

CALL FOR A RESEARCH FELLOWSHIP
Fellowship Reference IMM/BII/26-2024

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for one research fellowship under the project *“Bottom-up reconstruction of a Synthetic Erythrocyte (SynEry – HORIZON-EIC-2021-PATHFINDEROPEN-01, 101046894)”*, with the funding support from the European Commission.

Scientific Area: Biophysics.

Fellowship recipients / Admission requirements: Any National, foreign or stateless candidate(s) that fulfill the necessary conditions to be enrolled in a MSc study cycle in an area related to the work plan can apply.

Applicants must hold the following requirements:

- BSc degree holder in Biochemistry, Biology, Biophysics or related areas;
- Experience in laboratory context of at least one year at full-time;
- Experience in biophysical approaches, including zeta potential measurements and fluorescence microscopy;
- Experience in preparing membrane model systems, including LUVs and GUVs;
- Experience in hemorheology analyses and hemocompatibility tests.

The international experience of the candidates, although not a determining criterion for selection, will be valued.

Work Plan and Objectives:

- Biophysical characterization of erythrocytes and GUVs, assessing the overall membrane biophysical properties of biconcave GUVs and the biomechanical properties of the synthetic erythrocytes;
- Studying the behavior of the synthetic erythrocytes under flow conditions;
- Assess the interaction of synthetic erythrocytes with (natural) erythrocytes.

Legislation and Applicable Regulation: Estatuto do Bolseiro de Investigação (Lei n.º 40/2004, de 18 de Agosto, republished in attachment to Decreto-Lei n.º 202/2012, de 27 de Agosto, changed by **Decreto-Lei n.º 123/2019, 28 de Agosto**), current Regulation of Fellowships of iMM and iMM Career By-Law and Assessment regulations.

Predicted start date, duration and renewal conditions: The fellowship contract is predicted to start at September 2024, for a period of 6 months on an exclusive basis, eventually renewable until the maximum stipulated in applicable regulations, not exceeding the eligibility period of the project (predicted to finish at March 30, 2026).

Work place and Scientific orientation: The research activities will be developed at the Biomembranes and Nanomedicine Lab of iMM, under the supervision of Nuno Santos.

Non-discrimination and equal access policy: iMM undertakes to ensure compliance with the principles of non-discrimination and equality and to that extent, provides that no candidate can be privileged, benefited, harmed or deprived of any right or exempted from any duty due in particular ancestry, age, gender, sexual orientation, marital status, family status, economic status, education, social origin or condition, genetic

heritage, reduced working capacity, disability, chronic disease, nationality, ethnic origin or race, place of origin, language, religion, political or ideological convictions and trade union membership.

International environment and experience: Diversity is a fundamental aspect of the essence of IMM, where researchers and non-researchers of different nationalities, backgrounds and areas of study work together, promoting the exchange of experiences and interactions, contributing to the personal and professional development of each person and to the existence of an international, inclusive and stimulating environment.

Research Fellows Support Centre: The Research Fellows Support Centre works on Tuesdays and Thursdays from 9:00AM to 6:00PM, at the Human Resources Office.

Fellowship financial conditions: The fellow will benefit from a monthly stipend in the amount of €1064. The amount will be paid by wire transfer at the end of each month. The fellow will also benefit from a personal accident insurance to execute the proposed research activities, as well as the right to Social Security through Voluntary Social Insurance regimen, if wanted, under the terms of Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social, and the contributions costs will be supported by the research project.

Application documents: - Motivation Letter; - Detailed CV; - BSc certificate. ***The non-compliance with these requirements determines the immediate rejection of the application.*** In case the applicant does not have yet the required degree certificate, a declaration of honor stating the conclusion of the necessary qualifications for the purposes of this process will be accepted and must be sent by the end date of the call.

Jury evaluation and selection: Prof. Nuno Correia Santos (FMUL/iMM), Prof. Filomena Carvalho (FMUL/iMM) and Dr. Joana Ricardo (iMM).

Selection methods: Curricular evaluation (80%) and Motivation Letter (20%). Based on the Curriculum, it will be analyzed qualitatively, and in what concerns to its content and relevance for the tasks to be performed, namely: research experience and relevant knowledge in the area of the proposed work plan, as described in the candidate profile (80%). The letter of motivation will be used to evaluate the motivation and interest for the activities to be performed (15%), and written communication in English language (5%). In the event of a tie, the decision will be the responsibility of the chairperson of the jury.

Deadlines and application process: The call will be open **from August 8 until August 22, 2024**. Applications should be submitted through the email imm-hr@medicina.ulisboa.pt. ***The non-compliance with these requirements determines the immediate rejection of the application.***

Notification of results: Within 90 days after the termination of the applications submission deadline, both admitted and excluded candidates list and final classification list shall be communicated to all admitted candidates through email.

Preliminary Hearing and Final Decision Deadline: After notification, all candidates have 10 working days to respond. Panel's final decisions are pronounced within a period of 90 days, from application deadline.

Fellowship contracting: The Fellowship is granted through the signature of a [contract](#) between iMM and the selected fellow and after the fellow send the following mandatory documents: copy of identification document (in case of non-European citizens, it is mandatory the work visa / valid resident permit), document proving the required academic degree and the document proving the enrollment in a MSc study cycle. For each Fellowship period an [Activity Report](#) must be prepared by the fellow, as well as the [Report](#) by the supervisor.

Please note that the job opportunity announced here is under the entity of Instituto de Medicina Molecular João Lobo Antunes and will result in a contractual relationship with the new entity, Fundação GIMM - Gulbenkian Institute for Molecular Medicine.

For more information about GIMM and the merger between IGC and iMM, please visit: <https://gimm.pt/>. If you have any questions, please contact us at people@gimm.pt.

Lisbon, August 7, 2024

The Executive Director of iMM
Professor Maria Manuel Dias da Mota

