CALL FOR APPLICATIONS FOR SCHOLARSHIPS WITHIN THE R&D PROJECT
Optimizing Home Health Care 1.0 (2024.17418.PEX), FUNDED BY
FCT-Fundação para a Ciência e Tecnologia (Foundation for Science and Tecnology)
(BII_B_2026-01)

A call for applications is open for the award of three (3) **research initiation scholarships** for Bachelor's students within the scope of the R&D project **Optimizing Home Health Care 1.0 (2024.17418.PEX)**, hosted by ISEG Research/CEMAPRE/ISEG Lisbon School of Economics and Management, with financial support from FCT – Foundation for Science and Technology, under the following conditions.

Scientific Field: Mathematics and Computer Science.

Admission Requirements: The scholarships are intended for the development of work provided for under Article 2, n.º 1, item a) of the Statute of the Research Fellow (Estatuto do Bolseiro de Investigação), as amended by Decree-Law No. 123/2019, of 28 August. Candidates who comply with the provisions of Articles 5 and 9 of the Research Grant Regulations of the Foundation for Science and Technology (Regulamento de Bolsas de Investigação da Fundação para a Ciência e Tecnologia) are eligible, namely students enrolled in a first-cycle higher education programme in Mathematics or Computer Science, or in related fields deemed relevant by the selection panel, with a significant component of training in Mathematics, Combinatorial Optimization, and Computer Programming.
The following skills will be considered an advantage: knowledge of mathematical programming and computer programming, initiative, critical thinking, autonomy, creativity, and the ability to work in a team.
Candidates must have a good command of both spoken and written Portuguese and English.
Candidates must be permanently and habitually resident in Portugal as of the starting date of the scholarship.
Candidates must not have previously benefited from a research fellowship directly or indirectly funded by FCT.

Work Plan: Development and computational implementation of heuristics and mathematical programming models for solving problems arising in the context of home healthcare, as well as the collection and processing of the corresponding computational results.

The scholarship holder must submit, within 60 working days after the end of the scholarship, an electronic final report describing the activities carried out and the results obtained, accompanied by the opinion of the supervisor(s). The report must be sent to the email addresses cemapre@iseg.ulisboa.pt and crequejo@iseg.ulisboa.pt, with the reference "**BII_B_2026-01 Final Report**" in the "Subject" field of the email.

Applicable Legislation and Regulations: Law No. 40/2004 of 18 August, as amended (Statute of Scientific Research Fellows: Estatuto do Bolseiro de Investigação Científica); Regulation No. 950/2019 of 29 November, published in the *Diário da República*, 2nd Series, No. 241, of 16 December (Research Fellowship Regulations: Regulamento de Bolsas de Investigação da FCT, I.P.); Order No. 6238/2020, as amended by Order No. 8061/2022 (Research Fellowship Regulations of the Universidade de Lisboa: Regulamento de Bolsas de Investigação da Universidade de Lisboa); Decree-Law No. 66/2018 of 16 August (Legal framework for the recognition of academic degrees and higher education diplomas awarded by foreign higher education institutions: Regime jurídico de reconhecimento de graus académicos e diplomas de ensino superior atribuídos por instituições de ensino superior estrangeiras).

Place of Work: The activities related to the scholarship will be carried out at ISEG – Lisbon School of Economics and Management, under the scientific supervision of Professor Cristina Requejo.

Duration of the Scholarship(s): The scholarships will have a duration of four (4) months, with the expected starting date in January 2027.
The scholarship agreements may be renewed, where applicable, up to a maximum cumulative period of 12 months and for as long as the project remains eligible.

Following the scholarship award procedure, if the duly approved final ranking list contains a number of successful candidates greater than the number of scholarships to be awarded, an internal reserve list will be established. This reserve list may be used within a maximum period of 12 months from the date on which the final ranking list is approved, should it become necessary to fill a vacancy resulting from the withdrawal of the scholarship holder.

Monthly Maintenance Allowance: The scholarship amount is 701,12€, in accordance with the table of scholarship values awarded directly by FCT, I.P. in Portugal (Tabela-de-Valores-SMM-2026.pdf). The scholarship will be paid monthly by bank transfer. In addition to this amount, Personal Accident Insurance and Voluntary Social Security contributions, where applicable, corresponding to the first contribution bracket, will be covered if the candidate opts for this benefit.

The scholarship holder shall perform their duties on an exclusive dedication basis, pursuant to Article 5 of the Statute of Scientific Research Fellows.

Selection Methods: The assessment will be based on the candidates' merit. The selection methods to be used are as follows: Curriculum Vitae (50%) and interview (50%). The interview will take place on a date to be determined by the Selection Committee and may be conducted in person or remotely. Candidates will be contacted accordingly.
The Selection Committee reserves the right not to select candidates from among those applying for the position if the required criteria are not met (a total final score of more than 75%).

Selection Committee:
Chair: Professor Cristina Requejo (ISEG Research/CEMAPRE);
Members: Professor Cândida Mourão (ISEG Research/CEMAPRE);
Professor Raquel Bernardino (ISEG Research/CEMAPRE);
Alternate Members: Professor Leonor Pinto (ISEG Research/CEMAPRE);
Professor Ana Neto (ISEG Research/CEMAPRE).

Application Period and Submission of Applications: The call for applications is open from **19 October to 15 November**. Only applications submitted within the established deadline will be accepted.
Applications must be formally submitted by sending an application letter/email accompanied by the following documents: Curriculum Vitae, academic transcripts/certificates (Bachelor's and Master's degrees), including a breakdown of the grades obtained in each curricular unit, and any other supporting documents deemed relevant. Applicants must also provide the email address to which they agree to be notified, by virtue of having provided it, for all purposes related to this procedure.
The application and all accompanying documents may be submitted in Portuguese or English.
No document that should have been submitted as part of the application may be submitted after the deadline established in the call for applications.

Documents proving the award of academic degrees and diplomas, or their recognition when awarded by foreign higher education institutions, may be waived at the application stage and replaced by a declaration of honour from the candidate. Verification of this requirement will only take place at the scholarship contracting stage.

Applications must be submitted by email to crequejo@iseg.ulisboa.pt, with the reference "**BII_B_2026-01 Application"** indicated in the "Subject" field of the email.

Publication/Notification of Results: The assessment results will be published on the CEMAPRE website at https://cemapre.iseg.ulisboa.pt/ and on the project website at https://opthcare.iseg.ulisboa.pt/ , in the form of a ranked list, and will be sent to the candidates by email, in accordance with the rules established in Chapter III, Section 1, Article 12 of the Research Fellowship Regulations (Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia, I. P.).

ISEG Lisbon School of Economics and Management, Universidade de Lisboa, Octiber 2026

The Chair of the Selection Committee

Cristina Requejo

Associate Professor

ISEG Lisbon School of Economics and Management, Universidade de Lisboa

Members

Cândida Mourão

Full Professor

ISEG Lisbon School of Economics and Management, Universidade de Lisboa

Raquel Bernardino

Auxiliar Professor

ISEG Lisbon School of Economics and Management, Universidade de Lisboa