

Scientific Initiation Studentships

Applications are open for three (3) Scientific Initiation Studentships, within the framework of project/R&D institution (projeto de I&D Centro de Análise Funcional, Estruturas Lineares e Aplicações /R&D CEADEL (UIDB/04721/2020), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mathematics

Admission Requirements:

- a) *To be enrolled at a professional higher technical course, at a bachelor degree, at an integrated master or master degree; Must have basic knowledge in Functional Analysis.*
- b) *not to exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions;*

Workplan: Scientific Initiation work, under the scientific supervising of one of the members of CEADEL, in the areas of the Center for Functional Analysis, Linear Structures and Applications of:

- Operator Algebras and Index Theory;
- Riemann Hilbert Problems and Spaces of Analytical Functions;
- Applications to Numerical Analysis and Computational Algorithms.

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 Centro de Análise Funcional, Estruturas Lineares e Aplicações (CEADEL) of Instituto Superior Técnico (IST), under the scientific supervision of the members of CEADEL

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in September /2022 and may be eventually renewed up to the maximum of 6 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 €486.12, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *curriculum and motivation evaluation letter, with the respective valuation of 80% and 20%.*

Composition of the selection Jury: Maria Amélia Bastos, António Bravo e Helena Mascarenhas

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 July 6 until July 19, 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 or at a course that does not award an academic

degree; v) motivation letter; vi) declaration on honour that the applicant does not exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions, and has not held any other fellowship directly or indirectly funded by FCT.

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