CALL FOR A RESEARCH FELLOWSHIP
Reference of Fellowship IMM/18/16-2018

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INSTITUTO DE MEDICINA MOLECULAR João Lobo Antunes (iMM) opens a call for a Research Fellowship funded by the European Research Council under the research project “IL-7/IL-7R signaling networks in health and malignancy” (ERC - IL7SIGNETURE - H2020; GA 648455)

Work Plan and Goals: Roughly 10% of T-cell acute lymphoblastic leukemia (T-ALL) pediatric patients display somatic mutations in the gene that encodes the interleukin 7 receptor (IL7R), leading to constitutive signaling. The successful candidate will be involved in the analysis of next generation sequencing datasets (RNA-seq and WES) from T-ALL patient samples stimulated with IL-7 and from a mouse model of IL-7R-mediated leukemia in order to: 1) identify new genes and functional pathways associated with IL-7/IL-7R signaling in leukemia and beyond; and 2) characterize the mutational and transcriptional profile of IL7R-related mouse leukemias - and establish their similarities with human leukemia cases.

Scientific Area: Health Sciences - Oncobiology

Candidate’s Profile
- MSc in Biological sciences or related area
- Experience in Bioinformatics/Computational Biology
- Good general understanding of molecular cell biology and cell signaling;
- Experience in RNA-seq and Exome-seq analyses
- Experience in pathway-, network- and gene ontology analyses;
- Programming experience in one or more of the common used languages, such as Python, Perl, and R/Bioconductor is desirable.

Duration: twelve (12) months eventually renewable not exceeding the eligibility 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 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 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: The position is expected to begin on March 2018.

Workplace and Scientific Orientation: The work will be developed in Dr. João Barata’s Lab at iMM Lisboa and under his supervision. The work will be conducted in direct collaboration with the experimental biologists in the lab and in close contact with the computational and systems biology lab of Dr. Nuno Barbosa-Morais at iMM Lisboa.

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 980€ (tax free). The amount will be paid through bank transfer. In addition, social security will be fully covered.

Necessary Documents for Applications
1) your CV, including list of publications;
2) a motivation letter with a short description of your previous research experience with relevance to the project, your main scientific achievements, and why you believe we should hire you;
(all documents must be in PDF format and sent by email to imm-hr@medicina.ulisboa.pt, as detailed below). The non-compliance with these requirements determines the immediate rejection of the application.

Selection Method: Motivation letter (30%) and CV evaluation (70%), based on the general adequacy of the track record of the candidate to the project. If necessary, an interview will take place with top candidates, in which case evaluation will be as follows: motivation letter (20%), CV evaluation (60%), interview (20%).

Evaluation: Applications will be evaluated by a jury composed of Profs. João Taborda Barata, Ana Espada Sousa and Sérgio Almeida.

Deadlines and Presentation of Applications: The call will be open for 10 working days, starting on 26th February and ending on 9th March, 2018.

Applications must be addressed to imm-hr@medicina.ulisboa.pt, with all documents detailed above in PDF format, indicating the reference of Fellowship. The non-compliance with these requirements determines the immediate rejection of the application.

Notification 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, 9th February, 2018

The Executive Director of iMM

Professor Maria Manuel Dias da Mota