

(BL126/2023-IST-ID)

Post-Doctoral Research Fellowships

Applications are open for one Research Studentship, within the framework of project/R&D institution *BrightFIGS- Brighter Future for Image Guided Surgery* /IST-ID, refª 2022.05950.PTDC, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Chemistry, Chemical Engineering, Materials Engineering and related

Admission Requirements:

- a) to hold a PhD degree obtained in the 3 years previously to the submission of the fellowship application;
- b) to have carried out the research work that led to the PhD degree in a different entity from the host institution of the fellowship;
- c) Not to exceed, with this fellowship contract, including the possible renovations, an accumulated period of 3 years in this type of fellowship, continuously or with interruptions;
- d) Not to have previously held a post-doctoral fellowship from IST-ID.

Workplan: The work is to be developed within tasks 2, 3 and 4 of the project that aims at the synthesis of Near-Infrared fluorescent silica nanoparticles functionalized with a polymer shell that includes targeting ligands for accumulation in cancer cell. The work includes the synthesis, and chemical, photophysical and structural characterization of the nanoparticles.

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 Química Estrutural of Instituto Superior Técnico, under the scientific supervision of Dr. Ermelinda Mações.

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in May/2023, and may be eventually renewed up to the maximum of 30 months.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), the amount of the monthly maintenance allowance is € 1741,00, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation (90%) where the relevance of the academic and research path to the work plan will be considered, 2) motivation letter (10%). An individual interview may be requested from the candidates that are ranked in the top positions to complement the curriculum evaluation.*

Composition of the selection Jury: Ermelinda M. S. Mações, Carlos M. C. Baleizão e José P. S. Farinha

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 19 until May 10, 2023.

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) motivation letter; v) declaration on honour that the applicant does not exceed with this contract an accumulated period of three years in this type of fellowship, continuously or with interruptions, within the technological and scientific system, and that the research work that led to the PhD degree was carried out in a different entity from the host institution of the fellowship.

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