



**OPENING NOTICE POST-DOCTORAL RESEARCH FELLOWSHIP (BIPD)**

**Reference: CBR/BIPD/1-2024**



The Rector of Universidade Católica Portuguesa, Prof. Dr. Isabel Capelo Gil, hereby announces the opening of an international call for applications for one Post-Doctoral Research Fellowship, under the terms of UCP's regulations on scientific research grants, to carry out research activities in the scientific field of Complex Networks and Systems, funded by Universidade Católica Portuguesa, in the scope of the Católica Biomedical Research Centre's core funding for the development of research activities.

**1. GENERAL ADMISSION REQUIREMENTS**

- At the time of application, candidates must have completed a Ph.D. degree, obtained not more than three years before the start date of the fellowship;
- The doctoral work should not have been accomplished in the institution awarding the present fellowship;
- Only candidates who do not exceed, with the conclusion of the fellowship contract referred to in this notice, including the planned renewals, a cumulative period of three years in this type of fellowship, consecutive or interpolated, are eligible.

**2. SPECIFIC ADMISSION REQUIREMENTS**

- PhD in the scientific field of Complex Systems, Network Science, Physics, Applied Mathematics, Informatics or Computer Science;
- Ability to work individually and in collaboration with other team members;
- Good communication skills, including a good level of spoken and written English, which allows good communication and work in an international environment;
- High degree of initiative and rigor;
- High level of commitment and collaboration.

**3. WORK PLAN**

Study of the role of redundancy and channeling in network models in the area of biomedicine, including the development of algorithms and software to analyze and visualize graphs. Development of the distance closure package in Python to include generalizations of measures in graphs, visualization routines, and different distance backbones. Biomedical networks to be studied include models of cerebral connections, gene regulation, comorbidity in human populations, epidemic transmission, among others. In addition to the methodological developments, the temporal behavior of redundancy and channeling measures in the dynamic evolution and control of systems biology will be studied.

**4. APPLICABLE LAW AND REGULATIONS**

Law n. º 40/2004, of 18 of August (Research Fellowship Holder Statute), altered by Decree-Law n. º 123/2019, of 28 of August and UCP Research Fellowship Regulation.



#### 5. WORKPLACE AND SCIENTIFIC GUIDANCE

The work will be developed at the Católica Biomedical Research Center of Universidade Católica Portuguesa, located at Rua da Quinta Grande 6, Oeiras, Portugal, under the scientific supervision of Professor Pedro Simas and co-supervision of Professor Luís Rocha.

#### 6. FELLOWSHIP'S DURATION AND START DATE

The fellowship will be awarded for a period of 12 months, in exclusive commitment. The fellowship may be renewed for equal periods up to the fullest extent permitted by applicable regulations.

The fellowship is planned to start in October 2024.

#### 7. MONTHLY MAINTENANCE ALLOWANCE

The fellowship's maintenance allowance is 1.801,00 € per month, paid monthly by wire transfer. The fellowship holder will be covered by a personal accident insurance.

If not covered by any social protection scheme, the fellowship holder can ensure the right to Social Security through adherence to the Voluntary Social Security scheme, pursuant to "Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social". Provided that the awarded fellowship has a minimum duration of 6 months, the fellowship holder will be entitled to be reimbursed, by UCP, of the charges resulting from the contributions that apply to the first bracket referred to in article 36 of Decree-Law no. 40/89, of 1 February, with the increase in charges arising from the option for the payment of a higher incidence base being paid by the fellow.

#### 8. SELECTION METHOD

The candidates' final classification shall be presented on a scale of 0 to 100.

Candidates will be assessed based on 3 criteria:

- A. Academic curriculum assessment (50%)
- B. References (10%)
- C. Motivation Letter (30%)

If deemed necessary by the jury, the interview with the selected candidates will represent 10% of the final grade.

The selection panel reserves the right not to select any candidate if it considers that none of the candidates has the required profile.

