

## Open Call for a Research Fellowship under the Project PTDC/BIA-COM/3068/2020

The Instituto Gulbenkian de Ciência (IGC) is welcoming applications to a Research Fellowship within the project PTDC/BIA-COM/3068/2020, entitled: “Genetic toolkits and the molecular evolution of social behaviour: teleost fish as a model for comparative study” financed by Fundação para a Ciência e a Tecnologia (FCT), I.P./MCTES, through national funds (PIDDAC), 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:** An artificial selection experiment for sociality on zebrafish has been ongoing for seven generations, where fish were selected for high social preference. In parallel, by taking advantage of the repeated evolution of social traits that naturally occurred in the Tanganyika Lake cichlids, we also study the occurrence of a genetic toolkit for social behaviour by comparing its genetic architecture across species that independently evolved the target social traits. This project aims to measure the brain response to artificial selection on the one hand, and to repeated social evolution on the other, by using cutting-edge techniques such as spatial transcriptomics to compare gene networks and gene multi-layered networks. Co-expression modules, co-splicing networks and network topology will also be compared between the divergent zebrafish lines and the different cichlid's species. The fellow will be involved in the bioinformatic pipeline analysis.

**3. Scientific Guidance:** The selected candidate will join the Integrative Behavioural Biology Lab (<https://gulbenkian.pt/ciencia/research-groups/roliveira/> : <https://oliveiralab.org> ) headed by Dr. Rui Oliveira.

**4. Academic Profile and Admission Requirements:** Bachelor (Bsc) degree in Bioinformatics, Biology, or related areas.

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 16<sup>th</sup> (<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

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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.

**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.º 123/2019](#) of August 28<sup>th</sup>; [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:** 1.025,00€/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 930,98 € 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](mailto:igcpositions@igc.gulbenkian.pt) in a single PDF file, named “**Applicant name\_ Research Fellowship Social Genes**”, 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. Rui Oliveira. Other members: Dr. Magda Teles and Dr. Kyriacos Kareklas. Substitute member: Dr. Susana Varela.

**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 26/05/2023 until 26/06/2023.

**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.

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