

Announcement
Research fellowship

Reference: Fellow/GOGRAFT/INEB/1011/2022

INEB and i3s – Institute for Research and Innovation in Health (hereinafter i3S) is opening a call to award a grant for the development of R&D activities by Master Graduates enrolled in a non-academic degree course integrated into the educational project of a higher education institution, within the project GO-Graft – a synthetic vascular graft for coronary artery bypass grafting financed “The project is funded by ”la Caixa” Foundation within the framework of the CaixaResearch Validate programme”.

Host Institution: i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal/ INEB – Instituto de Engenharia Biomédica

Scientific Area: Bioengineering.

Project Title: GO-Graft – a synthetic vascular graft for coronary artery bypass grafting

What does the job involve?

The candidate’s work plan will focus on R&D of a medical device, the GO-Graft: a synthetic blood vessel to be used as a vascular graft for coronary and peripheral bypass grafting. This includes 3D manufacturing tasks of the final prototype of the GO-Graft (electrospinning, 3D printing or molding) and its characterization regarding mechanical and biological properties (cytocompatibility and hemocompatibility).

This is a technology transfer project and therefore the candidate will be in direct contact with different stakeholders involved in the development of cardiac medical devices, such as medical device companies, raw material suppliers and CRO focused on regulatory affairs.

What are the requirements for the role?

Mandatory requirements - MSc degree in Bioengineering, Biochemistry, Biomedical engineering, or related area (weighted average of BSc and MSc classification > 14/20, calculated by applying the following formula: $GPA_s = 180 \times BSc\ GPA + 120 \times MSc\ GPA / 300$)

Preferential requirements - demonstrated experience in polymers, 3D manufacturing techniques, cell culturing and/or mechanical testing. Good English communication skills.

What we offer?

- Opportunity to join a research team that works in all stages of biomaterials development, from bench to bedside
- Possibility to embrace a challenge in the technology transfer world
- Prospective of career progressing (proceed for PhD studies)

Legislation and other applicable regulations: Research Fellowship Holder Statute enacted by Law no. 40/2004 of August 18th, as amended; FCT Research Grants Regulation, approved by way of Regulation nr. 950/2019, published in the II Series of DR of December 16th, 2019; INEB Research Grants Regulation.

Place: The research activities will be hosted at i3S, under the scientific coordination of Dr. [Andreia Pereira](#) in the [Advanced Graphene Biomaterials](#) group.

Length time: The duration of the fellowship is 12 months. The expected starting date is 1st January 2023.

Monthly maintenance stipend: €1.144,64 according to the values table of FCT, at Portugal (https://www.fct.pt/apoios/bolsas/docs/Tabela_de_Valores_SMM_2022.pdf). The payments will be made by bank transference.

Research grants may also include other components, as the voluntary social insurance, under the terms of the Research Fellowship Holder Statute, article 10.

Evaluation Criteria: The selection will be based on the scientific merit of the candidates and will encompass two stages: 1) curricular evaluation (total score 100%) through the analysis of the applicant's CV (60%), research experience with relevance for the project work plan (20%) and motivation letter (20%); 2) The most highly ranked candidates (up to 3) will be invited for an interview (final score: 70% curricular evaluation, 30% interview). The final classification system for candidates is expressed on a scale from 0 to 100.

Evaluation Panel: President – Andreia Pereira, Panel members: Inês Gonçalves, Patricia Henriques. Substitute – Cláudia Monteiro

Information and Publicity of Funding Granted: The evaluation results will be published on the i3S website. The candidates will be notified by email. Candidates have a period of ten working days to, if they wish, to express their opinion, by email rh@ineb.up.pt.

Applications: The call will be open between **10th to 30th of November 2022**. The applications must be submitted electronically at:

<https://DOZER.i3s.up.pt/applicationmanagement/#/addapplications/FellowGOGRAFTINEB10112022>

The **required documents composing the applications** are: Certificate of Qualifications, Curriculum Vitae, letter of motivation, proof of enrolment in non-academic degree courses integrated into the educational project of a higher education institution or a honor statement of capacity to enroll in the aforementioned courses until the grant is contracted, a reference letter, and other documents, considered as relevant by the candidate.

Documents to be provided at the time of contracting: in addition to those mentioned in the previous point, it is necessary to present proof of enrolment in non-academic degree courses integrated into the educational project of a higher education institution.

All candidates who **formalize the application** in an **improper way** or **fail to prove the requirements** imposed by this tender are **excluded from admission**.

Non-discrimination and equal access policy: INEB actively promotes a nondiscrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality,



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ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Drafts of the fellowship contract and of the report to be performed by the supervisor and the research fellow are available at:

https://www.ineb.up.pt/sites/default/files/FellowshipRegulation_approved%20FCT_5feb2020_PT.pdf