

INSTITUTO DE MEDICINA MOLECULAR JOÃO LOBO ANTUNES

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Jury Meeting Minute

Reference of Fellowship IMM/BII/10-2022

Instituto de Medicina Molecular João Lobo Antunes (iMM) opened a call for one research fellowship to a PhD student with the funding support from LeDucq Foundation under the project “**Attract – ATTRACT: Arterial flow as attractor for endothelial cell migration**”.

The ad was published at EURAXESS Portugal Portal on 22nd of March 2022 and also disseminated in iMM website. The call was opened from 23rd of March until 5th of April 2022 and during which the following applicant applied:

- ✓ Amir Esmaily
- ✓ Andreia Pena
- ✓ Bilkisu Yusuf
- ✓ Diogo Lopes

On the 29th of April 2022 the jury composed by Cláudio Franco, André Gonçalves and Ana Figueiredo (all PhD's), met to analyze the application documents (Motivation Letter, Detailed CV, MSc degree Certificate, 1 reference letter 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 Objectives:

The selected candidate is going to study the importance of the non-muscle myosin II (NM II) in pericytes, in a pathological and physiological context. The main tasks are: 1) study the role of myosin (NMIIA e NMIIIB) during angiogenesis – using the mouse retina as an angiogenesis model; 2) study the molecular mechanism; 3) study the myosin's role in a pathological context (OIR).

Candidate's Profile:

- MSc degree holder in Biochemistry, Biomedicine or Biology
- Experience in confocal and widefield microscopies
- Animal license - FELASA B
- Experience in work with rodents (adults and neonatal)
- Experience in vascular biology, in particular in pericytes.
- Experience in the oxygen induced retinopathy (OIR) mouse model
- Experience in tissue cell culture and in vitro assays
- Experience in perform primary endothelial cell and mural cell isolation from mouse
- Experience in biochemistry and molecular biology analyses and assays

Application documents: - Motivation letter; - Detailed CV; - MSc Degree certificate; - 1 Reference Letter;

-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.

Selection Method: The selection will be made based on CV 60% and Interview 40%.

Curricular Analysis (60%)

The curricular analysis took in consideration:

- MSc degree holder in Biochemistry, Biomedicine or Biology (5%)
- Experience in confocal and widefield microscopies (5%)
- Animal license - FELASA B (5%)
- Experience in work with rodents (adults and neonatal) (10%)
- Experience in vascular biology, in particular in pericytes (5%)
- Experience in the oxygen induced retinopathy (OIR) mouse model (10%)
- Experience in tissue cell culture and in vitro assays (5%)
- Experience in perform primary endothelial cell and mural cell isolation from mouse (10%)
- Experience in biochemistry and molecular biology analyses and assays (5%)

The analysis and discrimination of the admitted candidate' classification is the First phase of this process are presented in Annex I attached to current minute.

Interview (40%)

Following this, the jury decided that only applicants with at least 50% classification in the first phase should be invited for an interview. Only one applicant obtained at least 50%. The applicant is identified below. The interview took place on 5th of May.

- Andreia Pena

For the interview, the jury considered the following criteria:

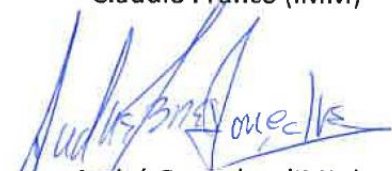
- Adequacy of the track record of the candidate to the work plan (10%);
- Scientific curiosity and motivation for the proposed activities (10%);
- Ease of communication and autonomy (10%);
- High sense of organization and teamwork (5%);
- Command of the English language (5%)

The analysis and discrimination of the admitted candidate' classification is the Second phase and total classification in both phases of this process are presented in Annex II attached to current minute.

Lisbon, 12th of May of 2022

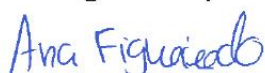


Cláudio Franco (iMM)



André Gonçalves(iMM)

Ana Figueiredo (iMM)



ANNEX I - Fellowship Reference IMM/BII/10-2022

Applicant	Curricular Analysis (60%)									Total	Justification
	MSc degree holder in Biochemistry, Biomedicine or Biology (5%)	Experience in confocal and widefield microscopies (5%)	Animal license - FELASA B (5%)	Experience in work with rodents (adults and neonatal) (10%)	Experience in vascular biology, in particular in pericytes (5%)	Experience in the oxygen induced retinopathy (OIR) mouse model (10%)	Experience in tissue cell culture and in vitro assays (5%)	Experience in perform primary endothelial cell and mural cell isolation from mouse (10%)	Experience in biochemistry and molecular biology analyses and assays (5%)		
Amir Esmaily	5	0	0	0	0	0	5	0	5	15	The candidate has experience, however not within the scope of this project
Andreia Pena	5	5	5	10	4	8	5	9	3	54	Knowledge of several pf the areas of research within this project. Knowledge of several of the required techniques.
Bilkisu Yusuf	2	0	0	0	0	0	0	0	0	2	The candidate does not have experience
Diogo Lopes	5	0	0	0	0	0	5	0	5	15	The candidate has experience, however not within the scope of this project

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ANNEX II - Fellowship Reference IMM/BII/10-2022

Applicant	Total ANNEX I	Interview (40%)					Total ANNEX II	Justification	
		Adequacy of the track record of the candidate to the work plan (10%)	Scientific curiosity and motivation for the proposed activities (10%)	Ease of communication and autonomy (10%)	High sense of organization and teamwork (5%)	Command of the English language (5%)			
Andreia Pena	54	10	9	9	4	3	35	The candidate expressed a very keen interest in the research project. The candidate revealed independent thinking and commitment to this research project.	89

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