INSTITUTO DE MEDICINA MOLECULAR
MRAMIREZ LAB
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CALL FOR ONE RESEARCH FELLOWSHIP
Reference of fellowship IMM/B/24-2019

The Instituto de Medicina Molecular João Lobo Antunes (IMM) opens a call for one Research Fellowship with the funding support from Projeto de Investigação Científica e Desenvolvimento Tecnológico (IC&D&T) Programa de Actividades Conjuntas – projeto n.º 016417 (PD2) "Oeneida (Plataforma ómica para prevenção e controlo de infeccoes 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 outbreak characterization in hospital and community 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

- MSC in Bioinformatics, Microbiology, Biology, Health Sciences, Computer Science Biochemistry 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
- Knowledge of Python and Javascript.
- Previous experience in microbial bioinformatics data analysis
- Capacity to work in interdisciplinary teams
- Good knowledge of English

IMPORTANT NOTE: In the event the PhD degree was awarded by a foreign 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: 6 (six) months on an exclusive basis, eventually renewable, not exceeding the eligible period of the project (predicted to end on 31st December 2019).

Law and Regulation: Estatuto do Bolseiro de Investigação (Lei n.º 40/2004, de 18 de Agosto, republicado em attachment to Decreto-Lei n.º 202/2012, de 27 de Agosto), current 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 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: May / June 2019

Work Place 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 (09:00AM to 01:00PM / 02:00PM to 06:00PM) and Thursday (02:00PM to 06:00PM), at Human Resources of IMM João Lobo Antunes.

Monthly Remuneration: 989,70€, 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; - Master certificate (please see “IMPORTANT NOTE” indicated in the candidate profile). 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 Costa (all PhD’s).

Selection Method: First stage: Curricular evaluation and Research Experience (70%); Second stage: interview (30%). The jury will select for an interview the maximum of 5 candidates with a highest score from the first stage and with at least 35 points.

Deadlines and Submission of Applications: The call will be open for 20 working days, starting on 18th April and ending on 20th May 2019. 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, 3rd April 2019

The Executive Director of IMM

Professor Maria Manuel Dias da Mota, PhD