

Open Call for a Research Fellowship under the Project 2022.09122.PTDC

The Instituto Gulbenkian de Ciência (IGC) is welcoming applications to a Research Fellowship within the project 2022.09122.PTDC, entitled: “Redundancy effects on spread and control in network dynamics: applications in computational biomedicine” financed by Fundação para a Ciência e a Tecnologia (FCT), I.P./MCTES, through national funds, with the following conditions:

1. Duration The fellowship duration according to the [IGC Research Fellowship Regulation](#) approved by FCT is 6 months, with the possibility of renewal up to a maximum limit of 2 years. The fellowship contract is expected to start by July 2023, under the exclusiveness regime as required by Research Fellowship Regulation of Fundação para a Ciência e Tecnologia, IP (FCT).

2. Subject of Activities: Study the effective graph and canalizing map of Automata networks. This includes studying the network structure, spreading dynamics, controllability, and criticality of random and systems biology network models.~New developments will be added to open'source software package CANA.

3. Scientific Guidance: The selected candidate will join the Complex Adaptive Systems and Computational Biology Lab (<https://gulbenkian.pt/ciencia/research-groups/lrocha/>) headed by Dr. Luís Rocha.

4. Academic Profile and Admission Requirements: Master degree in Complex Systems, Network Science, Physics, Mathematics, Applied Mathematics, Informatics, Computer Science, Physics, or Engineering.

Additionally, we will prefer candidates with:

- i) Capacity to work both independently and as a part of a team are required;
- ii) Good communication skills, including a good level of spoken and written English, which would enable a good communication and work in an international setting, are necessary;
- iii) High commitment and a collaborative attitude are needed for this job;
- iv) High degree of initiative and rigor.

According to article 3, point 2 of [IGC Research Fellowship Regulation](#), the selected candidate must be enrolled in non-academic degree course integrated in the educational project of a higher education institution.

If the qualification has been conferred by a foreign higher education institution it must be recognized by a Portuguese higher education institution, under the terms of the provisions of article 25.º of Decree-Law n.º 66/2018, of August 16th (<https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>), which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, and of paragraph e) of n.º 2 of article 4.º of Decree-Law n.º 60/2018, of August 3rd, and any formalities established therein must be fulfilled by the date of the hiring act. The jury reserves the right to invite the candidate ranked immediately after to the position in question when the first ranked candidate is not recognized with the academic degree after the aforementioned formalities have been fulfilled.

Financiado por:

5. For Portuguese taxpayers: All candidates that where/are currently taxpayers in Portugal are required to present evidence of the fulfillment of their individual obligations towards the Portuguese Tax Authority and Social Security. Failure to comply with this requirement will be considered as a criteria for exclusion from the recruitment process.

6. Applicable legislation and Regulation: All candidates must comply with the [IGC Research Fellowship Regulation](#); [Research Fellowship Statutes](#) amended by [Decree n° 123/2019](#) of August 28th; [FCT Legislation and Regulations for Fellowships](#) and the [Decree-Law n.º 66/2018](#), of August 16th (Legal regime for recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions)

7. Subsidy Month Stipend: 1.300,00 €/month according to the table of monthly maintenance allowance amounts set out in Annex I of [IGC Research Fellowship Regulation](#). FCT will pay the amount of 1199,64 € and Fundação Calouste Gulbenkian / Instituto Gulbenkian de Ciência will pay the remaining amount. The payment will be made by bank transfer. The selected candidate will be reimbursed for the amount corresponding to the Voluntary Social Security contribution.

8. Deadline for applications and how to submit applications: Interested candidates should send their applications to igcpositions@igc.gulbenkian.pt in a single PDF file, named “**Applicant name_ Research Fellowship_ Network Dynamics**”, containing: Motivation Letter (2 page max); Curriculum Vitae (2 pages max), two reference letters and proof of degree.

9. Methods of Selection and Evaluation: The selection procedure shall be as follows: Curriculum (50%), reference letters (10%), motivation letter (30%). If considered necessary by the jury, the interview of the selected applicants will represent 10% of the final evaluation.

10. Jury Selection: Chairman: Dr. Luis M. Rocha. Other members: Dr. Rion Brattig Correia and Dr. Paulo Navarro Costa. Substitute member: Dr. João Xavier.

11. Form of Advertising / Notification of results: The assessment results will be sent to all candidates and to the FCT by email. There will be 10 working days for complaints/appeals after the date of publication of the Selection Minute, through the same application email.

12. Application Period: From 01/06/2023 until 16/06/2023.

13. Non-discrimination and equal access policy: The Instituto Gulbenkian de Ciência of the Calouste Gulbenkian Foundation actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefitted, impaired or deprived of any rights whatsoever, or be exempt of any duties based on ancestry, age, sex, sexual preference, marital status, family and economic conditions, education, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.