

## GLOSSÁRIO:

Bolsa de Investigação (doutoramento ou mestrado) – Research Studentship

Bolsa de Investigação (pós-doutoramento) – Research Fellowship (PhD)

Contrato de Inv. Doutorado/a – Postdoctoral Research Position

Contrato de Assistente Investigação – Research Assistant (PhD/ MA)

## **RESEARCH STUDENTSHIP** **Call for applications – 1 (one) vacancy**

The Centre for Social Studies (CES) – Associate Laboratory - University of Coimbra (Portugal), opens a call for applications for 1 research studentship (CES/25/2022-BI-BIOASSEMBLER) in the project “BIOASSEMBLER - *Integrating bio-inspired assembly into semiconductor manufacturing technology for biosensors*” (GA 101070589), funded by the European Commission - European Health and Digital Executive Agency (HADEA) under the Horizon Europe Programme, with the participation of CES coordinated by Hugo Pinto.

CES provides a stimulating intellectual environment in the domain of social sciences and humanities. The project is part of the research line 1 - (Semi-)Peripheral Capitalism: Crises and Alternatives, aiming at deepen the knowledge indispensable towards the construction of a sustainable economy from a social, ecological, territorial and life security point of view. To this end, attention is given to the material and institutional structures of the economy, to the international dynamics of peripheralization, to the complexity of work as a structuring dimension of contemporary life, to the multidimensional and multiscale conditions of democracy and the public sphere, and to participatory and inclusive forms of organisation of society.

CES collaborates in the organization of various doctoral programmes with different units of the University of Coimbra, with reference in this context to the Doctoral Programmes "Governance, Knowledge and Innovation" and "Political Economy: Interdisciplinary PhD". These doctoral programmes encourage communities of young researchers to develop innovative research projects on related topics, with critical perspectives and contributions to sustainable and fair economies and societies.

### **a. Project Description:**

The sustainable transformation of traditional manufacturing systems is critical for the societies of the future. Climate change and increasing resource use require the emergence of innovative bio-smart solutions. However, the innovation environment needs to take into account the impacts of new technologies on economic and social systems. BIOASSEMBLER - *Integrating bio-inspired assembly into semiconductor manufacturing technology for biosensors* project will develop a bio-inspired assembly technology for scalable manufacturing of silicon-based label free multiplex biosensors in semiconductor fabrication platforms. Focusing on the development of these technologies and how they will contribute to the transformation of the semiconductor industry, BIOASSEMBLER mobilises expertise from the Social Sciences and Humanities in the social and economic assessment of these technological innovations to foster the project's potential to establish sustainable innovation principles, while enabling the transformation of industry in the EU and the sustainable promotion of value creation. The project will also develop innovative strategies for a science-society linkage to engage different social actors - e.g. environmentalists, farmers, students, policy makers - contributing to the advancement of science policies and a more informed society.

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Expected duration of project execution: 36 months, starting September 1, 2022

### **b. Scientific field:**

Social Sciences and/or Humanities - preference for candidates with a degree in economics or sociology and attendance of a course unit on economics of innovation and/or science, technology or innovation studies.

### **c. Work plan, tasks:**

The selected researcher is expected to have the following responsibilities:

- i) Support to the scientific tasks foreseen in the project application, namely: literature review; desk research; support to the socio-economic analysis of the technologies being developed in the project, namely through bibliometric analysis of publications and patents; support to the organization of participative workshops on the impacts of these technologies;
- ii) Support in the elaboration of progress reports, writing of scientific papers and articles;
- iii) Support in general project management and communication tasks, specifically the organisation of team meetings, workshops and international conference and of materials for communication and dissemination of results.

### **d. Applicable Legislation and Regulations:**

Portuguese Law nº 40/2004, of 18 August (Scientific Research Fellow Statute) and following amendments; FCT's (National Agency for Science and Technology) Regulations for Advanced Training and Qualification of Human Resources, and Regulations for Fellowships at the Centre for Social Studies.

Template of the fellowship contract:

[https://ces.uc.pt/oportunidades/bolsasemprego/Minuta\\_Contrato\\_Bolsa\\_CES.pdf](https://ces.uc.pt/oportunidades/bolsasemprego/Minuta_Contrato_Bolsa_CES.pdf)

Template of the final activities report:

[https://ces.uc.pt/oportunidades/bolsasemprego/E\\_Relatorio\\_actividades.pdf](https://ces.uc.pt/oportunidades/bolsasemprego/E_Relatorio_actividades.pdf)

### **e. Work place:**

The tasks will be performed at the Centre for Social Studies facilities or in other locations when necessary for the good implementation of the work plan, under the scientific supervision of the Project's Principal Investigator.

### **f. Duration of the fellowship contract:**

The fellowship will last 12 months, starting in October 2022. The fellowship contract may be extended for equal or different time periods, until the end of the project, depending on the evaluation of the work carried out, the financial provisions and scientific needs of the project.

