ulisboa.pt/opportunities/>