

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES
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CALL FOR RESEARCH FELLOWSHIP (BI)
Reference of Fellowship IMM/BI/20-2020

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for a Research Fellowship for a **Master Student** with the funding support from Programa Operacional Competitividade e Internacionalização (Compete2020), Programa Operacional Regional de Lisboa (Lisboa 2020) and Programa Operacional Regional do Algarve (CRESC Algarve2020), through Portugal 2020 and Fundo Europeu de Desenvolvimento Regional (FEDER), and by Fundação para a Ciência e a Tecnologia (FCT), under the project "*GenomePT: National Laboratory for Genome Sequencing and Analysis*" in the Portuguese Roadmap of Research Infrastructures (PINFRA/22184/2016/POCI-01-0145-FEDER-022184).

Work Plan and Goals

- Development of pipelines of bioinformatics analysis of single-cell transcriptomic data generated by next-generation sequencing platforms and digital cytometry for studies on neurodegenerative diseases.
- Creation of Bioconductor packages and interactive dashboards for the aforementioned pipelines.
- Management and maintenance of bioinformatics tools to be used by the National Infrastructure, as well as of the respective access interface.

Scientific Area: Computational Biology

Candidate's Profile

- Enrolment in a MSc degree or Integrated MSc degree study cycle (MSc student) in Bioinformatics or Biomedical Engineering fields.
- Knowledge in R programming.
- Basic experience in the usage of command-line interface operating systems, namely Unix-based.
- Fluency in written and spoken English.

Duration of Fellowships: **3 (three)** months on an exclusive basis, eventually renewable not exceeding the eligibility period of the project (predicted to end on 30th April 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 Regulation of Fellowships of Fundação para a Ciência e a Tecnologia <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt> (approved by Regulation nr 950/2019, from 16th December).

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: January or February 2021

Workplace and Scientific Orientation: The work will be developed at the NMORAIS 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: **805,98€**, according to FCT Regulation Fellowship <https://www.fct.pt/apoios/bolsas/valores.phtml.pt>. The amount will be paid through bank transfer at the end of each month.

Necessary Documents for Applications: - Motivation letter in English; - Detailed CV; - Contact of two references; - Document proving the enrollment in the MSc 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, Luísa Lopes 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 **30th December 2020 and ending on 13th 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> and posted at the entrance lobby of the Institute.

Lisbon, 14th December 2020
The Executive Director of iMM
Maria Manuel Dias da Mota, PhD