

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES
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CALL FOR RESEARCH FELLOWSHIP (BI)
Reference of Fellowship iMM/BI/10-2020

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for a Research Fellowship 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 genomic data generated by microarray and next-generation sequencing platforms and their Docker containerization.
- Elaboration of a best practice handbook for the creation of Docker images for public sharing of genomics data analysis software.
- Establishment, management and maintenance of a repository of annotated Docker images to be used by the National Infrastructure, as well as of the respective access interface.

Scientific Area: Bioinformatics

Candidate's Profile

- Master degree holder in Bioinformatics, Sciences or Engineering fields, enrolled in a MSc degree or Integrated MSc degree study cycle (MSc student) in a relevant area for the proposed workplan.
- Experience in the usage of command-line interface operating systems, namely Unix-based.
- Knowledge in programming and scripting.
- Experience and bioinformatics analyses of microarray and next-generation sequencing data
- Knowledge in Docker image creation and Docker container management.
- Fluency in written and spoken English.

IMPORTANT NOTE: *In the event the Master 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.*

Duration of Fellowships: 8 (eight) 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 (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: September 2020

Workplace and Scientific Orientation: The work will be developed, under the supervision of the respective Principal Investigator, at one of the following iMM laboratories: Disease Transcriptomics (Nuno Morais), Human Immunodeficiency & Immune Reconstitution (Ana Espada de Sousa), Lymphocyte Regulation (Luís Graça), Molecular Microbiology & Infection (Mário Ramirez).

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

Monthly Remuneration: 798€, 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; - MSc Degree certificate (please see “IMPORTANT NOTE” indicated in the candidate profile); - Contact of two references; - Document proving the enrollment in the MSc degree 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 Ana Espada de Sousa, Luís Graça, Mário Ramirez, and Nuno Morais, and by Ana Marta Bica, MSc.

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

Deadlines and Submission of Applications: The call will be open for 10 working days, starting on 15th July and ending on 28th July 2020. 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, 30th June 2020
The Executive Director of iMM
Professor Maria Manuel Dias da Mota, PhD