

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

Applications are open for one Research Studentship, 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:

*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 two years in this type of studentship, continuously or with interruptions.*

**Workplan:** The scholarship holder will develop and optimize open-source deep learning tools to automatically plan the different views used in cardiac imaging exams with Magnetic Resonance Imaging.

**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 a duration of 3 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](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) research experience in cardiac magnetic resonance imaging and the use of deep learning methods (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.



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**Application deadline and formalization:** The call is open from December 20, 2024 until January 8, 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 enrolment at an academic course that does not award an academic degree;
- v) Motivation letter.

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



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