

26/10/2022

# 50/ECUM/CFUM/2022 - i4REV

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## Where to apply

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Application Deadline: 09/11/2022 23:00 - Europe/London

## Contact Details

### Where to send your application.

#### COMPANY

Universidade do Minho

#### E-MAIL

rebouta@fisica.uminho.pt

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## Hiring/Funding Organisation/Institute

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#### ORGANISATION/COMPANY

Universidade do Minho

#### COUNTRY

Portugal

#### DEPARTMENT

Escola de Ciências

#### CITY

Braga

#### ORGANISATION TYPE

Higher Education Institute

#### STATE/PROVINCE

Braga

#### WEBSITE

#### POSTAL CODE

<https://www.uminho.pt>

4710-057

**E-MAIL**

centrodefisica@fisica.uminho.pt

**STREET**

Campus de Gualtar

**PHONE**

+351 253601560

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**ORGANISATION/COMPANY**

Universidade do Minho

**LOCATION**

Portugal › Braga

**RESEARCH FIELD**

Physics

**REFERENCE NUMBER**

POCI-01-0247-FEDER-042783

**RESEARCHER PROFILE**

First Stage Researcher (R1)

**APPLICATION DEADLINE**

09/11/2022 23:00 - Europe/London

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# OFFER DESCRIPTION

## ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

Title: (Research Fellowship; 1 vacancy)

A call for applications is now open for the attribution of one research grant – master - within the scope of the R&D project “Development of Nanostructured Coatings (i4REV)”, with the reference POCI-01-0247-FEDER-042783, financed by the European Regional Development Fund (FEDER), through of the Competitiveness and Internationalization Operational Program (POCI) of PORTUGAL 2020, managed by the National Innovation Agency, under the following conditions:

Scientific Area: Physics/ Engineering Physics

Recipient category:

1. This research grant is intended for R&D activities by students enrolled in a PhD.
2. They may also be intended for R&D activities by masters enrolled in non-academic degree courses integrated into the educational project of the institution, developed in association or cooperation with one or more R&D units.

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:

1. Mandatory requirements: Master's degree in Physics, Physics Engineering, Materials Engineering, or related fields,, with expertise in thin film processing and characterization;
2. Masters enrolled in non-conferring courses: not having benefited from a non-conferring degree research grant for a cumulative period of 2 years followed or interpolated;
3. Masters enrolled in a PhD: inscription in a PhD in the area or related to the one requested in this public notice; proof of academic qualifications completed by the deadline for applications, including those resulting from academic degree recognition processes;
4. Preferential factors: good analytical and communication skills.

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: In this project intends to develop new surface treatments or nanostructured coatings that guarantee advanced functionality to glass and polymeric substrates - anti-scratch and anti-reflective.

Main goals:

- Study and development of a multilayer structure for the development of anti-reflective and anti-scratch coatings on polymeric and glass substrates.
- Study and characterization of the morphological, physicochemical, optical and mechanical properties of the developed functional and nanostructured films and what is their effect on the desired surface properties.

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 Centre of Physics, School of Sciences, of University of Minho, located in Azurém, Guimarães, under the scientific supervision of the Professor Luís Manuel Fernandes Rebouta.

Fellowship duration: The grant will take place for a period of 3 months, with a provisional starting date on the November of 2022. The fellowship grant may eventually be renewed up to the maximum limit allowed by the project and/or the applicable legislation.

Amount of the research grant: 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 by the 23st of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contracting 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 5º of the Research Fellow Statutes and applicable regulations.

Selection panel:

President of the jury: Luis Manuel Fernandes Rebouta, Associate Professor with Aggregation of the Physics Department, School of Sciences of the University of Minho;

Effective Members:

Mikhail Igorevich Vasilevskiy, Full Professor of the Physics Department, School of Sciences of the University of Minho;

Carlos José de Macedo Tavares, Assistant Professor with Aggregation of the Physics Department, School of Sciences of the University of Minho;

Substitute member:

Stanislav Lazarov Ferdov, Assistant Researcher, Centre of Physics, School of Sciences of the University of Minho;

The first effective member will substitute the President of the selection panel in case of impediment, being nominate the 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 (MC), with a weight of 70%, and an interview (ENT), with a weight of 30%, applying the following evaluation criteria, valued on a scale of 1 to 5 points:

Applicant Merit - MC (70%):

A1: Academic path (considering the classifications of academic degrees), with a weighting of 50%;

A2: Personal curriculum (considering professional and scientific background), with a weighting of 40%

A3: Motivation letter, with a weighting of 10%.

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

$$MC=(A1*0.5) + (A2*0.4) + (A3*0.1)$$

Candidates classified in the first 4 positions in the evaluation list, who obtain a minimum classification of 2.5 in the MC, will be admitted to the Interview phase, with the Jury proceeding to evaluate the following sub-criteria:

Interview - ENT (30%):

B1: Interpersonal skills, with a weighting of 30%;

B2: Knowledge demonstrated in the tender area, with a weighting of 40%

B3: Motivation, with a weighting of 20%

B4: Language skills, with a weighting of 10%

The evaluation of the Interview will be done according to the following levels:

- High – 5 points;
- Good – 4 points;
- Sufficient – 3 points;
- Reduced – 2 points;

- Insufficient – 1 point.

The Interview classification will be obtained by applying the following formula:

$$ENT = (B1*0.3) + (B2*0.4) + (B3*0.2) + (B4*0.1)$$

The final classification (CF) of the Applicant Merit (MC) and Interview (ENT) will be obtained by applying the following formula:

$$CF = (MC*0.7) + (ENT*0.3)$$

The jury reserves the right not to award the scholarship in the case that candidates do not have the appropriate profile.

Candidates who score less than 2.5 in any of the selection methods are considered excluded from the final assessment.

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).

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, Prof. 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 31/12/2022.

Application deadline and submission: The call for applications is open for a period of 10 working days counting from the date of publication of the announcement 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 [rebouta@fisica.uminho.pt](mailto:rebouta@fisica.uminho.pt) and [bolsas@ecum.uminho.pt](mailto:bolsas@ecum.uminho.pt), indicating the reference 50/ECUM/CFUM/2022 - i4REV 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.

## More Information

ADDITIONAL INFORMATION

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### 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

### Web site for additional job details

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

REQUIREMENTS

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#### Offer Requirements

### 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



# Map Information



Job Work Location



Personal Assistance locations

## WORK LOCATION(S)

1 position(s) available at  
Universidade do Minho  
Portugal  
Braga  
4710 - 057  
Campus de Gualtar

We use cookies on this site to enhance your user experience

EURAXESS offer ID: 855868

[Give me more info](#)

OK, I agree

No, thanks

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