

## **Research Scholarship (1 vacancy)**

The Center of Physics of the Universities of Minho and Porto opens an international selection tender for the attribution of 1 (one) Research scholarship under the NanoStim: Nanomaterials for wearable-based integrated biostimulation Project, Ref. POCI-01-0247-FEDER-045908 co-financed by the European Regional Development Fund (ERDF), through the Operational Programme for Competitiveness and Internationalization (COMPETE 2020), under Portugal 2020.

**Scientific Areas:** Engineering, Materials Engineering

**Beneficiaries and Admission Requirements:** candidates must hold a **Master's** degree in Biomedical Engineering, Physical Engineering, Physics, Materials Engineering, Industrial Electronics and Computer Engineering, Software Engineering and Information Systems, or related areas. At the time of their recruitment, candidates must prove the degree and their registration in one of the following courses:

- PhD (in the area or other related scientific area);
- Master/Master's Degree (in the area or other related scientific area);
- Masters enrolled in non-awarding degree courses, integrated in the educational project of the University of Minho, in association or cooperation with one or more R&D units, in the area or related scientific area (e.g., postgraduate courses, advanced studies, specialized training).

If the qualification has been granted by a foreign higher education institution, it must be recognized by a Portuguese higher education institution, in accordance with article 25 of Decree-Law No. 66/2018, of August 16<sup>th</sup>, which approves the legal regime for the recognition of academic degrees and diplomas of Higher Education, awarded by foreign higher education institutions, and point (e) of Article 4(2) of Decree-Law No. 60/2018, of August 3<sup>rd</sup>. Any formalities established therein must be fulfilled by the date of the act of recruiting. The degree recognition shall also include the conversion of the final classification obtained in the foreign qualification to the Portuguese classification scale. To candidates who do not comply with these provisions, the jury will assign the minimum classification (10 values) in the selection method related to the curriculum evaluation component, according to the defined scale of values.

**Eligibility of the candidates:** Applicants must meet the eligibility conditions set out in Article 9 of the FCT I.P. Research Scholarship Regulation (2019).

**Work plan:** The work plan is part of the NanoStim project: Nanomaterials for wearable-based integrated biostimulation, envisaging the development of a system of dry electrodes based on thin nanostructured films, used for electromyographic monitoring and electrical stimulation on the elderly's rehabilitation.

**Applicable legislation:** Statute of the Scientific Research Grantee, approved by Law No. 40/2004, of August 18<sup>th</sup>, in the latest version published by Decree-Law No. 123/2019 of August 28<sup>th</sup>; Regulation of Research Scholarships of the Foundation for Science and Technology, I.P. – in force <https://www.fct.pt/apoios/bolsas/regulamentos.phtml.pt>.

**Reception Unit and Scientific Supervision:** The work will be developed at the Center of Physics of the University of Minho, Campus of Azurém, in Guimarães, under the scientific supervision of Professor José Filipe Vilela Vaz and the Assistant Researcher Cláudia Lopes.

**Length of the scholarship(s):** The scholarship will last for six (6) months, possibly renewable for another 6 months, starting in July 2021.

**Monthly allowance:** The amount of the scholarship can be consulted in the table of the scholarships directly awarded by FCT, I.P. (<http://www.fct.pt/apoios/bolsas/valores>), corresponding to the following:

- PhD students: EUR 1104.64
- Masters registered in non-awarding degree courses: 1104,64 euros

Other benefits: Personal Accident Insurance.

**Members of the Jury:**

- Chairman: José Filipe Vilela Vaz
- Effective Members: Cláudia de Jesus Ribeiro Lopes and Maria Sameiro Gonçalves
- Substitute Members: Joel Nuno Pinto Borges

In case of absences and impediments, the Chairman shall ensure that he is replaced by the first effective member and the alternate substitute member shall be appointed to replace the effective member.

**Method and evaluation criteria:** The evaluation of applications will focus on the Merit of the Candidate, and an Interview, applying the following evaluation criteria, valued on a scale of 1 to 5 values (or another scale):

**Merit of the candidate - MC (100%):**

- a) Academic Qualifications - AQ, (which reflects the evaluation of the academic degree), with a weighting of 40%
- b) Personal Curriculum - PC, which reflects the scientific and professional path, with a weighting of 35%
- c) Motivation Letter - ML, with a weighting of 10%.
- d) Interview - INT, with a weighting of 15%.

The final classification (CF) of the candidate will be obtained by applying the following formula:

$$CF = MC = 0.40AQ + 0.35PC + 0.10ML + 0.15INT$$

**Publication of results:** The results will be sent to applicants by e-mail, within 90 working days from the deadline for submission of applications.

If the result is unfavourable the candidates have a period of 10 working days to pronounce for the purpose of preliminary hearing to the interested parties, pursuant to Article 121 and 122 of the Code of Administrative Procedure (DL No. 4/2015 of January 7).

**Complaint and appeal procedures:** The final results of the evaluation will be published through an ordered list (alphabetically, by final note obtained), posted in a visible and public place of the Host Unit, as well as by e-mail to all candidates.

The selected candidate must express in writing the intention to accept the scholarship. In case of non-acceptance, the scholarship will be awarded to the applicant in order of final serialization.

A complaint may be lodged within 15 working days addressed to the Chairman. Interested parties may also submit an optional hierarchical appeal, addressed to the Pro-Rector for Research and Projects, Professor Filipe Vaz.

**Application deadline to submit applications:** The applications are open from 18 June to 1 July 2021.

Applications must be formalized by an application letter accompanied by the following documents: *curriculum vitae*; *academic certificate*; motivation letter and other supporting documents considered relevant.

Applications should be sent by email to [bolsa@ecum.uminho.pt](mailto:bolsa@ecum.uminho.pt) – indicating the reference of the Scholarship on the "Subject". Applications submitted by other means will not be accepted.

Failure to do so or sending/delivering it to another place other than the foregoing may result in the exclusion of the application.

**Non-discrimination and equal access policy:** The University of Minho actively promotes a policy of non-discrimination and equal 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.