#### 9. COMPOSITION OF THE SELECTION PANEL

President of the Jury: Professor Pedro Simas

Effective Member: Professor Luís Rocha

Effective Member: Professor Jon Sanchez-Valle

#### 10. REQUIRED DOCUMENTS FOR APPLICATION

Applications are to be submitted in English and must include the following documents:

1. Letter elaborating on the motivations and objectives for applying to the BIPD fellowship;



2. Curriculum Vitae including all the elements to access the admission requirements, namely all the research fellowships previously awarded, if applicable;
3. Doctoral Certificate with date of admission to the degree;

In case of not being possible to obtain the certificate mentioned in 3. until the due date of the application, the candidate may replace them by declarations of their responsibility with the corresponding content, submitted electronically and, in case of grant of the fellowship, send the official certificates to CBR, before the contract being signed.

#### **11. DEADLINES AND SUBMISSION OF APPLICATIONS**

Required documents should be sent by e-mail to [rocha@binghamton.edu](mailto:rocha@binghamton.edu) from September 30th to October 10th (until 5 pm, Lisbon time) with the following reference in the Subject of the e-mail: CBR/BIPD/1-2024- #Candidate's name#.

No document that should have been submitted at the application stage may be presented after the deadline set for this purpose in the opening notice. Failure to comply with the deadline set for the submission of the application, as well as the lack of submission or late submission of the documents referred to in this point will determine exclusion from the competition. False statements provided by the candidates are punishable by law.

#### **12. DELIBERATION AND RELEASE OF THE RESULTS**

The selection panel deliberates in accordance with adopted and disclosed selection criteria. Minutes of panel meetings shall include a summary of the meeting content. After application of the selection criteria, the panel shall prepare a ranked list of approved candidates and respective classification.

The final results of the evaluation will be sent by e-mail to all applicants within 90 working days after the deadline for the applications.

In the 10 working days after the communication of the final decision, the selected candidate must confirm in writing his/her availability to initiate the fellowship in the proposed date. In case of unavailability, the offer will be made to the next candidate in the ranked list.

#### **13. PRIOR HEARING, COMPLAINTS AND APPEALS**

In case of unfavorable decision, candidates will have 10 working days after notification to pronounce in a prior hearing, should they wish it, under the terms of the Code of Administrative Procedures. The final decision may be subject to a complaint within a period of 15 working days or, alternatively, of an appeal within a period of 30 working days, with both durations beginning on the date of the initial notification. The complaint or appeal should be addressed to the Rector's Office (Reitoria) of Universidade Católica Portuguesa. After this notification, and in case there are no allegations, the results will become definitive. Ineligible candidates will be notified by email, with details of the missing eligibility elements.

#### **14. PRIVACY POLICY**

Universidade Católica Portuguesa is the controller responsible for the processing of Personal Data in accordance with Regulation (EU) 2016/679 – General Regulation on Data Protection.



The personal data submitted within the scope of this tender procedure is processed within the framework of said tender procedure only, and will be treated by Universidade Católica Portuguesa with the purpose of verifying the fulfillment, by the candidates, of the assumptions established in the applicable legislation for their contracting. Opposition to the processing of data by the candidates will make it impossible to accept the application and, therefore, to analyze and evaluate it.

The personal data of the Data Subject, if it be indispensable for the fulfillment of the obligations of Universidade Católica Portuguesa, may be conveyed to third parties, namely to the Financing Entities identified in this announcement.

The data retention period shall correspond to the legally defined period of five years.

The Data Subject is entitled to oppose to the collection and processing of data, has the right to verification, the right to rectification, the right to deletion, and the right to restriction of processing of the data collected. However, the exercise of such rights may be excluded when the personal data is used to protect public interest, namely in the detection and prevention of crimes or when subject to professional rules of confidentiality.

The Data Subject has the right of access and portability of the data.

Rights of Personal Data Subjects: <https://www.ucp.pt/rights-data-subjects>.

For purposes of exercising the respective rights, contact the University through the e-mail address [compliance.rgpd@ucp.pt](mailto:compliance.rgpd@ucp.pt).

The Data Subject is always entitled to contact and file a complaint with the Comissão Nacional de Proteção de Dados (Portuguese Supervisory Authority for Personal Data).

#### **15. NON-DISCRIMINATION AND EQUAL ACCESS POLICY**

Universidade Católica Portuguesa actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, gender, sexual orientation, marital status, family status, family and economic conditions, instruction, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions, and union membership.

#### **16. CONTACTS FOR FURTHER INFORMATION**

Católica Biomedical Research Centre, Rua da Quinta Grande 6, 2780-156 Oeiras

Human Resources Department

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Lisbon, 26 September 2024

The Rector