

CALL FOR A RESERACH FELLOWSHIP
Fellowship Reference IMM/BI/20-2021

Instituto de Medicina Molecular João Lobo Antunes (iMM) opens a call for one research fellowship under the project *PTDC/CCI-BIO/29676/2017 - "Tools for large scale phylogenetic analysis" (NGHPHYLO)* with the funding support from Fundação para a Ciência e a Tecnologia, I.P. through national funds (PIDDAC).

Scientific Areas: Bioinformatics/Microbiology

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

Applicants must hold the following requirements:

- Bachelor degree in Bioinformatics, Microbiology, Biological Engineering, Biomedical Engineering, Computer Science or related with an emphasis in bioinformatics;
- Knowledge of high-throughput sequencing analysis methods, notably "de novo" assembly and "read" mapping methods;
- Knowledge and proficiency in relevant programming languages, notably R, Python or others;
- Knowledge and ability to work on LINUX operating systems;
- Knowledge of git;
- Experience in microbial bioinformatics analysis;
- Knowledge of phylogenetic analysis methods;
- Ability to work in a multidisciplinary group of researchers;
- Mastery of the English language.

*NOTE: In the event the BSc 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. For further information about the procedure, please check [here](#).*

Work Plan and Objectives:

- The candidate will be integrated into a multidisciplinary team aiming to develop and apply pipelines of phylogenetic analysis to high-throughput sequencing data;
- Active participation in the development of new analysis and visualization methods for phylogenetic and population structure analysis of important human pathogens;
- Evaluation of existing methodologies for phylogenetic inference for the analysis of thousands of strains;
- Participation in the analysis of sets of strains of interest and development of specific tools for the species of interest;
- Collaborating in the creation of user-friendly interfaces for the methods developed.

Legislation and Applicable 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).

Predicted start date, duration and renewal conditions: The fellowship contract is predicted to start in October 2021, for a period of 5 (five) months on an exclusive basis, eventually renewable until the maximum stipulated in applicable regulations, not exceeding the eligibility period of the project (predicted to end in 31/03/2022).

Work place and Scientific orientation: The research activities will be developed at Molecular Microbiology & Infection Lab of iMM, under the supervision of Professor Mário Ramirez.

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.

Fellow Monitoring 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 **835,98€** in accordance with the defined in FCT table <https://www.fct.pt/apoios/bolsas/valores.phtml.pt>. 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.

Application documents: - Motivation Letter; - Detailed CV; - BSc certificate (please check the “NOTE” in *Fellowship recipients*); - Contact of 1 reference; - Candidate’s declaration of honor indicating previous fellowships, if any, its typology and duration. ***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: Mário Ramirez (FMUL/IMM), Marcos Pinho (FMUL/IMM) and Catarina Silva Costa (FMUL/IMM).

Selection methods: CV (70%). In a second stage, the 5 top-scoring candidates with at least 35 points will be interviewed and scored in the interview performance (30%).

Deadlines and application process: The call will be open from **14th of September until 27th of September 2021.**

Applications should be addressed to Human resources through the email imm-hr@medicina.ulisboa.pt, by indicating the reference of the fellowship. ***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: 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.

Selection reserve list: Not applicable.

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 MSc course. Applicants with academic degrees obtained abroad will be required to present a certificate of recognition in accordance with the applicable regulation. This document is mandatory only in the contracting phase.

For each Fellowship period an [Activity Report](#) must be prepared by the fellow as well as the [Report](#) by the supervisor.

Lisbon, 13th of September 2021

The Executive Director of iMM
Professor Maria Manuel Dias da Mota