



## ANNOUNCEMENT OF AN INTERNATIONAL CALL FOR THE SELECTION OF A PhD HOLDER RESEARCHER

Internal code: **Researcher/FCT\_RESTART/i3S/0711/2024**

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 "Unveiling peroxisomal homeostasis mechanisms – the role of LonP2", with reference 2023.02428. RESTART, funded by Fundação para a Ciência e Tecnologia IP.

**Scientific Area:** Life Sciences

### 1. Project summary and work plan

Peroxisomes are dynamic organelles involved in several metabolic pathways, such as the oxidation of fatty acids or plasmalogen synthesis. The enzymes that partake in these pathways also generate huge amounts of H<sub>2</sub>O<sub>2</sub>, a reactive oxygen species (ROS), which has to be quickly inactivated to avoid protein and lipid damage. Although peroxisomes harbor several anti-oxidative enzymes, such as catalase, oxidative damage still occurs and leads to protein aggregation and dysfunction. LONP2 is an ATP-dependent protease present in mammalian peroxisomes. Its homology with bacterial and mitochondrial Lon proteases suggests that it may have a role on the peroxisomal protein quality control system. However, data that support this claim are scarce, with the mammalian LONP2 function and the nature of its substrates remaining obscure. The aim of this project is to functionally characterize the mammalian LONP2 and to identify its physiological substrates. The ultimate goal is to understand the role of LONP2 on the maintenance of cellular homeostasis and, consequently, its role in oxidative stress- and ageing-related disorders.

### 2. Applicable Portuguese legislation

Decree no. 57/2016, of August 29 - Legal Regime of Scientific Employment RJEC - in its current wording

Portuguese Labor Code, in its current wording

### 3. Jury

Chairman: Jorge Azevedo, PhD; Other Members: Rosário Almeida, PhD e Luís Gales, PhD

### 4. Workplace

i3S - Rua de Alfredo Allen, 208 Porto, research group Organelle Biogenesis and Function

### 5. Professional category and monthly remuneration

Junior Researcher Level 2

€2.566,01, Junior Researcher, corresponding to index 38 of the Tabela Remuneratória Única, whose application is intended for PhD holders with reduced post-doctoral experience or without a post-doctoral scientific curriculum.

INSTITUTO  
DE INVESTIGAÇÃO  
E INOVAÇÃO  
EM SAÚDE  
UNIVERSIDADE  
DO PORTO

Rua Alfredo Allen, 208  
4200-135 Porto  
Portugal  
+351 220 408 800  
info@i3s.up.pt  
[www.i3s.up.pt](http://www.i3s.up.pt)

## 6. Obligatory requirements for admission

1. PhD degree in Biomedical Sciences, Molecular Biology, Biochemistry or related areas with, at least, five years of postdoctoral experience.
2. Experience in the biology of organelles, redox biology, and AAA ATPases.
3. Proficiency in biochemical techniques for the isolation of organelles and proteins and in *in vitro* reconstituted import systems, clearly demonstrated in the publication record;
4. Relevant publications in international peer-reviewed journals.
5. Proven experience in the (co-)supervision of PhD, Master and Bachelor students.
6. Experience in the management of projects, as PI or Co-PI.
7. Experience with laboratory animals (FELASA B or equivalent).

## 7. Evaluation of the applications and publication of the results

Under the terms of article 5 of RJEC, 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 candidates 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:

The evaluation focuses on the detailed *curriculum vitae*, in which emphasis should be placed on proven experience, peer-reviewed publications, ability to raise competitive funding and management of research projects, as Co- or Principal Investigator, experience in (co-)supervising bachelor, master and doctoral students and post-doctoral researchers.

#### A) Curriculum vitae (90%)

- Experience in research relevant to the area they are applying (45%)
- Participation/ Acquisition/ Management of Research projects relevant to the area they are applying (10%)
- Experience in supervision (7.5%)
- Experience with laboratory animals (2.5%)
- List of publications relevant to the area they are applying (25%)

#### B) Interview (10%)

Each member of the panel will value the criteria for each candidate, taking into account the requirements of the duties to be performed, the adequacy of previous experience, his/her relationship to the relevant areas and subareas.

The selection method will consider: candidate's curriculum vitae and its relevance to the needs of the research project.



If the jury decides to obtain further clarifications and additional information about the curricular elements presented, the 3 best candidates classified on the basis of the curriculum may be called for an interview.

Candidates are excluded from admission to this call if they do not fill out their application correctly or do not meet the obligatory admission requirements. If in doubt, the jury may ask any candidate additional documents in support of 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) Copy of certificate or diploma;
- b) Detailed Curriculum Vitae (maximum of 10 pages excluding publications);
- c) Other relevant documents.

The submission of applications is digital, in pdf format, from 7 to 20 November 2024, in the following link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/2363c7b02b99c8cc9dcbb43d6b3aca>

## **9. Start and duration of the contract**

The anticipated start date of the contract is 01/01/2025 and is subject to budget availability. The maximum duration of the contract will be 5 months.

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#### **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.