



## NOTICE OF OPENING OF AN INTERNATIONAL CALL FOR THE SELECTION OF A PhD HOLDER RESEARCHER UNDER DECREE-LAW NO. 57/2016

**Internal code: Researcher/FCT\_Proj2022/i3S/0405/2026**

A call is opened for the position of a PhD holder, for a unfixed term work contract to carry out research duties within the project “Targeting a ‘toolbox’ of human microbiome O-Glycan-Selective proteins towards new approaches in cancer research”, with reference 2022.06104.PTDC, funded by Fundação para a Ciência e Tecnologia IP.

**Scientific Area:** Biochemistry

### 1. Project summary and work plan

Mucin-type O-glycosylation is a post-translational modification of proteins that plays a crucial role in the molecular and cell biology processes occurring in cancer. The aberrant O-glyco-phenotype of cancer cells is known to harbour a ‘glyco-code’ (i.e., specific structures of glycans), that alters the function of their carrier proteins or is recognised by receptors of the immune system to promote signalling events in cancer development and progression.

GlycOSELECT aims to develop a ‘toolbox’ of O-Glycan-Selective metallopeptidases to advance biological approaches for molecular O-glycoproteomic and O-glycomic studies in cancer. To this end, GlycOSELECT will focus on a molecular and structural comparative analysis of modular metallopeptidases.

To accomplish this, the following objectives are planned:

1. Determine the significance of specific O-glycan structures and carbohydrate binding domains of metallopeptidase domains in the enzyme catalytic activity and specificity.
2. Determine the consensus peptide sequence and minimum glycoform recognised by the metallopeptidases.
3. Determine the metallopeptidases selectivity for mucins and other O-glycoproteins.

### 2. Applicable Portuguese legislation

Decree No. 57/2016, of August 29 – Legal Framework for Scientific Employment (RJEC) – in its current version. Portuguese Labor Code, in its current wording

### 3. Jury

Chairman: Celso Reis; Other Members: Hugo Osório, Daniela Freitas; Substitute: Ana Magalhães, Joana Gomes.

### 4. Workplace

i3S - Rua de Alfredo Allen, 208 Porto, research group research group *Glycobiology in 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. Requirements for admission

### **Mandatory:**

- a) PhD degree in Biomedical Sciences, Analytical Biochemistry or related areas;
- b) Experience in glycoproteomics and glycan analysis;
- c) Knowledge and Hands-on experience in glycan data analysis;
- d) Experience in glycobiology;
- e) Motivation Letter in English.

### **Preferential:**

- a) Relevant publication track record in international peer-reviewed journals;
- b) Fluent in spoken and written English;
- c) Good teamwork and interpersonal skills;
- d) Highly motivated.

## 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) Previous experience in the points described in the Admission Requirements (80%);
- b) Motivation Letter in English (10%);
- c) Interview - *facultative* (10%).

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

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) Copy of certificate or diploma;
- b) Detailed Curriculum Vitae;
- c) Motivation letter in English;
- d) Other documentation relevant for the evaluation of qualifications in a related scientific area.

The submission of applications is digital, in pdf format, from May 4<sup>th</sup> to May 17<sup>th</sup>, 2026, in the following link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/fca65edbc361b8751cfa1c41906968>

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

The anticipated start date of the contract is 16/06/2026 and is subject to budget availability. The contract is estimated to last 8 and half months.

#### **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.