The Instituto de Medicina Molecular (iMM João Lobo Antunes) opens a call for a Postdoctoral Research Fellowship funded by the European Research Council, under the project “AXIAL-EC—PRINCIPLES OF AXIAL POLARITY-DRIVEN VASCULAR PATTERNING” (ERC-2015-STG - GA679368), coordinated by Claudio Franco.

Work Plan and Goals: The formation of a functional patterned vascular network is essential for development, tissue growth and organ physiology. Our group is interested in understanding the mechanisms underpinning vascular morphogenesis. The ability of endothelial cells to mechanosense blood flow intensity and direction is necessary for vascular patterning. Our project will make use endothelial cell cultures, mice and zebrafish as model systems to elucidate the fundamental mechanosensing mechanisms regulating endothelial cell polarity and cell migration in response to blood flow during vascular morphogenesis. The project will specifically focus on the contribution of planar cell polarity, polarized vesicular trafficking and junctional mechanotransduction signaling pathways for collective cell migration during vascular morphogenesis.

Scientific Area: Cell and Molecular Biology; Vascular Biology; Vascular Disease; Developmental Biology

Candidate’s Profile
- Highly motivated PhD holder in the field of Biological, Biochemistry, Physical Sciences or related
- Scientific curiosity
- Experience in immunofluorescence and confocal microscopy
- Experience in molecular biology and cloning.
- Excellent knowledge of English, spoken and written
- Good Communication skills

Duration of Fellowship: 12 months, renewable up to 36 months, on an exclusive basis, not exceeding the eligible period of the project.

Law and Regulation: Research Fellowship Statute (Law nr 40/2004, from August 18th, republished in attach to Decree-Law nr 202/2012, from August 27th), iMM Regulation Fellowship and iMM João Lobo Antunes Career By-Law.

The iMM Lisboa 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 to 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: March 2018 or later

WorkPlace and Scientific Orientation: The work will be developed at CFRANCO Lab of iMM Lisboa under the supervision of Claudio Franco, PhD. (https://imm.medicina.ulisboa.pt/en/investigacao/labs/franco)

Fellow Monitoring Centre: The monitoring centre works on Tuesday (09:00AM to 01:00PM / 02:00PM to 06:00PM) and Thursday (02:00PM to 06:00PM), at Human Resources of iMM João Lobo Antunes.

Monthly Remuneration: The net monthly remuneration is between € 1495 and € 2060, according to candidate’s previous experience and applicable regulation. The amount will be paid through bank transfer at the end of each month.

Obligatory Documents for Applications: Motivation letter; - Detailed CV; - Letter and Contact information of two references; - PhD certificate. The non-compliance with these requirements determines the immediate rejection of the application.

Evaluation: Applications will be evaluated by a jury composed by Sergio Almeida, Vanessa Morais and Cláudio Franco (all PhD’s).

Selection Method: All applications will be evaluated in accordance with the following valuation: - Curriculum Vitae (25%); - Motivation letter (10%); - information from the referee(s) (15%). After evaluation of all applications up to 10 candidates will be selected to interview (50%).

Deadlines and Submission of Applications: The call will be open from 3rd February until 28th February, 2018.

Applications should be sent to iMM João Lobo Antunes 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 at https://imm.medicina.ulisboa.pt/en/job-opportunities/results/ and posted at the entrance lobby of the Institute.

Lisbon, 19th January, 2018

The Executive Director of iMM João Lobo Antunes

Professor Maria Manuel Dias da Mota, PhD