

**Open Call for a Research Fellowship of Post- Doctoral
in the Project EMBO Installation Grant 4734:
Unveiling live-cell viral replication at the nanoscale**

The Instituto Gulbenkian de Ciência is welcoming applications to a Post-Doctoral Research Fellowship within the project **EMBO Installation Grant 4734**, with the title “**Unveiling live-cell viral replication at the nanoscale**”, financed by EMBO with the following conditions:

1. Duration: The fellowship will have the duration of 26 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 October 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 post-doctorate researcher will work closely with experimental researchers in the laboratory of Prof. Ricardo Henriques to conceive the ideal design of studies exploiting the development of artificial intelligence applied to super-resolution microscopy. The project involves establishing novel machine learning concepts for the control in of imaging protocols in real-time. The project aims to establish new technology developed at the laboratory to understand fundamental processes behind viral infection.

3. Research Groups: Optical Cell Biology – led by Prof. Ricardo Henriques

4. Academic Profile and Selection Criteria: Doctoral degree (PhD) in Mathematical, Computational, Physical Sciences, or related scientific area. The candidate should have extensive experience in the analysis of biological and cellular images through the development of Deep-Learning and other image analysis tools such as ImageJ/Fiji. It is essential that the candidate is familiar with the field of machine learning and cell biology.

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.

This type of fellowship is destined to candidates with doctoral degree no more than three years and the post-doctoral research cannot be performed in the same entity to obtain the doctoral degree.

6. Subsidy Month Stipend: According to the regulations of the IGC Scientific Fellowships (€1900/month + Social Security), 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 “OCB_Application_EMBO_Fellowship.pdf” to the Email address: rjhenriques@igc.gulbenkian.pt

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

9. Jury Selection: Chairman: Prof. Ricardo Henriques, PhD. Other members: Hannah Heil, PhD, and Mario Del Rosario, PhD.

10. Form of Advertising / Notification of results: The assessment results will be sent to all candidates by email.

11. Application Period: From 10/06/2021 until 25/06/2021.