

(BL107/2022-IST-ID)

Research Studentships (for PhD students)

Applications are open for 1 Research Studentship, within the framework of project (1801P.00995.1.01) LAIfBlood_DSAIPA/AI/0033/2019 - IST-ID, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mechanical Engineering and Engineering Systems (Industrial Management)

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

Workplan: The workplan involves the development of generic and innovative methodologies for the improvement of blood collection activities and the redesign of the blood collection and transfusion network, so that it is more well-adjusted to demand, and costs and waste can be minimized. For this purpose, decision support tools alongside forecasting tools will be developed, based on information obtained through historical data, with the goal of improving the planning of blood collections. These tools will be based on optimization and forecasting approaches (optimization models, multi-objective models, forecasting models, heuristics and simulation). The approaches will be tested e validated with the Instituto Português do Sangue e da Transplantação.

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 Barbosa Póvoa.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in July 2022, and may be eventually renewed up to the maximum of 3 months.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is €1 144,64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: 1) curricular evaluation, accompanied by an interview in case the jury deems it necessary, and 2) motivation letter, with the respective weight of 90% and 10%.

Composition of the selection Jury: Ana Póvoa; Daniel Santos; Bruna Mota.

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 May 30 until June 14, 2022.

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: cegist@tecnico.ulisboa.pt