



Universidade do Minho
Escola de Engenharia



ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

Research Fellowship (1 vacancy) CEB-BI-02-2022

A call for applications is now open for the attribution of one research grant for master students within the scope of the R&D project, Phages-on-chip - "An integrated phage-based microdevice for multiplex detection of bloodstream infections"; (POCI-01-0145-FEDER-032442) / Centre of Biological Engineering, co-financed by European Regional Development Fund (ERDF) through COMPETE 2020 program), under the following conditions:

Scientific Area: Medical Biotechnology / Health-related Biotechnology

Recipient category: Masters enrolled in a PhD degree course or in a course not conferring an academic degree integrated in the education project at University of Minho.

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 (start and term).
- Enrollment in non-certified courses (without curricular units) will not be considered as proof of enrollment.

Candidates profile:

- 1) Master degree in Biological Engineering, Bioengineering, Biomedical Engineering, or related scientific areas.
- 2) Research experience in Microbiology, namely manipulation of bacteriophages, and in molecular biology.
- 3) Preference is given to applicants with experience in microfluidic devices.

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: Development of phage-based probes for use as diagnostic tools for bacterial detection in blood. This encompasses the genetic engineering of bacteriophages and the cloning and expression of phage proteins. These probes will be used in lab-on-chip devices.

Cofinanciado por:



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



Universidade do Minho
Escola de Engenharia



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 Biological Engineering of University of Minho, located in the University of Minho, Campus of Gualtar - Braga, under the scientific supervision of Doctor Carla Carvalho (Junior Researcher).

Fellowship duration: The grant will take place for a period of 6 months, with a provisional starting date on February 2022. The fellowship grant may eventually be renewed up to the end of the project.

Amount of the research grant: The value stipend (Monthly Maintenance Allowance) is 1104,64 € 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 23st of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contract.

Other benefits: Reimbursement of Voluntary Social Security (Social Security contributions), corresponding to the 1st level of discounts 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: The selection panel shall consist of three effective members and two substitute members.

President: Carla Alexandra Oliveira Cunha Medeiros Carvalho (Junior Researcher, Department of Biological Engineering, School of Engineering, University of Minho)

Effective members: Diana Margarida Domingues de Pinho (Post Doc Research Fellow, International Iberian Nanotechnology Laboratory) and Fernanda Isabel Antunes Gomes (Junior Researcher, Department of Biological Engineering, School of Engineering, University of Minho)

Substitute members: Andrea Patricia Ribeiro da Cruz (Auxiliar Researcher, ProChild CoLAB) and Agnieszka Anna Jóskowiak (Junior Researcher, Department of Biological Engineering, School of Engineering, 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.

Cofinanciado por:



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



Universidade do Minho
Escola de Engenharia



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%):

- A1 - Academic path (considering the classifications of academic degrees), with a weighting of 40%;
- A2 - Personal curriculum (considering professional and scientific background), with a weighting of 50%
- A3 - Motivation letter, with a weighting of 10%.

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

$$MC = (A1 \times 0,4) + (A2 \times 0,5) + (A3 \times 0,1)$$

The candidates that obtain a classification in the MC inferior to 4,0 will be excluded.

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 honour of the candidate (**annex I**) with the contents of academic results (annex I). 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 (annex I) 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.

Cofinanciado por:



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



Universidade do Minho
Escola de Engenharia



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.

Application deadline and submission: The call for applications is open for a period of **13th until 26th of January 2022**, counting from the date of publication of the call 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 (**annex I**);
- motivation letter;
- statement proving that meets the conditions for the grant typology (**annex II**), according to the application requirements;
- other documents important to the evaluation process.

Applications must be sent by email to bolsas@ceb.uminho.pt, indicating the **reference of the call (CEB-BI-02-2022)** for applications in Subject. Applications submitted by other means will not be accepted.

Fellowship contract: 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.

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.

Cofinanciado por:



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



Universidade do Minho
Escola de Engenharia



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.

Cofinanciado por:



UNIÃO EUROPEIA
Fundo Europeu
de Desenvolvimento Regional

FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

ANNEX I

Declaration of Honor Academic habilitations

(Full name), carrying ID document number / passport number (XXXX), applicant to the research fellowship vacancy under the R&D project, Phages-on-chip - "An integrated phage-based microdevice for multiplex detection of bloodstream infections"; (POCI-01-0145-FEDER-032442), published in the Euraxess portal, reference (CEB-BI-02-2022), hereby declares to have a degree on (name of the course), concluded in the University of (XXXX), on the (conclusion date), with the final grade of (XXXX).

I have submitted my diploma for recognition at the University of XXXXX, according to the Decree-Law n° 66/2018 of August 16th(¹), concluded in the XX/XX/XXXX, with the final grade of XXXXX out of YY.

I also declare that I commit to provide 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).

(name)

¹ DGES (Foreign Degrees and Diplomas): <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition?plid=1536>; University of Minho: Recognition of foreign degrees and diplomas: <https://www.uminho.pt/EN/education/Pages/recognition-of-foreign-qualifications.aspx>

ANNEX II

Declaration of Honor

(Full name), carrying ID document number / passport number (XXXX), applicant to the research fellowship vacancy under the R&D project, Phages-on-chip - "An integrated phage-based microdevice for multiplex detection of bloodstream infections"; (POCI-01-0145-FEDER-032442), published in the Euraxess portal, reference (CEB-BI-02-2022), hereby declares that until now have never received any research grant.

or

hereby declares that have received the following research grants under the research fellowship statutes.

(fill in as appropriate):

Starting date	Fellowship duration (month)	Type of fellowship	Host/Contracting institution

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

(Place), (date).

(name)