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39/ECUM/CFUM/2022 - UIDB/04650/2020

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12/12/2022

Job Information

Organisation/Company	Universidade do Minho
Department	Escola de Ciências
Research Field	Physics » Other Engineering » Materials engineering
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	26/12/2022 - 23:59 (Europe/London)
Type of Contract	Not Applicable
Job Status	Not Applicable
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Reference Number	UIDB/04650/2020
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

BI Research Fellowship, Master; 1 vacancy

A call for applications is now open for the attribution of one Research Grant within the scope of ongoing research activities in the Research Line “Physics of Quantum Materials and Bionanostructures”, belonging to the Research Unit Centro de Física das Universidades do Minho e do Porto, with reference UIDB/04650/2020, financed by FCT/MCTES through national funds (PIDDAC), under the following conditions:

Scientific Area: Physics, Physical Engineering or Materials Engineering

Category of recipients: Non-conferring degrees courses.

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 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 non-academic degree course will be contracted, issued by the academic services of the Higher Education Institution, indicating 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 time of application, a Master's degree in one of the areas: Physics, Physical Engineering, or related areas.

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: It is intended that the fellows carry out research in Physics and/or Material Sciences and Technologies within the scope of the research line "Physics of Quantum Materials and Bionanostructures", preparing hybrid systems composed of chiral, nano and microstructured dipeptides, incorporated into polymer fibers, using the Electrospinning technique. The aim is to obtain the physical and technological characteristics of these materials and the development of a device to capture energy, namely, a piezoelectric nanogenerator.

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 workplan will be carried out in the Centro de Física da Universidade do Minho, located in Gualtar, under the scientific supervision of an experienced Doctor Rosa Maria Ferreira Baptista and Professor Bernardo Almeida, working within the scope of the strategic line "Physics of Quantum Materials and Bionanostructures".

Fellowship duration: The grant will take place for a period of 6 months, with a provisional starting date on the February of 2023. The grant may eventually be renewed according to the execution of the project and the applicable legislation.

Amount of the research grant:

- Masters enrolled in non-conferring courses that do not award an academic degree: 1.144,64€

The value stipend (Monthly Maintenance Allowance) is 1.144,64€ 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 components of the research grant: (define the other components of the research grants, in accordance with the no. 5 of the article 18º of the FCT Regulation for Research Studentships and Fellowships, no. 950/2019 of 16-12-2019 or article 21º of the Regulation of Research Fellowships of the University of Minho (RBIC), accordingly with the regulations applicable).

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 5º of the Research Fellow Statutes and applicable regulations.

Selection panel:

- **President:** Dr. Rosa Maria Ferreira Baptista, Junior Researcher, Centro de Física, Escola de Ciências da Universidade do Minho;
- **Effective Members:** Bernardo Gonçalves Almeida, Assistant Professor with Habbilitation, Departamento de Física, Escola de Ciências da Universidade do Minho and Etlvina de Matos Gomes, Associate Professor with Habbilitation, Departamento de Física, Escola de Ciências da Universidade do Minho;
- **Substitute Members:** Michael Scott Belsley, Associate Professor with Habbilitation, Departamento de Física, Escola de Ciências da Universidade do Minho and Ana Rita Oliveira Rodrigues, Invited Assistant Professor, Departamento de Física, Escola de Ciências da Universidade do 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:

Applicant Merit - AM (100%):

- Academic path (considering the classifications of academic degrees), with a weighting of 50%;
- Personal curriculum, considering professional and scientific background, in particular in the area of study of the Edital. This component will be evaluated based on the training and work carried out, in comparison with the planned work plan, namely the theme of the master's thesis, the synthesis and characterization techniques used, the results of any work presentations in monographs, conferences or scientific articles. The weighting is 40%
- Motivation letter, with a weighting of 10%.

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

$$MC=(a*0,5)+(b*0,4)+(c*0,1)$$

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 consider. 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).

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 Cristina Almeida 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 31/7/2023.

Application deadline and submission: The call for applications is open for the period of 10 working days, counted from the date of publication of the advertisement on the Euraxess portal.

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 bolsas@ecum.uminho.pt, indicating the reference 39/ECUM/CFUM/2022 - UIDB/04650/2020 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 enrolment in non-conferring degree courses.

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.

Requirements

Research Field	Physics » Other
Education Level	Master Degree or equivalent

Skills/Qualifications

Please you can find the information in the Offer Description section

Specific Requirements

Please you can find the information in the Offer Description section

Additional Information

Benefits

Please you can find the information in the Offer Description section

Eligibility criteria

Please you can find the information in the Offer Description section

Selection process

Please you can find the information in the Offer Description section

Additional comments

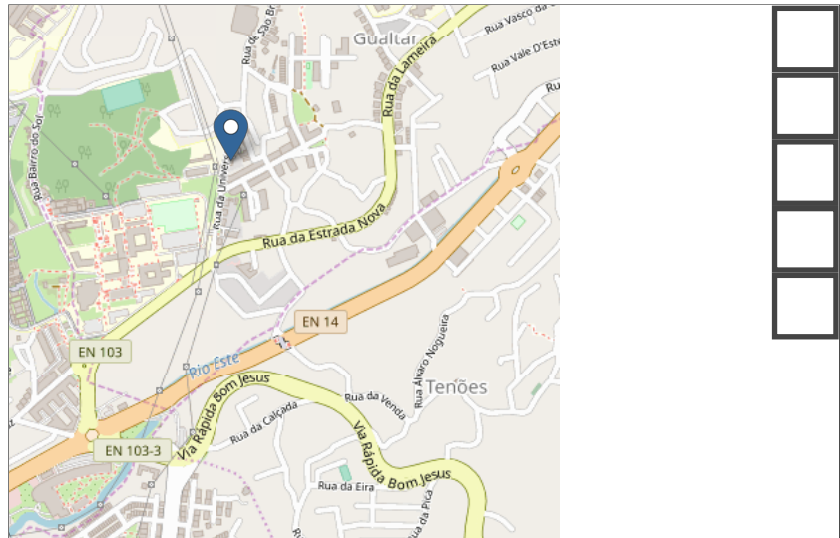
Please you can find the information in the Offer Description section

Website for additional job details

<https://www.ecum.uminho.pt/pt/Investigacao/Paginas/Emprego-Cientifico.aspx>

Work Location(s)

Number of offers available	1
Company/Institute	Universidade do Minho
Country	Portugal
State/Province	Braga
City	Braga
Postal Code	4710 - 057
Street	Campus de Gualtar
Geofield	



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Where to apply

E-mail bolsas@ecum.uminho.pt

Contact

State/Province	Braga
City	Braga
Website	https://www.uminho.pt
Street	Campus de Gualtar
Postal Code	4710-057
E-Mail	centrodefisica@fisica.uminho.pt
Phone	351 253601560