



Unfixed-Term Employment Contract
Reference IMM/CT/29-2019

We are seeking for one enthusiastic and well-trained Junior Research Assistant who will join the Laboratory and group of Marc Veldhoen studying aspects of the regulation, organisation, and dynamics of immune responses.

Project: Leverage research EXCELlence and INNOVation potential of Instituto de Medicina Molecular (IMM) through translational biomedical research in immunity and infection – GA667824 - *European Union's Horizon 2020 ERA Chair Project EXCELLtoINNOV*

Scientific Area: Immunity and Infection

Project Summary: The project seeks to explore the requirement of a transcription factor and a chromatin remodeler in maintaining populations of T cells in the small intestine. In addition, it will explore how these factors influence their function as well as immune and tissue homeostasis in the gut. The project will make use of novel full and conditional knock out models which require robust analysis by cell biology techniques as well as flow cytometry, microscopy and in vivo methods such as adoptive transfers, colitis models and infections.

Activities: The Research Assistant will participate in the majority of ongoing studies in the laboratory, with a focus on genotyping, keeping lab stocks, isolating T cells from tissues, flow cytometry and in vitro cell cultures.

A wide range of molecular and cellular and biology as well as microbiological techniques will be used. Relevant experience is highly advantageous, but additional training will be provided where required.

Experimental procedures

- Cell biology techniques, such as maintaining cell lines as well as primary cell cultures
- Molecular biology techniques, such as preparation and analysis of DNA and RNA
- Assistance with primary lymphocyte isolation from mouse tissues and preparation for analysis or culture
- Multicolour Flow cytometry acquisition and analysis
- Preparation of reagents required by the lab such as buffers

Administrative procedures

- Maintaining lab protocols and stocks

Experience, Knowledge, Skills

- BSc in biological sciences or related discipline
- Experience in working in a biological sciences laboratory
- Practical experience with molecular or cellular biology
- Experience with multicolour flow cytometry
- Experience with genotyping PCRs and gene expression qPCRs
- Experience with isolating lymphocytes from tissues, such as spleen and intestine
- Experience with primary lymphocyte activation cultures
- Experience in good laboratory practice
- Reliable and meticulous with experiments
- Enthusiastic and highly motivated with regard to biological sciences
- Ability to comprehend and communicate in the English language
- Ability to work independently and as part of a team
- Able to communicate effectively with staff at all levels, both orally and in writing
- Good time management and prioritisation skills
- Good troubleshooting and computer skills
- Proactive and uses initiative to move projects forward
- Flexible approach to job role
- Sociable and able to maintain intra- and inter-laboratory collaborations

Predicted Start Date and workplace: The contract is expected to start in September 2019 and will remain only for the necessary execution period of the work plan.

Working Conditions: Gross monthly Remuneration is 1.000€ subject to the mandatory taxes according to the Portuguese Labor. The selected candidate will also receive a meal allowance in the amount of 4,77€/ per working day and other allowances under the contract (Holiday and Christmas allowances) also subject to the legal mandatory taxes.

IMM Lisboa complies 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 to 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 or trade union membership.

How to apply and Selection Process: The call is **NOW** open and will end on **9th August 2019**. Applications for the above opening should include: - Motivation letter; - Detailed CV; - BSc certificate. ***The non-compliance with these requirements determines the immediate rejection of the application.***

Applications should be sent to: imm-hr@medicina.ulisboa.pt with the Reference IMM/CT/29-2019 and will be evaluated by Dr. Marc Veldhoen, Dr. Birte Blankenhaus and Marta Baptista (MSc).

Selection process: - **Pre-selection:** Will be based on CV, motivation letter and research experience (70%); - **Interviews:** Short-listed candidates will be interviewed (30%); - **Job offer:** Will be sent to the successful candidate after the interview.

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, 22nd July 2019