

(BL100/2025-IST-ID)

Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship, within the framework of 1801P.01495.1.01 LAIfeBlood+ - Data Science for Blood Management, 2024.07475.IACDC, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Systems Engineering (EMS-SIS)

Admission Requirements: *To be enrolled in the Masters in Industrial Engineering and Management in IST.*

Workplan: The work plan involves the development of generic and innovative methodologies for managing the blood supply chain, particularly for the integrated strategic management of the supply chain comprising collection, production, inventory, and distribution of blood, aiming to improve efficiency, ensure equity in blood distribution, and minimize waste. Decision-support tools will be developed based on historical data to enhance blood supply chain planning. These tools will be based on optimization approaches (optimization models, multi-objective models, and heuristics). The approaches to be developed will be tested and validated in collaboration with the Instituto Português do Sangue e da Transplantação (the blood supply chain management public institution in Portugal).

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 Centre for Management Studies of Instituto Superior Técnico, under the scientific supervision of Professor Ana Paula Ferreira Dias Barbosa Póvoa and of Professor Inês Marques Proença.

Duration: The research fellowship will have the duration of 6 months. It is expected to begin in May 2025, and may be eventually renewed until the end of the project, with the limit 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 may be concluded under the established contractual terms.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025/>), the amount of the monthly maintenance allowance is € 1040.98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: 1) Curriculum evaluation, considering experience in the area of Industrial Engineering and Management and in Blood Supply Chain Management, accompanied by individual interview in case the jury considers it necessary, and 2) motivation letter, with the respective weight of 90% and 10%.

Composition of the selection Jury: Ana Paula Ferreira Dias Barbosa Póvoa, Inês Marques Proença, Daniel Rebelo dos Santos.

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 April 14 until April 29, 2025.



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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 of MSc; v) motivation letter;

Applications must be submitted to the email: cegist@tecnico.ulisboa.pt



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