CALL FOR A POSTDOCTORAL RESEARCHER HIRING UNDER ARTCLE 19 FROM DECREE-LAW NR 57/2016, OF 29th AUGUST, ALTERED BY LAW NR 57/2017, OF 19th JULY

Reference IMM/CT/1-2020

The Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call to hire a Postdoctoral Researcher correspondent to the initial level according to the Applicable Regulation, under an **Unfixed-term Contract**, under ***Sistema de Apoio à Investigação Científica e Tecnológica (SAICT) – Call nr 02/SAICT/2017 - Projeto de Investigação Científica e Desenvolvimento Tecnológico (IC&DT),*** funded by National Funds (FCT-MEC) under the research project ***PTDC/MED-ONC/32222/2017*** – ***"Using genomics to identify novel targeted therapies in brain metastases"*** (NEUROMETS).

Regulation

- Decree-Law nr 57/2016, from 29th August, altered by Law nr 57/2017, from 19th July, that approves a Doctoral Hiring regime to stimulate Scientific and Technological Employment In all knowledge areas (RJEC).
- Portuguese Labor Law, approved by Law nr 7/2009, from 12th February in its current writing.
- Regulatory Decree Nr 11-A / 2017, of 29th December.

1. **Work Plan Activities:** A significant percentage of cancer patients develop brain metastases during disease progression. Despite the standard of care treatment, metastatic brain disease is still incurable and invariably fatal. The main objective of this project is to study the molecular mechanisms underlying metastization of solid tumors (e.g. breast, lung or prostate) to the brain. In the 'opposite direction', we will also study the development and response to treatment of tumors of brain origin, namely glioma. Using different *in vitro* and *in vivo* models (including elegant conditional IL7R knock-in mice), we will be particularly interested in studying the possible contribution of IL7/IL7R signaling to these processes, from primary tumor development to tumor progression and metastasis. The better understanding of this signaling axis, which has been robustly shown to contribute to the development of specific hematological cancers but whose role in solid tumor development and metastization has not been sufficiently explored, should lead to important new biological insights and drive the development of novel targeted cancer therapies.
   The candidate will participate in the following tasks:
   - Cell culture of immortalized cancer cell lines and primary cancer cells;
   - Molecular biology techniques (DNA and RNA extraction, PCRs, qPCR, RT-PCR, cloning, Western blot);
   - Flow cytometry analysis;
   - Experimental work with animal models;
   - Bioluminescence imaging.

2. **Members of the Jury:** According to article nr 13 from RJEC, the jury is composed by Professors Claudia Faria (President of the Jury), Professor João T. Barata and Rita Cascão (all PhD's).

3. **Start Date and workplace**: The contract is expected to start in March or April 2020 and will remain only for the necessary execution period of the work plan; the activities will be developed in iMM installations and/or other necessary locations to their execution.

4. **Monthly remuneration**: Gross monthly Remuneration is **2.128,34€**, in accordance with subsection a), section 1, article 15 from Law nr 57/2017, 19th July, and with the remuneration position at initial level predicted in article 2 of Regulatory Decree nr 11-A/2017, of 29th December, correspondent to level 33 at Tabela Remuneratória Única, approved by Order nr 1553-C/2008, 31st December.

5. **Profile of Candidate:** Any National, foreign and stateless candidate(s) that hold the following requirements can apply:
   - Doctoral Degree in Biomedical sciences;
   - Knowhow in the oncobiology field;
   - Experience with the development and maintenance of cell culture of immortalized and primary cells;
   - Experience in molecular biology and flow cytometry analysis;
   - Personal license and vast experience working with laboratory animals;
   - Basic concepts of microscopy;
   - Pro-active personality and team spirit;

- High sense of responsibility, organization and method;
- Excellent knowledge of English, spoken and written.

IMPORTANT NOTE*: : In the event the PhD degree was awarded by a foreigner higher institution, the degree must comply with the provisions of* ***Decree-Law nr 66/2018, 18th August****, and all formalities established there must be fulfilled by applications deadline.*

6. **Application process**: The call is open from **10th January until 20th February 2020** (30 working days), and the application documents (indicated below) should be sent, in PDF format, to Human Resources Office through the email imm-hr@medicina.ulisboa.pt, indicating the Reference of the position (mandatory):
    a) Motivation Letter in English;
    b) Detailed CV;
    c) PhD Certificate (Please check the ***"IMPORTANT NOTE"*** indicated in the Profile of the candidate);
    d) Contact of one referee
    e) Other documents that applicant may consider to be relevant to prove the scientific course.

    Note: The non-compliance with these requirements determines the immediate rejection of application.

6.1. False statements provided by the candidates shall be punished by law.

6.2. *iMM promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.*

6.3. Pursuant to Decree-Law nr 29/2001 of 3rd February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication / expression means to be used during selection period on their application form, under the regulations above.

7. **Evaluation criteria:** The admitted applications will be evaluated taking into account the quality, timeliness and relevance of the scientific path (scientific production and research experience) and curriculum of each candidate (a) and their adequacy to the proposed work plan.
    First phase: Curriculum Analysis (60%) and Motivation Letter (30%) - Based on the Curriculum, it will be analyzed qualitatively, and in what concerns to its content and relevance for the tasks to be performed, namely: executed and/or published scientific work, with special emphasis on areas related to the work plan (20%); research experience and relevant knowledge in the area of the proposed work plan as described in the candidate profile (40%). Based on the letter of motivation will be evaluated the motivation and interest for the activities to be performed (15%), and command of the English language (15%).
    Second stage: The jury will select for the interview (evaluation: 10%) the 5 candidates who obtained in the first phase the highest ranking, with a minimum of 40%, or the number of candidates, up to 5, who obtained in the first phase a minimum rating of 40%.

7.1. After evaluation of all admitted applications, the jury will write a meeting minute with all process of recruitment, evaluation and selection including an ordered short list of approved candidates and their respective classification.

7.2. The final decision of the jury shall be validated by the Head of the Institution, who is also in charge of deciding about the hiring.

8. **Results**: Both admitted and excluded candidates list and final classification list shall be posted at Av. Prof. Egas Moniz, Ed. Egas Moniz, 1649-028 Lisboa, at iMM website https://imm.medicina.ulisboa.pt/jobs/#results and all candidates will be notified by email.

9. **Preliminary Hearing and Final Decision Deadline**: Pursuant to article 121 of the Administrative Procedure Code, after notified, all candidates have 10 working days to respond. Panel's final decisions are pronounced within a period of 90 days, from application deadline.

Lisbon, 9th January 2020