

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/07/2023-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 Rita Campos.

CES provides a stimulating intellectual environment in the domain of social sciences and humanities. The project is part of the research line 4 Risk(s), Ecologies, Health, whose objective is to promote an integrated approach to risks and threats and their impacts on the ecosystem and human and non-human well-being, building a dialogue with socially robust approaches and interventions designed from responsible research and innovation tools and procedures, involving methodologies and analytical frameworks for the prediction, mitigation and adequate recovery from risks. This integrated approach incorporates climate change, health transformations and emergencies, (bio)surveillance and social control as the main factors, proposing sustainable, ecological and equity-based alternatives for production and consumption, healthcare and social well-being, and relying on collaborative and participatory methodologies.

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. These include art-based and participatory approaches to science communication and science education.

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 education, communication, sociology or anthropology. Candidates with degrees in other scientific areas will be considered if they demonstrate work and/or research experience in areas related to science communication and/or non-formal science education.

c. Work plan, tasks:

The selected fellow is expected to prepare and develop a master's dissertation on a topic considered relevant to the scientific framework of the project, under the supervision of the Project's Principal Investigator.

The activities to be performed by the Scholarship Holder include:

- i) Support for carrying out the scientific communication and dissemination tasks foreseen in the project application, in conjunction with scientific tasks, namely: promotion of social networks (LinkedIn, Facebook and Twitter); website management and updating; support for the development of communication and education materials; support in the organisation of participatory workshops about the impacts of these technologies; support in the production and organisation of an artistic residency and exhibition;
- 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, advanced training courses and seminars.

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

Template of the final activities report:

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 July 2023. 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: 01 April 2023

Closes on: 9 July 2023



h. Application process:

Applications must include:

- a) a letter of intent/motivation in English with the contest reference (CES/07/2023-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 Master's Programme in the academic year 2022/2023 (note: candidates must meet the eligibility conditions and conditions indicated in point k.).
- e) One selected work representative of the applicant's previous experience in science communication or non-formal science education;
- f) other relevant documents for eligibility purposes.

Applications should be sent by email to 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/07/2023-BI-BIOASSEMBLER).

SKILLS/QUALIFICATIONS

i. Preferred selection criteria and their weighing:

1. Motivation letter (10%);
2. Research experience in science communication or non-formal science education and/or in the production of scientific knowledge communication content for non-academic audiences (20%)
3. Mastery of quantitative and qualitative research methodologies (15%);
4. Demonstrate interest in pursuing master's studies on science communication and/or non-formal science education (15%);
5. Excellent communication skills, including written expression and public presentations, in Portuguese and English (15%);
6. Capacity for teamwork, initiative, autonomy and availability to undertake national and international travel (15%);
7. Publications/Sample written works (10%).

The jury reserves the right not to select any candidate.

BENEFITS

j. Monthly Allowance

The monthly stipend is 1000 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/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf)



ELIGIBILITY CRITERIA

k. Mandatory requirements

1. Be a MA student in the field of science communication or science education (see associated conditions in a);
2. Hold a bachelor's or master's degree in the field of Social Sciences and / or Humanities (see associated conditions in b) and c);

a) Applicants must provide proof of enrolment in a master's degree, in the current academic year (2022-23) or for the next academic year (2023-24). 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.

c) Candidates with an academic degree or diploma in scientific areas other than Social Sciences and Humanities must present evidence of previous professional and/or scientific experience in the areas of science communication and/or non-formal science education.

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:

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

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

Website for additional job details

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

