

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES
AGING AND TISSUE REPAIR LAB
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CALL FOR ONE RESEARCH FELLOWSHIP (BI)
Reference of Fellowship IMM/BI/7-2021

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for a Research Fellowship for a PhD student with the funding support from Fundação para a Ciência e a Tecnologia I.P. (FCT) through National Funds under the project *PTDC/MED-OUT/8010/2020 - "Rejuvenating Strategies for Stem Cell-Based Therapies in the Aged Skeletal Muscle"*.

Work Plan and Goals: The selected candidate will work in the Neves and Sousa-Victor labs at the iMM. Research in the lab is focused in understanding the effects of aging in tissue repair capacity. We study stem cell intrinsic alterations that occur during the aging process and immune modulatory strategies to optimize tissue repair capacity in older organisms. We are seeking a highly motivated and committed PhD student, interested in the biology of ageing and tissue repair, to work in a project that aims to understand the roadblocks imposed by ageing to effective tissue repair in the skeletal muscle and applying this knowledge to develop rejuvenating interventions based on the use of stem cells. The project will involve analysis of animal models, optimization of stem cell delivery in old animals as well as tackling mechanistic aspects of the process of tissue repair in ageing. Given the multidisciplinary nature of our lab, the candidate will have the opportunity to use multiple model systems and will also acquire proficiency in most molecular biology and biochemistry techniques applied in a wet lab setting. The project will strongly rely on in vivo manipulation of mouse models. Microscopy and flow cytometry will be frequently used during the course of the project. We encourage and support external collaborations with international partners.

Scientific Area: Aging, regeneration, stem cell biology, tissue repair and immune modulation.

Candidate's Profile

- Master Degree holder in Cellular and Molecular Biology, Immunology, Stem Cell Biology or related field that comply with the requirements to enroll for PhD studies and wish to carry out research towards this degree.
- Experience with wet lab and general molecular biology techniques.
- Preference would be given to candidates with experience with in vivo mouse work and/or mammalian cell culture.
- Ability to keep accurate data records.
- Ability to work in collaborative environments, including interactions with international external collaborators.
- Good organization skills.

Duration of Fellowships: 12 (twelve) months on an exclusive basis, eventually renewable until a maximum of 36 (thirty-six) months, not exceeding the eligibility period of the project (predicted to end on 31st December 2023).

Important Note: For purposes of contracting, the selected candidate must provide with the document proving the acceptance and registration in the PhD study cycle in the higher education institution that will grant the academic degree.

Law and Regulation: Estatuto do Bolseiro de Investigação approved by Law nr 40/2004, from 18th August in its current form (altered by Decree Law nr 123/2019, 28th August) and current Regulation of Fellowships of Fundação para a Ciência e a Tecnologia <https://www.fct.pt/apoios/bolsas/regulamento.phtml> (approved by Regulation nr 950/2019, from 16th December).

The 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.

Predicted Start Date: May 2021

Workplace and Scientific Orientation: The work will be developed at iMM's Aging and Tissue repair Laboratory under the supervision of Dr. Pedro Sousa-Victor and Dr. Joana Neves.

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

Monthly Remuneration: 1.104,64€, according to FCT Regulation Fellowship <https://www.fct.pt/apoios/bolsas/valores.phtml>. The amount will be paid through bank transfer at the end of each month.

Necessary Documents for Applications: - Motivation letter; - Detailed CV; - MSc Degree certificate; - Contact of two references. **The non-compliance with these requirements determines the immediate rejection of the application.**

Evaluation: Applications will be evaluated by a jury composed by Doctors Pedro Sousa-Victor, Joana Neves and Leonor Saúde.

Selection Method: Curricular evaluation (50%) and Interview (50%).

Deadlines and Submission of Applications: The call will be open for 10 working days, starting on **25th of March and ending on 8th of April 2021**. Applications should be sent to iMM Human Resources through the email imm-hr@medicina.ulisboa.pt, indicating the reference of fellowship (mandatory). **The non-compliance with these requirements determines the immediate rejection of the application.**

Communication of Results: The results will be published in iMM website at <https://imm.medicina.ulisboa.pt/jobs/#results>.

Lisbon, 10th March 2021
The Executive Director of iMM
Maria Manuel Dias da Mota, PhD