



## ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

**Title:** Research Grant for Master's degree; *1 vacancy*

**Reference:** PT-UnderVib\_BI\_2023\_01\_CALG

A call for applications is now open for the attribution of one Research Grant for Master's degree within the scope of the R&D project, of Algoritmi Center, UnderVib, "Understanding how humans perceive high-frequency vibrations", financed by BIAL Foundation, under the following conditions:

**Scientific Area:** Human Engineering

**Recipient category:** Students enrolled in a **doctoral program or in a non-academic course** integrated in the institution's educational project, in the area requested in public notice or related area.

### Requirement for granting the fellowship:

- The applicants may apply without prior registration in the course for which the fellowship is open. The requirement to enroll in a degree course or non-academic degree course will be verified on the date of contracting the fellowship;
- Only fellowships whose selected applicants present a valid proof of enrollment in a degree course or non-academic degree course will be contracted, according to the type of the fellowship, issued by the academic services of the Higher Education Institution, indicating, respectively, the academic year or its duration (star and term).
- Enrollment in non-certified courses (without curricular units) will not be considered as proof of enrollment.

### Candidates profile:

- Candidates must have, at the date of application, a **master** degree in Human Engineering or related areas. Is required for contractualization, proof of academic qualifications completed at the deadline for applications, including those resulting from academic degree recognition processes.
- Candidates enrolled in non-conferring degree course: cannot benefit from this scholarship candidates who, with the conclusion of the scholarship contract in question, including renewals, exceed a cumulative period of two years, followed or interpolated, in this type of scholarship.

**Applicants eligibility:** Applicants must comply with the eligibility conditions laid down in article 9 of the Research Grants Regulation of the Portuguese Foundation for Science and Technology (2019).



**Workplan and objectives to be achieved:**

- Support the development of a platform for determination of the haptic sensitivity of the human hand;
- Support the development of data collection campaigns;
- Support the development of data processing routines, for the gather data, and contributions to the project deliverables.

**Applicable legislation and regulations:** Research Fellowship Holder Statutes, approved by Law no. 40/2004 of August 18, in its current version published by Decree-Law no. 123/2019 of August 28; Regulation of Scientific Research Fellowships of the University of Minho (RBIC), published in “Diário da República”, 2nd serie, no. 119, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021 and Regulation of Research Studentships and Fellowships (RBI) of the Foundation for Science and Technology, I.P. - in force.

**Host/Contracting institution and scientific supervision:** The work plan will be developed at the Centro Algoritmi, School of Engineering at the University of Minho, located on the Campus of Azurém, Guimarães, under the scientific guidance of Professor Nelson Bruno Martins Marques Costa, Assistant Professor at the Department of Production and Systems at the School of Engineering from the University of Minho and Researcher Maria Isabel Almeida Costa Pinto Lisboa, PhD Researcher at the Institute for the Development of New Technologies (UNINOVA).

**Fellowship duration:** The scholarship will last for 12 months, starting in April 2023. The scholarship may eventually be renewed, up to 4 years, in the case of a student enrolled in a PhD. For students enrolled in a non-degree-granting course, the scholarship is non-renewable. Under no circumstances may it exceed the maximum period allowed by the project and/or provided for in the legislation and regulations in force.

**Amount of the research grant:** The value stipend (Monthly Maintenance Allowance) is **1199,64 euros per month**, in accordance with the stipends values published by the Foundation for Science and Technology (FCT I.P.) in the country (Annex I – Monthly Stipends Values for the maintenance allowances of the [FCT Regulation for Research Studentships and Fellowships](#)) and Annex II of the Regulation of Scientific Research Fellowships of the University of Minho (RBIC), published in “Diário da República”, 2nd serie, no. 119, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021, according to the applicable regulation. Payment is made on the 23rd of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contractualization process.

**Other benefits:** Reimbursement of Voluntary Social Security (Social Security contributions), corresponding to the 1st level of discounts (*for research grants with a total duration 6 months or higher*) and personal accident insurance.



**Exclusivity regime:** The grantee will perform the activities under exclusivity, as foreseen in article 5° of the Research Fellow Statutes and applicable regulations.

**Selection panel:** The selection panel has the following composition:

**President:** Nelson Bruno Martins Marques Costa, Assistant Professor at the Department of Production and Systems at the School of Engineering at the University of Minho.

**Effective members:** Paulo Francisco Silva Cardoso, Assistant Professor at the Department of Industrial Electronics at the School of Engineering at the University of Minho and Maria Isabel Almeida Costa Pinto Lisboa, PhD Researcher at the Institute for the Development of New Technologies.

