

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

The Instituto Gulbenkian de Ciência is welcoming applications to a Research Fellowship within the project **PTDC/BIA-COM/3068/2020**, with the title “Genetic toolkits and the molecular evolution of social behaviour: teleost fish as a comparative study model”, financed by Fundação para a Ciência e Tecnologia through national funds (PIDDAC), with the following conditions:

1. Duration: The fellowship will have the duration of 12 months with the possibility of renewal until the end of the project or until the end date of the project’s possible renewal, expected to start in November 2021, in the exclusiveness regime as the regulation of research fellow by the Fundação para a Ciência e Tecnologia, IP into force.

2. Subject of Activities: The goal of this project is to test the occurrence of evolutionarily conserved gene networks involved in the regulation of social behavior, using the explosive radiation of Lake Tanganyika cichlids for a comparative approach, as they present a wide natural range of social phenotypes among phylogenetically closely related species. Tasks include: (i) phylogenetically mapping repeated evolutionary transitions between social phenotypes and searching for genes and gene networks associated with these transitions, using the brain genomes and transcriptomes already available for a large number of these species; (ii) test the hypothesis that intra- and inter-specific variation of social phenotypes is based on the same brain gene networks, using multi-layered network analysis in a species with intra-specific variation, and comparing it with related species that exhibit each of these phenotypes separately.

3. Research Groups: Integrative Behavioural Biology – Rui Oliveira

4. Academic Profile and Selection Criteria: Bachelor (Bsc)/ Master (MsC) in Biology or related scientific area. The desired candidate should be a PhD student or bachelor/master enrolled in non-academic degree courses. Good knowledge of spoken and written English (essential). The desired candidate should have experience in molecular biology and be familiar with bioinformatics methods and techniques.

5. Legislation and Applicable Regulation: Statute of the Scientific Research Fellow, Research Fellowship Regulations of the Foundation for Science and Technology I.P. in force; and the Research Fellowship Regulations from Instituto Gulbenkian de Ciência (IGC), Oeiras, Portugal. To know more about the changes introduced on the Statute of the Scientific Research Fellow by the Law Decree nº 123/2019 please consult the page <https://dre.pt/web/guest/home/-/dre/124256707/details/maximized?res=pt#resumo-claro>.

6. Subsidy Month Stipend: According to the regulations of the FCT Scientific Fellowships in Portugal (€1.104,64/month + Social Security), <http://www.fct.pt/apoios/bolsas/valores>, the payment will be made by bank transfer.

7. Application Documents: Motivation letter, *Curriculum Vitae* (including contacts of two references) and *proof of degree* should be sent by e-mail in a single PDF file named “SocialGenes_candidate name.pdf” to the Email address: roliveira@igc.gulbenkian.pt

All candidates (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.

8. Methods of Selection and Evaluation: The selection procedure shall be as follows: CV and previous experience (60%) and motivation letter (20%). The top 3 candidates will be interviewed (20%).

9. Jury Selection: Chairman: Rui Oliveira, PhD. Other members: Magda Teles, PhD, and Ana Rita Nunes, PhD.

10. 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 Minutes, through the same application email.

11. Application Period: From 08.10.2021 until 31.10.2021.