CALL FOR A POSTDOCTORAL RESEARCHER UNDER AN UNFIXED-TERM CONTRACT
Ref. IMM/CT/1-2018

The Instituto de Medicina Molecular (iMM João Lobo Antunes), a private non-profit research institute opens a call for a Postdoctoral Researcher position funded by the Fondation LEDUCQ - Transatlantic Networks of Excellence, under the research grant 17CVD03, titled "ATTRACT: Arterial flow as attractor for endothelial cell migration", coordinated by Cláudio Franco, within a consortium with Holger Gerhardt (Max-Delbrueck Center for Molecular Medicine, Berlin), Lena Claesson-Welsh (Uppsala Univ.), Paul Oh (Florida Univ.), Douglas Marchuk (Duke Univ.), Anne Eichmann (Yale Univ.) and Miguel Bernabeu (Edinburgh Univ).

Work Plan Activities: 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 of 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 role of small RhoGTPases and actin regulators as key signal transducers downstream of endothelial cell response to blood flow. The project will combine cutting-edge cell biology and microscopy techniques with computational modelling and will rely on extended interactions and collaborations with the partners of the above mentioned international excellence consortium.

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

Contract Start Date and Duration: The unfixed-term contract is predicted to start in March 2018 or later, according to selected candidate availability, and for a maximum period of 48 (forty-eight) months.

Salary and Legislation: Annual gross salary (includes base salary and holidays and Christmas allowances) in the amount of €26,000.00 plus meal allowance in the amount of 1.044€ (correspondent to eleven months) in accordance to iMM’s Career By-Law and the project budget. The annual gross salary will be subject to all mandatory taxes and social security contributions according to the Portuguese Labor 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 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.

Application and Selection process: The call for applications will be opened from 01 February until 15 March, 2018. Applicants have to submit a Motivation Letter, Detailed CV, PhD certificate, and 2 Recommendation Letters or 2 contacts of references to imm-hr@medicina.ulisboa.pt, mentioning the reference IMM/CT/1-2018, in the subject.

Communication of Results: The results will be published at https://imm.medicina.ulisboa.pt/en/job-opportunities/results/, posted at the entrance lobby of the Institute and all candidates will be notified about the result through electronic mail.

Lisbon, 26th January 2018