**Substitute members:** Pedro Miguel Ferreira Martins Arezes, Full Professor, Department of Production and Systems at the School of Engineering at the University of Minho and Paula Machado Sousa Carneiro Assistant Professor at the Department of Industrial Electronics at the School of Engineering at the University of Minho.

The first effective member will substitute the President of the selection panel in case of impediment, being nominate the first substitute member in the place of the first effective member.

**Criteria and procedures for applications assessment and selection:** The applications assessment will focus on the candidate's Merit, following evaluation criteria, valued on a scale of 1 to 5 values<sup>1</sup>:

Applicant Merit - AM (100%):

- A1. Academic path (which reflects the classifications of academic degrees, according to the reference table), with a weighting of 20%;
- A2. Curricular evaluation (training area, according to the auxiliary table), with a weighting of 30%;
- A3. Proven experience in the treatment of biological signs, human psychophysiology, implementation of experimental protocols with users (according to the auxiliary table), with a weighting of 30%;
- A4. Relevant articles in the field of Human Engineering and/or Basic Psychology (according to the auxiliary table), with a weighting of 20%.

The final classification of the applicant's merit with the achieved through the following formula:

$$AM = (A1 \times 0,2) + (A2 \times 0,3) + (A3 \times 0,3) + (A4 \times 0,2)$$

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<sup>1</sup> If a second evaluation method is fixed – Interview, it may not have a weighting higher than 40%, according to no. 1 of article 12° of UMinho regulation; The jury shall define whether all candidates are interviewed or identify the criterion to be applied to a set of candidates to be interview and its valuation (*for instance, selection of candidates ranked between the 1s and 4<sup>th</sup> position in the evaluation list of APCC*).



Reference table for defining the score for Sub-criterion A1 - Academic track record.

Bachelor's + Master's (pre or post Bologna) Integrated Master (300-360 credits)		Bachelor's Degree - 180 credits (pre or post Bologna)		Master's (90-120 credits) (Pre or post-Bologna)	
Classification	A1 score	Classification	A1 score	Classification	A1 score
≥ 18	5,0	≥ 17	3,5	≥ 17	3,0
17	4,5	16	3,0	16	2,5
16	4,0	15	2,5	15	2,0
15	3,5	14	2,0	14	1,5
14	3,0	< 14	1,5	< 14	1,0
< 14	2,5				

Auxiliary table for defining the score of Sub-criterion A2 - Curricular area (training).

Relevance of the Curricular Area (training)	
Master's Area	Valuation
Human Engineering	5,0
Psychology	5,0
Basic Sciences	2,0
Other related areas	1,0
Unrelated areas	0,0

Auxiliary table for defining the score of Sub-criterion A3 - Proven experience.

Proven experience	
Area	Valuation
Human psychophysiology	2,0
Implementation of experimental protocols with users	1,5
Data analysis - user testing	1,0
Other related areas	0,5
Unrelated areas	0,0



**Auxiliary table for defining the score of Subcriterion A4 - Relevant articles in the domains of interest of the Announcement.**

Relevant articles in the fields of interest of the Announcement	
Number of articles	Valuation
+3	5,0
3	4,0
2	3,0
1	1,0
0	0,0

If none of the candidates demonstrate to have a suitable profile for the execution of the work plan, the Jury is entitled to close this call without selecting a candidate.

The academic degrees and diplomas documents, or their respective recognition when awarded by foreign higher education institutions are not mandatory in the application phase, being replaced by a declaration of honor of the candidate with the contents of academic results. The documents of academic qualification or respective recognition will be required in the contracting phase and must attest facts that occurred on a date prior to the application. In situations of divergence between the information contained in the declaration and the documentation submitted for contracting the grant, only the information contained in the latter will be considered. If the documents proving the ownership of the academic degree and diploma, or the respective recognition under the terms of Decree-Law No. 66/2018, of August 16, do not correspond to the classifications awarded in the evaluation of the academic path, which can change the candidate's ranking, the fellowship won't be contracted.

***Notes:** Applicants with degrees obtained abroad must present proof of recognition of qualifications in Portugal and conversion of the final classification obtained in them to the Portuguese classification scale or declaration under the terms indicated in the previous point. Candidates who do not comply with one of these provisions, the selection panel will assign "0" in the grade of the graduation and/or master course. Candidates will be evaluated on the remaining parameters.*

**Disclosure of results:** The provisional results of applications, based in the selection panel minutes, will be send to the applicants by email until 90 working days from the applications deadline.

