

(BL266/2024-IST-ID)

Research Studentships (PhD students)

Applications are open for 1 Research Studentship, within the framework of eGamesLab/IST-ID nº26, within the scope of the PRR, under the following conditions:

Scientific Area: Electrical Engineering and Computer Engineering and Diagnosis, Therapeutics and Public Health - Subarea: Scientific Area of Exercise Physiology and Sports Sciences

Admission Requirements: *To be enrolled at a PhD.*

Workplan: Development of Virtual Games for Health and Well-being/ Development of Virtual Games for sports training and rehabilitation.

Main tasks:

- Conduct different assessments using sensor-based technologies and applications, such as location, movement, speed, acceleration, force, and physiological components (temperature, ECG, EMG, EDA, EEG).
- Conduct different types of research: analytical, descriptive, experimental, and qualitative in the following areas: Virtual Games for Health and Well-being and Games for training abilities and sports rehabilitation.
- Implement/support interventions based on personalized Virtual Games programs.
- Conduct assessments with the general population or individuals with special considerations (i.e., cardiovascular, metabolic, and psychological disorders) on physiological parameters based on personalized Virtual Games programs during the intervention.

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 carried out at ITI / LARSyS of Instituto Superior Técnico, under the scientific supervision of Prof. Dr. Élvio Rúbio Gouveia.

Duration: The scholarship will have a duration of 12 months, with a planned start in January 2025. The scholarship contract may be renewed for a maximum of 24 months, including the duration of the initial contract. When the academic degree or diploma is awarded during the term of the scholarship contract, it can be concluded under the established contractual terms.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1259.64, being the payment method by wire transfer.

Selection methods: The selection methods will be the following: curriculum evaluation and individual interview (remote or in-person), with the respective weighting of (1) Curriculum Evaluation: 50%; (2) Individual Interview: 40%; (3) Motivation Letter: 10%

Composition of the selection Jury: Professor Duarte Nuno Jardim Nunes, Professor Doutor Pedro Filipe Pereira Campos (UMa), and Professor Doutor Élvio Rúbio Quintal Gouveia (UMa).

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 for applications is open from November 27 until December 10, 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) academic degree certificate, where applicable; iv) proof of enrollment at an academic degree course (PhD); v) motivation letter;

Applications must be submitted to the email: susana.nobrega@tecnico.ulisboa.pt & erubiog@staff.uma.pt