

(BL77/2026_IST-ID)

NOTICE FOR THE AWARD OF SCHOLARSHIPS WITHIN THE SCOPE OF R&D PROJECTS AND INSTITUTIONS

PhD Student Research Scholarship

A call is now open for the award of one Research Scholarship, within the scope of the R&D project/institution DAEDALUS European Research Council Consolidator Grant (ID 101169975) IST-ID (1801P.01700.1.01.01), funded by national funds through the European Union / Horizon Europe under the following conditions:

Scientific Area: Intelligent Systems, Interaction and Multimedia and Animal Biology

Admission requirements: *be enrolled in a PhD programme (at the date of signing the scholarship contract).*

Work plan: The work plan for this doctoral scholarship focuses on the development and application of an experimental approach to study inner ear fluids in vertebrate animals, in particular endolymph and perilymph, combining surgical procedures, controlled sample collection, electrochemical analyses and evaluation of their physical properties through passive microrheology. The work will include a literature review, technical training, preparation of the experimental component and validation of methods, followed by the implementation of procedures for accessing the inner ear and extracting fluids under suitable conditions of quality and reproducibility. The collected samples will be analysed to characterise their electrochemical behaviour and their viscosity and possible viscoelastic properties, using techniques suitable for microvolumes. The data obtained will then be integrated and compared among different types of fluid, experimental conditions and animal models, with the objective of better understanding the relationship between the biophysical properties of these fluids and vestibular and auditory function, including in extinct animals. The project is expected to establish a robust methodology, generate original results relevant to inner ear physiology, and produce scientific publications and a high-quality doctoral thesis.

Applicable legislation and regulations: Law No. 40/2004 of 18 August (Statute of the Scientific Research Fellow), as amended by Decree-Law No. 123/2019 of 28 August; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04>

Workplace: The work will be carried out at CERENA and CTN of CERENA of IST-ID, under the scientific supervision of Professor Ricardo Araújo.

Duration of the scholarship(s): The scholarship will have a duration of 48 months, with an expected start in October 2026, including the initial contract period. When the academic degree or diploma is awarded during the term of the scholarship contract, the scholarship may be completed under the established contractual terms.

Monthly maintenance allowance amount: The amount of the scholarship corresponds to €1609.64, payment will be made monthly by bank transfer, according to the Fellow's chosen method.

Selection methods: The selection methods to be used will be the following: curricular evaluation and, if the candidate is deemed suitable, an individual interview (the individual interview shall comply with the principles of equality, impartiality and transparency, aiming only at the objective clarification of academic, scientific and motivational elements relevant to the candidate's evaluation). Candidates will be selected on the basis of two methods, assessed on a scale from 0 to 20 points: curricular evaluation and individual interview. Curricular evaluation will have a weighting of 50%, focusing on academic merit, training and previous experience relevant to the work plan. The individual interview will have a weighting of 50% and is intended to assess the candidate's motivation, understanding of the project's objectives, scientific reasoning ability, aptitude for autonomous and

team work, as well as the suitability of the profile for the proposed tasks. The final classification will be obtained using the formula: $FC = (CE \times 0.50) + (II \times 0.50)$, in which CE corresponds to curricular evaluation and II to the individual interview.

Selection Committee composition: Prof. Ricardo Araújo, Prof. Paulo Lobato Correia

Form of publication/notification of results: All candidates will be notified of the Final Evaluation Result by e-mail.

Deadlines and procedures for prior hearing, complaint and appeal: After notification of the provisional list of evaluation results, candidates shall have a period of 10 working days to comment, if they so wish, within the framework of the prior hearing of interested parties, under the terms of Articles 121 and following of the Code of Administrative Procedure. The final decision shall be issued after analysis of the statements submitted during the prior hearing of interested parties. A complaint may be lodged against the final decision with the Selection Committee, or an appeal may be submitted to the President of IST-ID, within 15 working days counted from the respective notification.

Application deadline and form of submission of applications: The call is open from May 19 until June 18, 2026.

Applications must be formalised, mandatorily, by sending the following documents: i) Form B1 – Application for a Research Scholarship (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>), ii) *Curriculum Vitae*; iii) qualification certificate; iv) proof of enrolment in a study cycle leading to the award of an academic master's degree; v) motivation letter.

These documents must be sent by e-mail to: Ricardo.araujo@tecnico.ulisboa.pt and paulo.lobato.correia@tecnico.ulisboa.pt .