

Open Call for a Postdoctoral Research Fellowship

The Instituto Gulbenkian de Ciência (IGC) is welcoming applications to a Postdoctoral Research Fellowship (BI-PD) within the project 101099654 - RT-SuperES - HORIZON-EIC-2022-PATHFINDEROPEN-01, entitled: “Real-Time high-content Super-Resolution Imaging of ES Cell States” financed by Horizon Europe, with the following conditions:

1. **Duration:** The fellowship duration, according to the [IGC Research Fellowship Regulation](#) approved by Fundação para a Ciência e Tecnologia, IP (FCT) is 12 months, renewable for up to 3 years. The fellowship contract is expected to start in October 2023, under the exclusiveness regime as required by the Research Fellowship Regulation of FCT.

2. **Subject of Activities:** The successful candidate will work on the development of a new generation of super-resolution microscopes for the study of stem cell differentiation. The project will involve the development of new algorithms for real-time image processing and machine learning, as well as the development of new optical systems for super-resolution imaging. The candidate will be part of a multidisciplinary team of physicists, biologists, and engineers, and will have the opportunity to work in a highly collaborative environment with access to state-of-the-art facilities. This project is part of the multi-international RT-SuperES consortium, established between Instituto Gulbenkian de Ciência (Portugal), the Hebrew University of Jerusalem (Israel - coordinator), Institut Curie (France), Abbelight (France), the Centre National de la Recherche Scientifique (France) and the European Molecular Biology Laboratory (Germany).

3. **Scientific Guidance:** The selected candidate will join the Optical Cell Biology laboratory (<https://gulbenkian.pt/ciencia/research-groups/rhenriques/>), headed by Dr. Ricardo Henriques.

4. **Academic Profile and Admission Requirements:** The candidate must have a track record of research using Artificial Intelligence, in tandem to a PhD in Physics, Engineering, Computer Science, or a related field, awarded less than three years ago at time of contract (essential). The candidate should have a strong background in optics, image processing, and machine learning. Experience in super-resolution microscopy and/or stem cell biology is desirable. A track record of publishing in peer-reviewed journals of high-quality standards is required. The candidate should have excellent communication skills in English, both written and oral. The candidate should be highly motivated, creative, and able to work independently and as part of a team. The candidate should be able to work in a highly collaborative environment and be willing to travel to other consortium partners.

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.

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:** 2.300,00€/month according to the table of monthly maintenance allowance amounts set out in Annex I of [IGC Research Fellowship Regulation](#). The payment will be made by bank transfer. The selected candidate may be reimbursed the amount corresponding to the contribution to Voluntary Social Security.

8. **How to submit applications:** Interested candidates should send their applications to igcpositions@igc.gulbenkian.pt with subject “**Applicant Name_BI-PD_ EIC_PATHFINDEROPEN**”, with a single PDF file named “**Applicant Name_BI-PD_ EIC_PATHFINDEROPEN.pdf**” containing:

- a. Motivation Letter (1 page max);
- b. Curriculum Vitae;
- c. Doctoral certificate and Summary of research achievements (1 page);
- d. Contacts of 3 references (name, email and phone number);
- e. Other documents relevant for the evaluation of the application.

9. **Methods of Selection and Evaluation:** Applications will be evaluated according to Curriculum and previous experience (60%), motivation letter (20%). References nominated by the candidates shall be consulted, if necessary (10%). In case of a tie, the candidates in this situation will be interviewed (10%) focusing on the research outcomes of the candidate. The decision is made by nominal vote of the selection panel members, in accordance with eligibility and selection criteria, with no abstentions allowed. The final results will be presented on a scale from 0 to 100.

10. **Jury Selection:** Chair: Dr. Ricardo Henriques., Vowels: Dr. Estibaliz Gomez de Mariscal s and Dr. Hannah Heil. Substitute: Dr. Bruno Saraiva.

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

12. **Application Period:** From 15/08/2023 until 15/09/2023.

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 exemptof 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.

