

**NOTICE OF OPENING OF AN INTERNATIONAL SELECTION PROCEDURE FOR THE
RECRUITMENT OF A RESEARCHER POSITION UNDER DECREE-LAW No. 57/2016, OF AUGUST
29th, AMENDED BY LAW No 57/2017 OF JULY, 19th.**

1. By order of 27/03/2019, the Dean of FEUP, Professor João Bernardo de Sena Esteves Falcão e Cunha, deliberated to open an international selection procedure for the recruitment of One (1) Post-Doctoral Researcher (for PhD holders) within the scope of the research project New Active Medical Implants – “NIMAS”, POCI-01-0145-FEDER-032348, financed by European Regional Development Fund (FEDER), through COMPETE2020 - Competitiveness and Internationalization Operational Program (POCI) and with financial support from FCT / MCTES through national funds (PIDDAC), for research scientific activities in the area of advanced technologies applied to healthcare, in the form of an Uncertain Term Employment Contract, under the Labor Code, never exceeding the maximum limit of six years. This recruitment aims at the development of R&D activities in the scope of the domains of Electronics Engineering, or Electrical and Computer Engineering, or Biomedical Engineering, towards the accomplishment of the following project activities:

- Biomechanical activity and design of piezoelectric sensors;
- Design of ASICs and antennas;
- Design of coils, electrodes, integration and assembly;
- Neurophysiologic evaluation with SOB prototype;
- Dissemination and exploitation initiatives (of results);
- Project coordination and management.

2. Applicable Legislation: Decree-Law no. 57/2016, of 29 August, approving a regime for contracting doctorates to stimulate scientific and technological employment in all areas of knowledge (RJEC), in the wording introduced by the first amendment provided Law no. 57/2017, of July 19, Regulatory Decree no. 11-A/2017, of December 29, and Labor Code, Law on 7/2009, of 12 February, in its current version.

3. In the wording of article 16 of Decree-Law no. 57/2016 of 29 August, this procedure is exempted from the authorization of the members of the Government responsible for the areas of Finance and Public Administration, namely in paragraph no.3 of article 7 of the LTFP; from the prior favorable opinion of the members of the Government responsible for the areas of Finance and Public Administration as mentioned in no. 5 of article 30 of the LTFP and from the procedure for the recruitment of workers in the requalification situation referred to in Article 265 of the LTFP.

4. In agreement with article 13 of the RJEC and according to the appointment, the jury is composed as follows:

President: Professor Doutor José Alberto Peixoto Machado da Silva,

Member: Professor Doutor Joaquim Gabriel Magalhães Mendes,



Member: Professor Doutor José Carlos Magalhães Duque da Fonseca,

Substitute Member: Professor Doutor João Paulo de Castro Canas Ferreira,

Substitute Member: Professor Doutor José Carlos dos Santos Alves.

5. The work will be developed at Department of Electrical and Computer Engineering of the Faculty of Engineering of the University of Porto (FEUP).

6. The monthly remuneration to be granted is that established in no. 1 of article 2 of the Regulatory decree no 11-A/2017, December, 29, corresponding to level 33 of the single remuneration table, approved by the Administrative Rule no. 1553-C/2008, December 31, in the amount of € 2128,34 Euros, on exclusive dedication regime.

7. The applicants may be national, foreign and stateless candidates holding a PhD degree in Electronic Engineering, Electrical and Computer Engineering, or Biomedical Engineering, or other related area, and holding scientific and professional curriculum vitae revealing a profile suitable for the activity to be developed. If the doctorate degree has been awarded by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 341/2007, of October 12, and any formalities established there must be fulfilled until the expiration date for the application.

8. General requirements for admission to competition are those defined in the previous paragraph. In order to determine the profile appropriate to the activity to be developed, the following criteria are defined: Candidates must hold competences and previous experience of designing electronic circuits, or microelectronics, or biomedical signal processing.

9. In terms of article 5 of the RJEC, the selection is made after the evaluation of the scientific and curricular careers of the candidates.

10. The evaluation of the scientific and curricular career, taking into account the compliance of candidate profile to the activity to be developed, focuses on relevance, quality and current impact of:

a) the scientific, technological, cultural or artistic production of the last five years considered to be the more relevant by the applicant;

b) the applied or practice-based research activities developed over the last five years and considered as having the greatest impact by the candidate;

c) the extension and dissemination of knowledge activities developed during the last five years, in particular in the context of culture and scientific practices promotion that are considered by the candidate to be of greatest relevance;

d) the activities of management of science, technology and innovation programs, or the experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad.

11. The period of five years referred to in the preceding paragraph may be increased by the jury, at the request of the candidate, when justified on grounds of suspension of scientific activity for socially protected reasons, namely on grounds of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

12. This position is open for carrying out activities in the area of development of active medical implants, involving the design of microelectronic circuits and the processing of biomedical signals, designated below as area of preference.

The evaluation criteria are the following:

The Evaluation of the Scientific Career and Curriculum Vitae (ESCC) focuses on three parts described below, being the final classification obtained by: $ESCC = 0.2 AQ + 0.4 SCC + 0.4 MCI$.

1. Academic Qualifications (AQ)

Assessment of the area of study of the candidate: PhD in Electronic Engineering, or Electrical and Computer Engineering, or Biomedical Engineering, AQ = up to 5 points; PhD in other Related Areas, AQ = up to 3 points.