If case of unfavourable results, the candidates have a period of 10 working days to comment, if desired, in a prior hearing to interested parties, pursuant to articles 121 and 122 of the Code of Administrative Procedure (DL no. 4 / 2015 of January 7th).

*[The hearing of the interested parties, if excluded, should be justified accordingly with article 124° of CPA]*



**Complaint and appeal procedures:** The final results of the evaluation will be published through an ordered list (*alphabetically, by final grade obtained*), posted in a visible and public place of the host unit, as well as by email to all applicants, enclosing for that purpose, the minutes of the jury deliberations.

The selected candidate must inform its willingness to accept the grant, in writing. In case of rejection, the fellowship will be awarded to the next candidate in the ordered list of applicants.

The final decision can be contested within 15 working days, by sending to the President of the jury the corresponding claim. Interested parties may also submit an optional hierarchical appeal, addressed to the Pro-Rector for Research and Projects, Professor Sandra Paiva.

**Constitution of a selection reserve list:** The applicants ranked in the next positions on the ordered list will be included in a selection reserve list, which can be used until 30/09/2023.

**Application deadline and submission:** The call for applications is open from **01/03/2023 till 14/03/2023**.

Applications must be formalized by sending an application letter with the following documents: curriculum vitae; qualifications certificate or declaration of the applicant; motivation letter; statement proving that meets the conditions for the grant typology, according to the application requirements; other documents important to the evaluation process).

Applications must be sent by email to [recrutamento@algoritmi.uminho.pt](mailto:recrutamento@algoritmi.uminho.pt), indicating the reference of the call for applications in Subject. Applications submitted by other means will not be accepted.

**Fellowship contractualization:** The fellowship will be attributed by signing a fellowship contract between the University of Minho and the fellow, accordingly with the contract minute (annex IV of the Regulation of Research Fellowships of the University of Minho (RBIC), published in *Diário da República, 2nd Série, no. 119*, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021, as indicated in 2.4 of the FCT document: "[Rules for Granting and Management of Grants within the scope of R&D projects, including infrastructure projects, the multi-annual financing program for R&D units and other FCT financing instruments \(Version 2021\)](#)".

The contract may only be concluded after all the documentation required is collected, which must take place within a maximum period of 6 months [including evidences of the academic degrees or diplomas and enrolment in degree courses or non-conferring courses, depending on the type of scholarship].

Once all the documentation has been received, the contracting entity has a period of 60 working days to conclude the scholarship contract. Once received, the fellow must return the contract duly signed within 15 working days.

The activities under the fellowship contract can only began after proper authorization by the contracting entity.



**Term and cancellation of fellowship contracts:** Without prejudice to the other causes provided the fellowship regulations (FCT and UMinho) and in the Statute of the Research Fellow, the fellowship ends with the completion of the work plan, as well as with the expiration date for which it was granted or renewed.

At the end of the fellowship, the grantee is obliged to present a Final Report of the work carried out, in accordance with the objectives and evaluation criteria defined with the scientific advisor, within 30 days after the end of the scholarship.

The **final report** must be prepared in accordance with Annex I of the Scientific Research Fellowships Regulation of the University of Minho (RBIC), published in *Diário da República, 2nd Série, no. 119*, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021.

**Note:** The information above required should be submitted in the Euraxess Portal, in the fields reserved for those purposes.



ANNEX:



**Declaration of Honor**  
**Academic habilitations**

(name), applicant to the research fellowship vacancy under the I&D project (title or reference), published in the Euraxess portal, reference xxx, hereby declares to have a degree on **XXXX (name of the course)**, concluded in the **University of XXXX**, on the **XX/XX/XXXX**, with the final grade of **XX**.

I have submit my diploma for recognition in the **University of XXXX**, according to the Decree-Law n° 66/2018 of August 16<sup>th</sup>, concluded In the **XX/XX/XXXX**, with the final grade of **XX**.

I further declare that I undertake to present proof of my diploma recognition obtained under the Portuguese Law, until the date of the conclusion of the fellowship contract, in case of being selected for the vacancy in this competition.

As this is true, this declaration will be dated and signed by me.

(Place), (date).

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(name)





**Declaration of Honor**  
**Requirements Grant Typology**

**(name)**, applicant to the research fellowship vacancy under the I&D project (title or reference), published in the Euraxess portal, reference **(fellowship Reference)**, hereby declares that complies with the conditions for the type of scholarship of the referred call, reference above, in accordance with the application requirements, legislation and regulations indicated in the notice.

As this is true, this declaration will be dated and signed by me.

(Place), (date).

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(name)