



ANNOUNCEMENT OF AN INTERNATIONAL CALL FOR THE SELECTION OF A RESEARCH TECHNICIAN

Internal code: Technician/FCT_SEPTONITE/i3S/1206/2026

A call is opened for the position of a Research Technician, for an unfixed term work contract, to carry out technical duties within the project “SEPTONITE: Unlocking CD5L's Force: A New Hope for Overpowering Sepsis”, with reference COMPETE2030-FEDER-00693500, operation no 15825, funded by COMPETE2030 and national funds through FCT – Fundação para a Ciência e a Tecnologia under the application MPr-2023-12.

Scientific Area: Immunology and infection

1. Project summary and work plan

Despite extensive research efforts, sepsis remains a leading cause of mortality worldwide, with no targeted immunomodulatory treatments currently available. One major reason for the failure of promising therapies in clinical trials is the lack of realistic preclinical models that accurately mimic the complexity of human sepsis, including its comorbidities and varied infection sources.

This project builds on previous work demonstrating that recombinant CD5L (rCD5L), when therapeutically administered, significantly improves survival in mouse models of sepsis. With rCD5L showing strong potential as an immunomodulatory therapy, we now aim to validate and refine its therapeutic efficacy using clinically relevant models that better reflect human disease. The project will also focus on developing optimized forms of rCD5L with improved pharmacokinetic and therapeutic properties.

The main objectives of the work are:

1. Implementation of *in vivo* models of obese/diabetic mice;
2. Determine the therapeutic efficacy of rCD5L in secondary pneumonia using double-hit models in aged and obese/diabetic mice;
3. Produce engineered bioactive rCD5L with improved pharmacokinetic properties, stability, and therapeutic efficacy.

2. Jury

Chairman: Alexandre Carmo; Other Members: Liliana Oliveira, Isabel Castro. Substitutes: Joana Tavares, Inês Loureiro.

3. Workplace

i3S – Rua de Alfredo Allen, 208 Porto, research group Cell Activation and Gene Expression.

4. Professional category and monthly remuneration

Research Technician

€1621,95, subjected to taxes and other mandatory deductions.

INSTITUTO
DE INVESTIGAÇÃO
E INOVAÇÃO
EM SAÚDE
UNIVERSIDADE
DO PORTO

Rua Alfredo Allen, 208
4200-135 Porto
Portugal
+351 226 074 900
info@i3s.up.pt
www.i3s.up.pt



4. Requirements for admission

Mandatory:

- a) Master degree in Biomedical Sciences, Biomedicine, Biochemistry or related areas with grade average of 16/20 or higher;
- b) Proven experience and solid knowledge in:
 - a. Host/pathogen interactions;
 - b. Animal experimentation - particularly with mice;
- c) Course completed in Laboratory Animal Sciences, possessor OR in conditions to apply for the respective License issued by the DGAV for the functions A+B+D or A+D, in accordance with Decree Law 113/2013;
- d) Ability to communicate proficiently in English (written and spoken).

Preferential:

- a) Animal models of infection and manipulation of microorganisms at Biosafety Level 2;
- b) Flow Cytometry.

6. Evaluation of the applications and publication of the results

Weight of the different curricular valuation criteria

- a) Curricular evaluation (50%), which will take into account the applicant previous experience as described in the Admission Requirements;
- b) Scientific and technological production and impact (20%);
- c) Motivation Letter in English (15%) indicating interests and motivation for the area in which the application fits;
- d) Interview – *facultative* (15%).

If needed, the evaluation panel may invite the most highly ranked candidates (up to 3) for an interview. The final classification system for candidates is expressed on a scale from 0 to 100. Candidates who are not interviewed will have a maximum classification limit of 85%.

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 take minutes of their meetings, which may be consulted by candidates upon request.

The jury deliberates by means of a justified vote according to the evaluation criteria, with no abstentions allowed, and draws up a list of excluded and admitted candidates, ranked by the respective classification after the curricular evaluation. Candidates will be notified of the results by email.

INSTITUTO
DE INVESTIGAÇÃO
E INOVAÇÃO
EM SAÚDE
UNIVERSIDADE
DO PORTO

Rua Alfredo Allen, 208
4200-135 Porto
Portugal
+351 226 074 900
info@i3s.up.pt
www.i3s.up.pt



After publication of the ranking list, if their wish to do so, the candidates have 10 working days to submit comments.

In the 90 days following the deadline for submission of applications, 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.

7. 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) Certificate of Course completed in Laboratory Animal Sciences, OR respective License issued by DGAV for functions A+B+D or A+D, in accordance with Decree Law 113/2013;
- e) Other documents, considered as relevant by the candidate.

The submission of applications is digital, in pdf format, from June-12 to July-17, 2026 in the following link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/1292fdd56953423cob157a3b1117db>

8. Start and duration of the contract

The anticipated start date of the contract is September 16, 2026, and is subject to budget availability. The expected duration of the contract will be 12 months, eventually extendable.

9. 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.

INSTITUTO
DE INVESTIGAÇÃO
E INOVAÇÃO
EM SAÚDE
UNIVERSIDADE
DO PORTO

Rua Alfredo Allen, 208
4200-135 Porto
Portugal
+351 226 074 900
info@i3s.up.pt
www.i3s.up.pt



10. 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.

**INSTITUTO
DE INVESTIGAÇÃO
E INOVAÇÃO
EM SAÚDE**
UNIVERSIDADE
DO PORTO

Rua Alfredo Allen, 208
4200-135 Porto
Portugal
+351 226 074 900
info@i3s.up.pt
www.i3s.up.pt