

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES
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CALL FOR AN INITIATION RESEARCH FELLOWSHIP (BII)
Reference of Fellowship IMM/BII/22-2020

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for an Initiation Research Fellowship for a PhD student with the funding support from the *European Molecular Biology Organization* under the project "*Installation Grant*".

Work Plan and Goals

- Development of R pipelines of bioinformatics analysis of differential splicing on transcriptomic data generated by next-generation sequencing platforms.
- Creation of Bioconductor packages and interactive dashboards for the aforementioned pipelines.
- Bioinformatics analysis of transcriptomic data from human cell lines for the understanding of the molecular aetiology and the definition of novel molecular signatures (namely at the alternative splicing level) associated with different types of induced and replicative cell senescence.
- Writing of manuscripts reporting the results of the studies to which this call is linked.

Scientific Area: Computational Biology

Candidate's Profile

- Master degree holder in Bioinformatics or Biomedical Engineering fields, enrolled in a PhD study cycle.
- Advanced knowledge in programming in R.
- Experience in bioinformatics analyses of next-generation sequencing transcriptomic data.
- Intermediate knowledge in Statistics and Linear Algebra.
- Intermediate knowledge in Cell and Molecular Biology.
- Fluency in written and spoken English.

Duration of Fellowships: 6 (six) months on an exclusive basis, eventually renewable not exceeding the eligibility period of the project (predicted to end on 31st December 2021).

Law and Regulation: Estatuto do Bolseiro de Investigação approved by Law nr 40/2004, from 18th August in its current form (altered by Decree Law nr 123/2019, 28th August) and current IMM Regulation of Fellowships and Career By-Law and Performance Assessment Regulations.

The iMM 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: March 2021

Workplace and Scientific Orientation: The work will be developed at the NMORAI'S LAB (Disease Transcriptomics), of iMM, under the supervision of Nuno Morais PhD.

Fellow Monitoring Centre: The monitoring centre works on Tuesdays and Thursdays from 9:00AM to 6:30PM at Human Resources Office.

Monthly Remuneration: 1074,64€, according to Regulation Fellowships of iMM and other applicable regulations. The amount will be paid through bank transfer at the end of each month.

Necessary Documents for Applications: - Motivation letter in English; - Detailed CV; - MSc Degree certificate; - Contact of two references; - Document proving the enrollment in the PhD study cycle. ***The non-compliance with these requirements determines the immediate rejection of the application.***

Evaluation: Applications will be evaluated by a jury composed by Doctors Nuno Morais, Leonor Saúde and Miguel Casanova Parente.

Selection Method: Curricular evaluation (50%) and Interview (50%).

Deadlines and Submission of Applications: The call will be open for 10 working days, **starting on 4th January 2021 and ending on 15th January 2021.** Applications should be sent to iMM 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/jobs/#results>.

Lisbon, 16th December 2020

The Executive Director of iMM
Maria Manuel Dias da Mota, PhD