2. Scientific Career and Curriculum (SCC)

Assessment of the relevance, quality and current impact of scientific career and curriculum. This evaluation focuses on the parameters described below and the classification is obtained by: $SCC = 0.6 SC + 0.4 RA$.

2.1 Scientific Production (SC)

Assessment of the scientific production (SC), over the last five years. The classification is obtained by: $SC = 0.6 SCV + 0.4 SCQ$.

Quantitative Evaluation (SCV): publications in ISI journals, in the area of preference, SCV = up to 5 points; publications in related areas, SCV = up to 3 points; publications in other areas, SCV = 0 points.

Qualitative Evaluation (SCQ): the candidate must provide copies of up to 5 articles considered to be the most relevant, SCQ = up to 5 points.

2.2 Research, Extension, and Management Activities (RA)

Evaluation of applied, or based on practice, research activities, as well as activities of extension and management developed in the last five years. This parameter includes (i) supervision/co-supervision of Master Students, PhD students and Post-Doctoral researchers, (ii) participation in R&D projects, services, and technology transfer and (iii) participation in science management and knowledge dissemination activities, including the organization of conferences, symposia, and scientific cooperation activities.

Activities in the area of preference, RA = up to 5 points; activities in related areas, RA = up to 3 points; activities in other areas, RA = 0 points.

3. Motivation and Capacity for Innovation (MCI)

Evaluation of the candidate's motivation and capacity for innovation. For this purpose, the applicant must submit a Letter of Motivation describing the relevance and compliance of the candidate's scientific career and experience to this position.

Classification MCI = up to 5 points.

13. The selection process includes a professional interview or a presentation or a public demonstration session (PI) by the candidates, which is exclusively intend for the clarification of aspects related to the results of their research, for candidates with a Scientific and curriculum Vitae (ESCC) score exceeding 4 points. The (PI) will be classified on a scale of 0 to 5 values.

14. The final grade is the sum of the scores obtained in the Evaluation of the Scientific and Curriculum Vitae (ESCC) and Professional Interview or presentation or a public demonstration session (PI), weighted as $0.9 \text{ ESCC} + 0.1 \text{ PI}$. The position can only be filled by candidates whose final grade is equal or greater than 3.5 points.

15. The jury shall deliberate by means of a nominal vote based on the selection criteria adopted and published, being abstentions not allowed.

16. The minutes of the jury meetings are drawn up, containing a summary of what has taken place in the meetings, as well as the votes cast by each of the members and their reasons; these minutes should be available to candidates whenever requested.

17. Once the application of the selection criteria is completed, the jury will draw up an ordered list of approved candidates with their classification.

18. The final decision of the jury is homologated by the maximum leader of the institution who also is in charge of deciding on the hiring.

19. Formalization of applications:

19.1. Applications must be formalized via email to recursoshumanos@fe.up.pt and to jms@fe.up.pt, and should clearly state the reference **FEUP -NIMAS**.

The application process must comprise: full name, number and date of the identity card, tax identification number, birth date and location, residence and contact address, including e-mail and telephone contacts.

19.2 The application shall be accompanied by documents proving the conditions laid down in paragraphs 7 and 8 for admission to this call, namely:

a) Copy of a doctoral certificate or diploma;

- b) PhD Thesis (see clause 7);
- c) Detailed Curriculum Vitae;
- d) Other documents relevant to the evaluation of the qualification in related scientific area;
- e) Copy of the 5 most relevant publications;
- f) Letter of motivation;
- g) Recommendation letters (optional);
- h) Documents proving professional experience;
- i) Information regarding scientific and technological production, applied research activities, activities of extension and dissemination of knowledge, and activities of management of science, technology and innovation programs.

19.3. The application period starts on the day following the publication of this notice and takes place for a period of 10 (ten) working days.

20. Candidates who formalize their application incorrectly or do not prove the general requirements specified in this notice are excluded from admission to the competition. The jury has the power to require any candidate, in case of doubt, to present documents proving their statements.

21. False statements by candidates shall be punished in accordance with the law.

22. The list of admitted and excluded candidates and the final classification list will be published on the FEUP website at https://sigarra.up.pt/feup/en/noticias_geral.lista_noticias#gruponot12, and the candidates will be notified by e-mail with receipt of delivery notification. These lists will be also posted on FEUP's premises, located at Rua Roberto Frias, s / n, 4200-465 Porto.

23. Preliminary Hearing and deadline for the Final Decision: in accordance with article 121 of the Code of Administrative Procedure, after being notified, the candidates have 10 working days to pronounce. The final decisions of the jury will be published within a maximum period of 90 days counted from the submission applications deadline.

24. The present competition is exclusively intended to fill the vacancies indicated above, and may be terminated until the final list of candidates is approved and will expire with the occupation of the respective job on offer.

25. Non-discrimination and equal access policy: FEUP actively promotes a policy of non-discrimination and fair access, so that no candidate can be privileged, beneficiary, disadvantaged or private of any right or exemption from any duty owing, in particular, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.

26. The selection boards approved this notice at the meeting held on 28/03/2019.

27. Under the terms of D.L. No. 29/2001, of February 3rd, a disabled candidate has preference in case of equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of incapacity, the type of disability and the means of communication / expression to be used in the selection process, under the terms of the aforementioned diploma.