

INSTITUTO DE MEDICINA MOLECULAR
MRAMIREZ LAB
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CALL FOR A POSTDOCTORAL FELLOWSHIP
Reference of Fellowship IMM/BPD/8-2017

The Instituto de Medicina Molecular (IMM Lisboa) opens a call for a Postdoctoral research fellowship with the funding support from Projeto de Investigação Científica e Desenvolvimento Tecnológico (IC&DT) Programa de Atividades Conjuntas – projeto n.º 016417 (PD2) “*Oneida (Plataforma ómica para prevenção e controlo de infeções e de resistência aos antimicrobianos)*” - Sistema de Apoio à Investigação Científica e Tecnológica, financiado pelos Fundos Europeus Estruturais e de Investimento (FEEI) - Comissão Diretiva do Programa Operacional Regional de Lisboa e pelo Orçamento de Estado - Fundação para a Ciência e a Tecnologia, I.P.

Work Plan and Goals

- The candidate will be integrated in a team for the development and use of high throughput sequencing (HTS) data analysis pipelines for bacterial identification, antibiotic resistance and virulence factor detection and phylogenetic analysis incorporating other metadata
- Participation in the development of new data analysis and visualization methods
- Data analysis of HTS for surveillance and outbreak characterization purposes in hospital settings
- Creation of user-friendly data analysis reports for the use in hospital settings by non-experts
- Phylogenetic and evolutionary analysis of HTS data for population structure analysis of major human pathogens

Scientific Area: Genomics, Bioinformatics

Candidate Profile

- **PhD** in Microbiology, Biology, Health Sciences, Computer Science or related fields with emphasis in Bioinformatics data analysis
- Knowledge of data analysis of High Throughput Sequencing data, namely de novo assembly and read mapping methods
- Proficiency in Python
- Knowledge of Perl, R, Javascript
- Knowledge of univariate and multivariate Statistical methodologies
- Preference for previous experience in microbial bioinformatics data analysis
- Capacity to work in interdisciplinary teams

Duration of Fellowship: 6 (SIX) months on an exclusive basis, eventually renewable, not exceeding the eligible period of the project.

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), Regulation of Fellowships of Fundação para a Ciência e a Tecnologia (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>), Career By-Law and Assessment Regulation of IMM.

The IMM Lisboa 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 2017

WorkPlace and Scientific Orientation: The work will be developed at MRAMIREZ Lab, under the supervision of Professor Mário Ramirez.

Fellow Monitoring Centre: The monitoring centre works on Tuesday and Thursday from 10am to 12pm, at Human Resources of IMM Lisbon.

Monthly Remuneration: 1.495€ according to the values defined directly by FCT Regulation Fellowship in force (<http://www.fct.pt/apoios/bolsas/valores>). The amount will be paid through bank transfer, at the end of the month.

Necessary Documents for Applications: - Motivation Letter; - Recommendation Letter (Optional); - Detailed CV; - Academic certificates.

The non-compliance with these requirements determines the immediate rejection of the application.

Evaluation: Applications will be evaluated by a jury composed by Professors Mário Ramirez, João Carriço and Catarina Silva e Costa (all PhD's).

Selection Method: First stage: Curricular evaluation and Research Experience (80%); Second stage: interview (20%). The jury will select for an interview the maximum of 5 candidates with a highest score from the first stage.

Deadlines and Submission of Applications: The call will be open for 10 working days, starting on **9th of February and ending on 3rd of March of 2017.**

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/en/job-opportunities/results/> and posted at the entrance lobby of the Institute.

Lisbon, 25th of January of 2017

The Executive Director of IMM Lisboa
Professor Maria Manuel Dias da Mota, PhD