

(BL270/2024-IST-ID)

1 Research Studentships for PhD students

Applications are open for one Research Studentship for PhD Students, within the framework of project 1801P.01158.1.06 – LASEEB LAB/ISR, with the reference LA/P/0083/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Biomedical Systems and and Biosignals

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

Workplan: The fellow will develop open-source tools for quantitative magnetic resonance imaging data. This will include pulse sequence implementation and optimization, data acquisition and post-processing for T2 estimation in phantoms and human knee cartilage.

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 Systems and Robotics of Instituto Superior Técnico, under the scientific supervision of Professor Rita Nunes.

Duration: The research fellowship will have the duration of 6 months. It is expected to begin in January 2025, and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract.

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), the amount of the monthly maintenance allowance is €1259,64, being the payment method an option 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) experience of research in quantitative magnetic resonance imaging (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, provided these are positive (above 10 over 20). To enable 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 Rita Nunes, João Sanches and Patrícia Figueiredo.

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 October 30 until November 13, 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) 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/>



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