

(BL182/2021_IST-ID)

Research Studentships (Master students)

Applications are open for one Research Studentship, within the framework of project NoDES, Nonlinear Dispersive and Elliptic Systems – new horizons in regularity, dynamics and asymptotic analysis, reference PTDC/MAT-PUR/1788/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mathematics

Admission Requirements:

- a) *Bachelor degree in Mathematics or similar area;*
- b) *To be enrolled at an Master degree*

Workplan: Study of reaction diffusion elliptic systems with divergence type operators, with the goal of obtaining new uniform estimates in Hölder spaces.

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 Matemática, Geometria e Sistemas Dinâmicos of Instituto Superior Técnico, under the scientific supervision of Professor Hugo Ricardo Nabais Tavares.

Duration: The research fellowship(s) will have the duration of 6 months). It's expected to begin in January 1, 2022, and may not be renewed.

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 € 835,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation, including previous experience in the tasks of the workplan, and motivation letter*, with the respective weight of 70% and 30%.

Composition of the selection Jury: The jury is composed by the IST professors: Hugo Tavares, Simão Correia and Jorge Drumond Silva.

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Application deadline and formalization: The call is open from 25 November until 10 December, 2021.

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 (Master, Integrated Master); v) motivation letter.

Applications must be submitted to the email: hugo.n.tavares@tecnico.ulisboa.pt