

(BL11/2022-IST-ID)

### Research Studentship (PhD students)

Applications are open for one (1) Research Studentship(s), within the framework of project (title of the project HypnosAir - Understanding the impact of air quality on sleep quality considering an integrated human exposure approach, PTDC/CTA-AMB/3263/2021, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Environment/Chemistry

**Admission Requirements:** Master in Chemistry, Master in Chemical Engineering or Master in Environmental Engineering and *To be enrolled at a PhD.*

**Workplan:** This work aims to assess the urban population's exposure to air pollutants in several micro-environments (including sleeping environments) and to assess its impact on sleep quality, within the scope of the HypnosAir project (PTDC/CTA-AMB/3263/ 2021).

For this purpose, sampling/monitoring campaigns of atmospheric pollutants will be done by using reference methods and based on low-cost sensors. The oxidative potential of aerosols from indoor and outdoor environments will also be assessed. Participation in the communication and dissemination activities of the HypnosAir project.

**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 C2TN – Centro de Ciências e Tecnologias Nucleares no Campus Tecnológico e Nuclear, Estrada Nacional 10 (km 139,7), 2695-066 Bobadela LRS, of Instituto Superior Técnico, under the scientific supervision of Dr. Nuno Henrique Varela Canha.

**Duration:** The research fellowship(s) will have the duration of 12 months. It's expected to begin in February 2022, and may be eventually renewed up to the maximum of 36 months. When the academic degree or diploma is awarded during the term of the scholarship contract, it can be concluded under the established contractual terms.

**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 € 1 104,64, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection method will be the following: 1) evaluation of curriculum vitae of the candidate taking into account its suitability for the proposed work program and 2) evaluation of the candidate's performance in an interview.

Each item will be valued on a scale of 0-20, with the following weighting: Curriculum vitae (80%) and interview (20%).

**Composition of the selection Jury:** Nuno Canha (Chairman), Susana Marta Almeida (Effective Member), Joana Lage (Effective Member), Vânia Martins (Substitute Member) and Miguel Felizardo (Substitute Member).

**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 17 until 28 of January of 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; iv) proof of enrollment at an academic degree course of PhD; and v) motivation letter.

Applications must be submitted to the email: [nunocanha@ctn.tecnico.ulisboa.pt](mailto:nunocanha@ctn.tecnico.ulisboa.pt)