

CALL FOR A RESEARCH FELLOWSHIP
Fellowship Reference IMM/BII/10-2022

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for one research fellowship to a PhD student with the funding support from LeDucq Foundation under the project **“Attract – ATTRACT: Arterial flow as attractor for endothelial cell migration”**.

Scientific Area(a) Vascular Biology

Fellowship recipients / Admission requirements (indicate mandatory and preferential requirements): Any National, foreign and stateless candidate(s) that fulfill the necessary conditions to be enrolled in a PhD degree course (in area related to the work plan) can apply.

Applicants must hold the following requirements:

- MSc degree holder in Biochemistry, Biomedicine or Biology
- Experience in confocal and widefield microscopies
- Animal license - FELASA B
- Experience in work with rodents (adults and neonatal)
- Experience in vascular biology, in particular in pericytes.
- Experience in the oxygen induced retinopathy (OIR) mouse model
- Experience in tissue cell culture and *in vitro* assays
- Experience in perform primary endothelial cell and mural cell isolation from mouse
- Experience in biochemistry and molecular biology analyses and assays

Work Plan and Objectives:

The selected candidate is going to study the importance of the non-muscle myosin II (NM II) in pericytes, in a pathological and physiological context. The main tasks are: 1) study the role of myosin (NMIIA e NMIIIB) during angiogenesis – using the mouse retina as an angiogenesis model; 2) study the molecular mechanism; 3) study the myosin’s role in a pathological context (OIR).

Law and Regulation: Law and 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 in May 2022, for a period of 6 (six) months on an exclusive basis, eventually renewable until the maximum stipulated in applicable regulations, not exceeding the eligibility period of the project.

Work place and Scientific orientation: The research activities will be developed at Vascular Morphogenesis Lab of iMM, under the supervision of Prof. Cláudio Franco.

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.

Research Fellows Support Centre: The monitoring centre works on Tuesdays and Thursdays from 9:00AM to 6:30PM at Human Resources Office.

Fellowship financial conditions: The fellow will benefit from a monthly stipend in the amount of **1144,64€** in accordance with the applicable regulation. 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; - MSc certificate (please check the “NOTE” in *Fellowship recipients*); - Contacts of 1 reference; - Candidate’s declaration of honor indicating previous fellowships, if any, its typology and duration. ***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: Cláudio Franco (PhD), André Gonçalves (PhD) and Ana Figueiredo (PhD), all affiliated to Instituto de Medicina Molecular

Selection methods: CV evaluation (60%) and Interview (40%). ***(In case of interview, must be indicated the criteria to be apply to determinate who will be selected for an interview and its valuation).***

Deadlines and application process: The call will be open from **23 March until 5 April 2022.**

Applications should be submitted through iMM website, by clicking in the “Apply” button below the position job ad. ***The non-compliance with these requirements determines the immediate rejection of the application.***

Notification of results: The evaluation results will be announced within 90 days after the termination of the applications submission deadline, by writing and publishing a jury meeting minute at iMM website at <https://imm.medicina.ulisboa.pt/jobs/#results> with all process of recruitment, evaluation and selection including a list of all excluded and admitted candidates and for these last ones, their classification. All admitted candidates will be notified by 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 is mandatory the work visa / valid resident permit), document proving the required academic degree and the document proving the enrollment in a PhD study cycle. For each Fellowship period an [Activity Report](#) must be prepared by the fellow as well as the [Report](#) by the supervisor.

Lisbon, 22 March 2022

The Executive Director of iMM
Professor Maria Manuel Dias da Mota

Logo of the funder (when applicable)