

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES

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Jury Meeting Minute

Reference of Fellowship IMM/BI/24-2021

Instituto de Medicina Molecular João Lobo Antunes (iMM) opened a call for one research fellowship under the Concurso de Projetos de Investigação de Caráter Exploratório (PeX) em Todos os Domínios Científicos within the Exploratory project *EXPL/BIA-BIO/0644/2021* - "*The Unexpected Role of Red Blood Cell Homeostasis in the Onset of Malarial Anemia*" with the funding support from Fundação para a Ciência e a Tecnologia, IP.P. / MCTES through national funds (PIDDAC).

The ad was published at EURAXESS Portugal Portal on 10th of December 2021 and also disseminated in iMM website.

The call was opened from 13th of December 2021 until 24th of December 2021 and during which the following applicant applied:

- ✓ Ana Patrícia Mirotos
- ✓ Catarina Pereira
- ✓ Débora Pina Serrano
- ✓ Fábio Rodrigues
- ✓ Inês Morais
- ✓ Inês Ribeiro
- ✓ Klementina Borovnik
- ✓ Nuno Valente Leal

On the 11th of January 2022 the jury composed by Cristina Arias, Sofia Marques and Clemente Fernandez (all PhD's), met to analyze the application documents (Motivation Letter, Detailed CV, BSc or MSc degree Certificate, Contact of 2 references and Candidate's declaration of honor indicating previous fellowships, if any, its typology and duration) in accordance to the profile and work plan indicated in the job advert.

Work Plan and Goals: *This project, by combining state-of-the-art experimental techniques with mathematical modeling, intends to deepen our knowledge of this algorithm in order to formulate a quantitative theoretical framework of RBC homeostasis. The interest of a theory of RBC homeostasis spreads across many scientific disciplines. In particular, it would allow exploring how malaria interferes with normal homeostatic mechanisms, a line of research largely neglected in malaria studies. The rationale for this approach is that RBC loss caused by the parasite should be expected to trigger compensatory mechanisms in the organism. The fellowship recipient will participate in the achievement of the following objectives:*

Objective 1: *Quantifying the effects of erythropoietin on the expression of CD47 in newly formed RBCs and in the erythroid precursors in the bone marrow.*

Objective 2: *Analyze CD47 and RBC lifespan in malaria-infected mice.*

Candidate's Profile:

- BSc or MSc degree holder in clinical microbiology.
- Desirable experience in malaria.

Necessary Documents for Applications: - Motivation Letter; - Detailed CV; - BSc or MSc certificate; - Contact of 2 references; - 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.**

Selection Method: CV (40%) and Motivation Letter (60%).

CV (40%)

The analysis of the Curriculum Vitae took in consideration:

- BSc or MSc degree holder in clinical microbiology (10%);
- Experience in malaria (30%).

Motivation Letter (60%)

The analysis of the Motivation Letter took in consideration:

- Motivation in Interest for the proposed workplan (40%);
- Written communication (20%).

The analysis and discrimination of the admitted candidates' classification is presented in Annex I.

Lisbon, 11th of January 2022

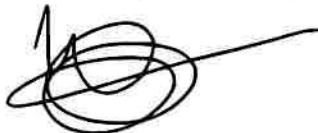
Cristina Arias (IMM)



Sofia Marques (IMM)



Clemente Fernandez (CIB, Madrid)



Fellowship Reference IMM/BI/24-2021

Applicant	CV (40%)		Motivation Letter (60%)		Total	Justification
	BSc or MSc degree holder in clinical microbiology (10%)	Experience in malaria (30%)	Motivation in Interest for the proposed workplan (40%)	Written communication (20%)		
Nuno Valente Leal	10	17	30	18	75	University Degree in Ciências Biomédicas in 2019. High experience in malaria (from a cellular point of view that is what we are looking for). Experience in cytometry. Very nice letter. He talks about his interested in the theoretical part of the project/mathematics and seems highly enthusiastic.
Inês Morais	10	13	24	18	65	Master in Ciências Biomédicas in 2019. Experience in malaria, but from a very molecular point of view. Very nice letter. She talks about her interested on working in this project.
Klementina Borovnik	10	0	35	18	63	Master in Laboratory Biomedicine in 2021. No declaration of honors. It is a very molecular profile. No malaria experience. Very nice letter. She mentions her interested in the theoretical part of the project which is very important.
Inês Ribeiro	10	0	30	20	60	Master in Biological Engineering in 2019. No malaria experience. Cardiomyocytes and Covid experience. Nice motivation letter, simple but she talks about her interested on working in malaria.
Débora Serrano	10	9	18	18	56	University Degree in Ciências Biomédicas de laboratório in 2019. Experience in malaria (but in polymorphisms, a field very far from what we are looking in this project) It is a very clinical profile (worked in hospitals). Very nice letter, although she doesnt talk about the interested on working in this project.
Fábio Rodrigues	10	3	23	18	55	University Degree in Biologia Celular and Molecular in 2014. Master degree in Genética Molecular in 2017. No experience in malaria but have some experience in babesiosis. Very nice letter. He talks a bit about the project. Not honor declaration about fellowships.
Catarina Pereira	10	0	12	17	38	University Degree in Biologia. Master in Microbiologia in 2016. Not experience in malaria. Profile very molecular and experience in proteomics and bacterias. Nice letter but she doesnt talk about the interest in the project.
Ana Patrícia Mirotos	10	4	4	5.67	24	University Degree in Análises Clínicas e Saúde Pública in 2007. Technician and it is a too clinical profile for this project. She says that she is interested in our "company". She doesnt talk about the motivation to work in this project. Very short letter. She didnt present the honor declaration of previous fellowships.

Declaração de inexistência de conflito de interesses (CDI)

Os membros do júri do Concurso para Atribuição de 1 (uma) Bolsa de Investigação, Ref.^a IMM/BI/24-2021, aberto ao abrigo do projeto *EXPL/BIA-BIO/0644/2021 - "The Unexpected Role of Red Blood Cell Homeostasis in the Onset of Malarial Anemia"*, vêm por este meio declarar que não se encontram em situação de conflito de interesses que os impeça de participar no respetivo processo de seleção e atribuição de bolsa.

Declaram também manter a confidencialidade ao longo do processo de avaliação.

Lisboa, 11th de January de 2022

Cristina Arias (MM)



Sofia Marques IMM)



Clemente Fernandez (CIB, Madrid)

