

CALL FOR A RESEARCH FELLOWSHIP
Fellowship Reference IMM/BII/20-2022

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for one research fellowship with the funding support from L IMM Therapeutics S.A., under the project, “*L IMM - Protocolo NMORAIS LAB*”.

Scientific Area: Computational Biology

Fellowship recipients / Admission requirements (*indicate mandatory and preferential requirements*): Any National, foreign and stateless candidate(s) that fulfill the necessary conditions to be enrolled in a PhD degree course (in an area related to the work plan) can apply.

Applicants must hold the following requirements:

- Master degree holder in Bioinformatics or Biomedical Engineering fields.
- 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.

Work Plan and Objectives:

- 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.

Law and Regulation: Estatuto do Bolseiro de Investigação (Lei n.º 40/2004, de 18 de Agosto, republished in attachment to Decreto-Lei n.º 202/2012, de 27 de Agosto, changed by **Decreto-Lei n.º 123/2019, 28 de Agosto**), current Regulation of Fellowships of iMM and iMM Career By-Law and Assessment regulations.

Predicted start date, duration and renewal conditions: The fellowship contract is predicted to start in September 2022, for a period of 6 (six) months on an exclusive basis, eventually renewable until the maximum stipulated in applicable regulations, not exceeding the eligibility period of the project.

Work place and Scientific orientation: The research activities will be developed at the NMorais Lab (Disease Transcriptomics) of iMM, under the supervision of Nuno Morais, PhD.

Non-discrimination and equal access policy: 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.

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

Fellowship financial conditions: The fellow will benefit from a monthly stipend in the amount of **1144,64€** in accordance with the applicable regulation. The amount will be paid by wire transfer at the end of each month. The fellow will also benefit from a personal accident insurance to execute the proposed research activities as well as the right to Social Security through Voluntary Social Insurance regimen, if wanted, under the terms of Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social, and the contributions costs will be supported by the research project.

Application documents: - Motivation Letter in English; - Detailed CV; - MSc Degree certificate; - Contacts of two references; ***The non-compliance with these requirements determines the immediate rejection of the application.***

In case the applicant does not have yet the required degree certificate, a declaration of honor stating the conclusion of the necessary qualifications for the purposes of this process will be accepted and must be sent by the end date of the call.

Jury evaluation and selection: Applications will be evaluated by a jury composed by Doctors Nuno Morais, Leonor Saúde and Miguel Casanova Parente, all from IMM.

Selection methods: Curricular evaluation (50%) and Interview (50%). In the curricular evaluation, the jury will consider the following criteria:

- a) Master degree holder in Bioinformatics or Biomedical Engineering fields, enrolled in a PhD study cycle (10%);
- b) Advanced knowledge in programming in R (10%);
- c) Experience in bioinformatics analyses of next-generation sequencing transcriptomic data (10%);
- d) Intermediate knowledge in Statistics and Linear Algebra (10%);
- e) Intermediate knowledge in Cell and Molecular Biology (10%).

Deadlines and application process: The call will be open from **8th July until 21st July 2022**.

Applications should be submitted through IMM website, by clicking in the “Apply” button below the position job ad. ***The non-compliance with these requirements determines the immediate rejection of the application.***

Notification of results: The evaluation results will be announced within 90 days after the termination of the applications submission deadline, by writing and publishing a jury meeting minute at IMM website at <https://imm.medicina.ulisboa.pt/jobs/#results> with all process of recruitment, evaluation and selection including a list of all excluded and admitted candidates and for these last ones, their classification. All admitted candidates will be notified by email.

Preliminary Hearing and Final Decision Deadline: After notification, all candidates have 10 working days to respond. Panel’s final decisions are pronounced within a period of 90 days, from application deadline.

Fellowship contracting: The Fellowship is granted through the signature of a [contract](#) between iMM and the selected fellow and after the fellow send the following mandatory documents: copy of identification document (in case of non-European citizens is mandatory the work visa / valid resident permit), document proving the required academic degree and the document proving the enrollment in a PhD study cycle.
For each Fellowship period an [Activity Report](#) must be prepared by the fellow as well as the [Report](#) by the supervisor.

Lisbon, 7th July 2022

The Executive Director of iMM
Professor Maria Manuel Dias da Mota

