

**INSTITUTO DE MEDICINA MOLECULAR  
MPRUDENCIO LAB  
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**CALL FOR A RESEARCH FELLOWSHIP  
Reference of Fellowship IMM/BI/154-2016**

The Instituto de Medicina Molecular (iMM Lisboa) opens a call for a Research Fellowship with the funding support from National Funds (FCT-MCTES) under the research project, entitled "**Improving whole-organism vaccines against malaria by genetic modification**" (PTDC/BBB-BMD/2695/2014).

**Work Plan and Goals**

The fellow will be responsible for the development of new malaria vaccine candidates based on genetically modified *P. berghei*, a rodent malaria parasite. The work will include the construction of transgenic parasites and their molecular characterization. The fellow will also carry out assays of *P. berghei* sporogonic development and sporozoite production in *in vitro* culture conditions. The fellow will also perform laboratory studies of infection of animal models by *Plasmodium*, as well as rodent immunizations, and measurement and characterization of immune responses following the administration of vaccine candidates.

**Scientific Area:** Health Sciences – Parasitology, infection models, immunology

**Candidate Profile**

- Graduation in Biology or related areas;
- Experience in handling of animal models of infection by *Plasmodium* (mandatory);
- Personal license for working with Laboratory Animals equivalent to FELASA (Federation for Laboratory Animal Science Associations) Category B (preferred);
- Experience in culture systems for sporogonic phases of the *P. berghei* parasite (mandatory);
- Experience in maintenance and manipulation of non-infected and *P. berghei*-infected *Anopheles* mosquito colonies (mandatory);
- Experience in fluorescence microscopy (desirable);
- Good knowledge of English, spoken and written;
- Excellent communication and team spirit;
- High sense of organization and ability to keep detailed records of experiments;
- Critical mind and pro-activity.

**Duration of Fellowship:** 3 (three) months on an exclusive basis, eventually renewable for additional periods of 3 (three) months in a total of 9 months.

**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:** January 2017

**Workplace and Scientific Orientation:** The work will be developed at MPRUDENCIO Lab, under the supervision of António Mendes and Miguel Prudêncio (both PhD's).

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

**Monthly Remuneration:** **745€** 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
- 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 António Mendes, Miguel Prudêncio and Luisa Figueiredo (all PhD's).

**Selection Method:** First stage: Curricular evaluation (40%) and Motivation Letter (20%); Second stage: interview (40%).  
The jury will select for an interview the candidates with a score equal or higher than 40% after CV and motivation letter evaluation

**Deadlines and Submission of Applications:** The call will be open for 10 working days, starting on **January 2<sup>nd</sup> and ending on January 13<sup>th</sup>, 2017.**

Applications should be sent to IMM Human Resources through the email [imm-hr@medicina.ulisboa.pt](mailto: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, December 16<sup>th</sup>, 2016**

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