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CALL FOR A POSTDOCTORAL RESEARCH FELLOWSHIP
Reference of Fellowship IMM/BPD/98-2018

The Instituto de Medicina Molecular João Lobo Antunes (iMM Lisboa) opens a call for a Postdoctoral 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 9% 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 and leukemia development. The successful candidate will be involved in the analysis of next generation sequencing datasets (RNA-seq and WES) from cell lines and T-ALL patient samples stimulated with IL-7 and from a mouse model of IL-7R-mediated leukemia in order to, for instance: 1) identify new genes, functional pathways and downstream mechanisms associated with IL-7/IL-7R signaling in leukemia and beyond; 2) characterize the mutational and transcriptional profiles of IL7R-related mouse leukemias and determine tumor clonality and repertoire; 3) integrate different levels of analysis (for instance transcriptomics and (phospho)proteomics) in order to reconstruct the IL-7/IL-7R-mediated signaling landscape.

Scientifc Area: Health Sciences - Oncobiology

Candidate's Profile
- PhD in Biological sciences or related area, preferably with a computational biology component
- Clear 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.
- Creativity, independence and team player capacity.

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 2019.

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 1495€ (tax free), according to the applicable regulation. However, also according to the same applicable regulation and depending on the candidate's experience and merit a higher salary can be negotiated. 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; 3) two recommendation letters;
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 by João Taborda Barata, Nuno Barbosa Morais and Sérgio Almeida (all PhD's).

Deadlines and Presentation of Applications: The call will be open for 10 working days, **starting on 10th December and ending on 21st December 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, 23rd November 2018

The Executive Director of iMM

Professor Maria Manuel Dias da Mota