### **g. Application dates:**

Opens on: 1 August 2022

Closes on: 1 September 2022

### **h. Application process:**

Applications must include:

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- a) a letter of intent/motivation in English with the contest reference (CES/25/2022-BI-BIOASSEMBLER), e-mail and phone number;
- b) detailed Curriculum Vitae;
- c) copies of degree certificates; (note: candidates must meet the eligibility conditions and conditions indicated in point k.)
- d) copy of the enrolment for the PhD in the academic year 2021/2022 or 2022/2023 or copy of the enrolment in a non-academic degree, but integrated in the pedagogical project of a higher education institution (note: candidates must meet the eligibility conditions) and conditions indicated in point k.).
- e) Two academic papers of the applicant's authorship, one in English (preferably) and another in Portuguese (article in a scientific journal or in conference proceedings, the chapter of a book, or a Bachelor or Master's thesis (note: in case of a co-authored text, the applicant's contribution should be indicated));
- f) other relevant documents for eligibility purposes.

Applications should be sent by email to [concursos@ces.uc.pt](mailto:concursos@ces.uc.pt) until the final deadline, and will be valid only after a reading receipt is sent. Applications must include a clear indication of the reference of this call (CES/25/2022-BI-BIOASSEMBLER).

## SKILLS/QUALIFICATIONS

### i. Preferred selection criteria and their weighing:

1. Motivation letter (10%);
2. Research experience in projects in similar topics (15%);
3. Mastery of quantitative and qualitative research methodologies (15%);
4. Demonstrate interest in pursuing doctoral studies on governance and/or political economy of science, technology and innovation (15%);
4. Excellent communication skills, including written expression and public presentations, in Portuguese and English (15%);
5. Capacity for teamwork, initiative, autonomy and availability to undertake national and international travel (15%);
6. Publications/Sample written works (15%).

The jury reserves the right not to select any candidate.

## BENEFITS

### j. Monthly Allowance

The monthly stipend is 1144,64 euros according with the Regulations for Fellowships at the Centre for Social Studies and at FCT. The payment of the Voluntary Social Insurance and the Personal Accident Insurance adds up to this amount (<https://www.fct.pt/apoios/bolsas/valores.phtml.en>)

## ELIGIBILITY CRITERIA

### k. Mandatory requirements

1. Be a doctoral student (see associated conditions in a);

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2. Hold a bachelor's or master's degree in the area of Social Sciences and / or humanities (see associated conditions in b);

a) Applicants must provide proof of enrolment in a doctoral, in the current academic year. If at the time of application, the applicant does not have a valid document proving their enrolment, they must send a declaration of honour in which they state to undertake the enrolment within a maximum period of 30 days after the communication of the results, under penalty of not contracting the scholarship.

b) Applicants with an academic degree and diploma issued by a foreign Higher Education Institution must present proof of recognition of the academic degree by the Portuguese Higher Education System, (law DL66/2018). Any candidate without the recognition of the degree(s) will be admitted to the competition, but during the evaluation process the selection panel, cannot:

- i) recognize the candidate's grades and assess according to the possession of such grades;
- ii) give equivalence to, or validate, the grade of her/his degree;
- iii) use that note or its conversion as an evaluation parameter.

In case of selection, the fellowship contract can only be signed after the recognition of the academic degree by the Portuguese authorities, under the terms of the Law-decree n66/2018, August 16. The selected candidate must deliver the recognition of the degree within 30 days after the communication of the results. After the 30 days, the jury may decide to 1. either extend the deadline for the candidate to prove the recognition; 2. assign the fellowship to the second place; 3. or not award the fellowship.

## SELECTION PROCESS

### I. Selection process

Applicants will be selected based on their curricular evaluation. In case of equivalent curricular evaluations, the best-positioned applicants should be short-listed for an interview, meant to assess the applicant's potential in integrating the project's scientific dynamic and his/her motivation in pursuing studies related to the project's thematic areas. Each of the two methods of selection applied will have a rating of 50% in the final classification.

### m. Selection panel:

- Hugo Pinto (President)
- Rita Campos (permanent member)
- Tiago Santos Pereira (permanent member)
- Filipa Queirós (substitute member)
- Joana Vaz Sousa (substitute member)

### n. Communication of Results:

All candidates will receive the results by email. The meeting minutes of the selection panel will become available publicly. After the communication of results, applicants have 10 working days to present a redress to the evaluation and the result by email.

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#### **ADDITIONAL COMMENTS**

##### *Equality of opportunities:*

CES abides by the national law that regulates the prevention, prohibition and fighting against discrimination on the grounds of racial and ethnic identity, colour, nationality, family background, and territory of origin (Law nº 93/2017, 23 August).

##### *Data protection:*

By submitting your application, you are agreeing with the use of your personal data by CES administrative services for the sole purpose of the current call, namely to be contacted directly by CES services and allow the communication of results as in point n. of this call. CES abides by the principles of GDPR.

##### **Contact:**

Centro de Estudos Sociais

Colégio S. Jerónimo, Apartado 3087

3000-995 Coimbra, Portugal

[concursos@ces.uc.pt](mailto:concursos@ces.uc.pt)

##### **Website for additional job details**

<https://www.ces.uc.pt/pt/agenda-noticias/emprego-bolsas-estagios>