



NOTICE OF OPENING OF AN INTERNATIONAL CALL FOR THE SELECTION OF A PhD HOLDER RESEARCHER

Internal code: Researcher/HORIZON_ AI4LUNGS/i3S/2206/2026

A call is opened for the position of a PhD holder, for an unfixed term work contract to carry out research duties within the project “AI4LUNGS: AI-based personalised care for respiratory disease using multi-modal data in patient stratification”, Grant Agreement 101080756, funded by the European Union under the Horizon Europe programme through the HORIZON-RIA action.

Scientific Area: Biomedical Sciences, Health and Life Sciences

1. Project summary and work plan

The project aims to develop and validate novel Artificial Intelligence (AI)-based tools and computational models to improve patient stratification optimising diagnosis and treatment of lung diseases. The work plan specifically focuses on evaluating molecular alterations detected in liquid biopsies of lung cancer patients. It includes molecular profiling, encompassing the analysis of circulating tumor cells and circulating nucleic acids, with the aim of generating clinically relevant data to support and enhance the performance of the AI tools developed within the project.

2. Applicable Portuguese legislation

Portuguese Labor Code, in its current wording

3. Jury

Chairman: José Carlos Machado; Other Members: Paulo Canedo, Jorge Lima; Substitute: Patrícia Carneiro, Carlos Resende.

4. Workplace

i3S - Rua de Alfredo Allen, 208 Porto, research group research group Intercellular Communication and Cancer

5. Professional category and monthly remuneration

Junior Researcher

€ 2.408,11, corresponding to index 33 of the Tabela Remuneratória Única, whose application is intended for PhD holders with reduced post-doctoral experience or without a post-doctoral scientific curriculum.

6. Obligatory requirements for admission

- PhD degree in Life and Health Sciences;
- Highly motivated candidate with experience in the field of Oncobiology, including previous work in Lung Cancer;
- Previous experience in Liquid Biopsies, Circulation Tumour Cells, Circulating Tumour Cell Isolation Methods, Biobanks, Immunofluorescence, Cell Isolation, Cell Culture;



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- d) Previous experience in Computational Bioimaging Methods based on image-processing algorithms for the automated integration of cellular phenotypic and molecular characteristics.
- e) Previous involvement in Research Projects aiming to identify Circulating Tumour Cells;
- f) Publications in international peer-reviewed journals, preferably in the field of Oncobiology;
- g) Proficient in spoken and written English;
- h) Good teamwork and interpersonal skills;
- i) Immediate availability to start the contract.

7. Evaluation of the applications and publication of the results

The evaluation of the scientific and curricular background of the candidates should focus on the activity of the last five years that the candidate considers most relevant. The five-year period may be extended by the jury, at the candidate's request, when justified by suspension of scientific activity for socially protected reasons, namely for reasons of parental leave, prolonged serious illness, and other situations of unavailability for work that are legally protected.

Weight of the different curricular valuation criteria:

- a) Scientific and technological experience relevant to the development of the research project (35%);
- b) Scientific training and experience in Oncobiology (30%);
- c) Experience in computational bioimaging (15%);
- d) Interview - *facultative* (20%).

In order to obtain clarifications and additional information about the curricular elements presented, the 3 (three) best candidates may be interviewed. Candidates who do not have an interview will have a maximum classification limit of 80%.

Candidates who submit their application incorrectly or fail to meet the required qualifications for this competition will be excluded from admission.

The jury reserves the right to request any candidate, in case of doubt, to provide supporting documents for their statements.

False statements made by candidates will be sanctioned in accordance with the law.

The jury will draw up minutes of its meetings, which can be consulted at the candidate's request within 10 working days after the selection results are released.

The jury deliberates by means of a reasoned vote according to the evaluation criteria, with no abstentions allowed, and draws up a list of excluded and admitted candidates, ordered by respective classification.

All candidates are notified of the selection results by email. After notification, candidates have 10 working days to comment.





In the 90 days following the deadline for submission of applications, the jury's final decision is communicated to the candidates. Subsequently the institute Director, who is also responsible for the final decision of hiring, will ratify the decision of the jury.

This call is intended exclusively to fill the indicated position on offer and may be canceled before the final ranking list of candidates is ratified by the Director. Accordingly, the position will no longer be available.

8. Submission of applications

Applications must include all the documents proving that they fulfill the admission requirements, namely:

- a) PhD degree in / Copy of certificate or diploma;
- b) Detailed Curriculum Vitae.

The submission of applications is digital, in pdf format, from June-22 to July-06, 2026, in the following link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/b41bdb58dfd677f761e6ba852ce8326>

9. Start and duration of the contract

The anticipated start date of the contract is August 1st, 2026, and is subject to budget availability. The expected duration of the contract will be 12 months, possibly extendable, and may not in any case exceed the end date of the project, currently scheduled for December 31, 2027.

10. Non-discrimination and equal access policy

i3S actively promotes a policy of non-discrimination and equal access. No applicant shall be privileged, benefited, prejudiced, or deprived of any right or exempted from any duty on the basis of ancestry, age, gender, sexual orientation, marital status, family situation, economic situation, education, origin or social condition, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs, or trade union membership.

Within the framework of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, i3S adopts the Open, Transparent and Merit-based (OTM-R) principles for the recruitment of researchers, with the aim of conducting fair and transparent recruitment processes, bringing equal opportunities to all candidates.

11. Applicants with disabilities

Under the terms of Decree-Law 29/2001, of February 3, the candidate with a disability is given preference in equal ranking, which takes precedence over any other legal preference. Candidates must declare under oath their degree of disability, the type of disability and the means of communication/expression to be used in the selection process, under the terms of the aforementioned decree.

