



SELECTION PROCEDURE FOR THE HIRING

MSc RESEARCH TECHNICIAN

Code: MSc_Technician/RESET_BONE_AGEING/INEB/2211/2022

INEB is opening of a selection tender for 1 vacancy of a master technician to perform technical duties in the area of Health Sciences, under a work contract with unfixed term under the Portuguese Labor Law within the project with the reference *AAC 17/SI/2020 - IDT Copromoção*, and title “RESET_BONE_AGEING- Revestimento para próteses ortopédicas com capacidade de aumentar a regeneração de tecido ósseo envelhecido” at INEB.i3S, financed by *Fundo Europeu de Desenvolvimento Regional (FEDER)*, through *Programa Operacional Competitividade e Internacionalização* and *Programa Operacional Regional de Lisboa do Portugal 2020*.

Project's summary

This project aims to develop a coating for orthopedic devices with the ability to “rejuvenate” aged bone tissue and increase its ability to regenerate. The coating consists of the physical immobilization of extracellular vesicles (negatively charged) on the surface of titanium orthopedic devices, through an antimicrobial peptide (positively charged). The peptide serves as an anchor point for extracellular vesicles isolated from Wharton Jelly mesenchymal cells. The task to be developed at INEB/i3S involves experimentation in aged animals, to study the local and systemic response to the biomaterials to be developed, including the relationship between inflammation and bone regeneration.

1.Applicable Legislation

Labour Code, Law no. 7/2009 of 12 February, on its current draft

2. Tender selection panel

President: Mário Barbosa

Other Members:

Susana Santos

Carla Cunha

Substitutes: Raquel Gonçalves and Judite Barbosa

3. Workplace

i3S, Rua de Alfredo Allen, 208, Porto, research group Microenvironments for New Therapies

4. Monthly remuneration to be paid is €1,389,64, with the category of *Técnico Superior Investigação nível 1*.

5. Any national, foreign and stateless candidate(s) holding a master degree in bioengineering, veterinary medicine, biochemistry, biology, pathologic anatomy or related scientific area, and a scientific and professional curriculum whose profile is suited for the activity to be

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performed can submit their applications. In the event the master degree was awarded by a foreign higher education institution, said degree must comply with the provisions of Decree-Law no. 66/2018 of 16 August, and all formalities established therein must be complied with at the signature of contract.

6. The tender admission specific mandatory requirements are:

- Highly motivated candidates with strong hands-on experience in at least one of the following subjects:
 - 1) Histology
 - 2) Flow Cytometry
- Reports writing
- Fluent in spoken and written English;
- Good teamwork and interpersonal skills;

7. Evaluation criteria are the following:

The assessment of the applicants' CV, in particular scientific merit and technical capacity, shall be based on the following criteria:

a) Detailed CV (70%):

- Scientific background and relevant technical experience in animal experimentation, histology and histopathology, microscopy, image data analysis and biostatistical analysis, cell culture and flow cytometry.
- Scientific communications and publications authorship, being valued its relevance for the topics mentioned.

b) Motivation letter (10%):

Interest and motivation for the research area where the hiring profile fits in.

c) Interview (20%)

Up to five candidates with higher classifications in criteria a) Detailed CV and b) Motivation letter will be selected for interview.

8. Minutes of panel meetings shall be executed and shall include a summary of all occurrences of said meeting, as well as of all votes casted by the members and respective reasoning, and shall be provided to candidates whenever required.

9. After selection criteria application, the panel shall prepare a sorted list of approved candidates and respective classification.

Panel's decision shall be validated by the leader of the institution, who is also in charge of deciding about the hiring.

10. Applications shall include all supported documents encompassed by section 6 and 7 for tender admission, namely:

a) Certificate or diploma copy;

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- b) Curriculum vitae;
- c) Other documentation relevant for the evaluation of qualifications in a related scientific area;
- d) Motivation letter.

Candidates shall submit their application filing the required information and supporting documentation, in a digital form, in PDF format, from the **22nd of November to the 6th of December 2022** through the link:

https://DOZER.i3s.up.pt/applicationmanagement/#/addapplications/MSc_TechnicianRESET_BO NE_AGEENGINEB22112022

11. Both admitted and excluded candidate list and the classification list shall be published in the i3S website, www.i3S.up.pt and the selected candidate shall be notified by email.

After publication of the results, candidates shall have 10 working days to comment. Within 90 days following the deadline for the submission of applications, the final decisions of the jury shall be disclosed on the i3S website, www.i3S.up.pt.

The expected starting date of the contract is the 1st of January 2023

12. This tender is exclusively destined to fill this specific vacancy and can be terminated at any time until approval of final candidate list, expiring with the respective occupation of said vacancy.

13. Non-discrimination and equal access policy: i3S actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honor, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

14. In the scope of the Commission Recommendation of 11 March 2005 on the European Charter for Researchers and on a Code of Conduct for the Recruitment of Researchers, i3S follows the principles of Open, Transparent and Merit-Based Recruitment of Researchers (OTM-R), aiming to conduct fair and transparent recruitment processes, bringing equal opportunities for all candidates.