Open Call for a Research Fellowship under the Project "LA/P/0087/2020", designated by "*Laboratório Associado* Life Sciences for a Healthy and Sustainable Future - LS4FUTURE"

The Instituto Gulbenkian de Ciência (IGC) is welcoming applications to a Research Fellowship within the project Project "LA/P/0087/2020", designated by "*Laboratório Associado* Life Sciences for a Healthy and Sustainable Future - LS4FUTURE", financed by national funds through FCT/MCTES (PIDDAC), through the project Lab Associate, with the following conditions:

1. Duration The fellowship duration according to the IGC Research Fellowship Regulation approved by FCT is 12 months, with the possibility of renewal up to a maximum limit of 2 years. The fellowship contract is expected to start by September 2023, under the exclusiveness regime as required by Research Fellowship Regulation of Fundação para a Ciência e Tecnologia, IP (FCT).

2. Subject of Activities: We are seeking a highly skilled and motivated Biological Data Analyst to join our team. The successful candidate will be responsible for analyzing and interpreting biological data, and providing insights to support research projects.

Responsibilities:

- Perform analysis and integration of biological datasets, including multiomics data (genomics, transcriptomics, proteomics and metabolomics data), as well as help with their interpretation;
- Collaborate with researchers on experimental design, hypotheses development and analysis plan;
- Develop and apply computational tools and statistical methods to analyze data and identify patterns and trends;
- Communicate findings and insights to researchers, and present results in reports, presentations, and publications;
- Participate in the development and implementation of new analytical methods and pipelines for data processing and analysis;
- Stay up-to-date with the latest developments in data analysis and machine learning tools and methods;
- Ensure adherence to best practices for data management and quality control;
- Troubleshoot technical problems and provide support to researchers in data analysis and interpretation.

3. Academic Profile and Admission Requirements:

- Master's degree in the Life Sciences;
- Strong background in statistics, and data analysis, with experience in biological data analysis;
- Proficiency in programming languages R, and/or Python and experience with statistical analysis and visualization software;
- Profiency in statistical methodologies such as regression analysis (GLMs), survival analysis, cluster analysis and dimensionality reduction techniques;

- Familiarity with RMarkdown or iPython/Jupyter notebooks and the respective ecosystem;
- Familiarity with bioinformatics data resources, tools, and databases;
- Strong problem-solving and critical thinking skills, with ability to develop innovative solutions for data analysis and interpretation;
- Excellent communication and interpersonal skills, with ability to work effectively in a team-oriented environment;
- Demonstrated ability to manage and analyze large datasets, and to develop and apply statistical models and algorithms for data analysis;
- Ability to work independently, prioritize tasks, and meet deadlines;
- Familiarity with relevant regulations, standards, and guidelines for biological data analysis.

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.

4. 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.

5. Applicable legislation and Regulation: All candidates must comply with the IGC Research Fellowship Regulation; Research Fellowship Statutes amended by Decree nº 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)

6. 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 finance the amount of 1199,64 € and Fundação Calouste Gulbenkian / Instituto Gulbenkian de Ciência will finance 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.

7. 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_ADA**", containing: Motivation Letter (2 page max); Curriculum Vitae (2 pages max), two reference letters and proof of degree.

8. 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.

9. Jury Selection: Chairman: Dr. Tiago Paixão. Other members: Dr. Ricardo Leite and Dr. Nelson Martins. Substitute member: Dr. Pablo Sartori.

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 Minute, through the same application email.

11. Application Period: From 03/08/2023 until 04/09/2023.

12. 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.