(BL296/2024_IST-ID)

1 Research Studentship for students of a course that does not award an academic degree

Applications are open for one Research Studentship for students of a course that does not award an academic degree, within the framework of project Center for Responsible AI, reference 1801P.01320.1.01 Responsible.AI_ Contrato nº 62 - IST-ID, financed by national funds through PRR, under the following conditions:

Scientific Area: Artificial Intelligence.

Admission Requirements: a) To hold a master 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; b) 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.

Workplan: This work aims to develop a novel machine learning method for the analysis and classification of histopathology images. Specifically, the proposed approach will be based on weakly supervised multiple instance learning (MIL) and graph-based neural networks applied to whole slide images. The developed approach aims to be robust to domain shifts and data biases, to ensure better generalization when evaluated on new datasets.

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 Instituto de Sistemas e Robótica (VisLab), from Instituto Superior Técnico, under the scientific supervision of Professor Catarina Barata.

Duration: The research fellowship will have a duration of 3 months. It is expected to begin in January and may eventually be renewed for up to 6 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: Curriculum evaluation (50%) and previous experience on the topics related to the grant (50%). The candidates may be invited for an interview, for additional discrimination between levels of expertise.

Composition of the selection Jury: Professors Catarina Barata, José Santos Victor and Alexandre Bernardino.

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 December 9 until December 20,2024.

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) Proof of enrollment at an academic degree course (Master, Integrated Master);
iv) Motivation letter.

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