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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Encarnita Mariotti-Ferrandiz
Supervisor page	https://www.i3-immuno.fr/en/#People/EMF
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Immunology-Immunopathology-Immunotherapy (i3) https://www.i3-immuno.fr/en/
Research Team	Integrative Immunology (I2) https://www.i3-immuno.fr/en/#Member/i2

Project Title

High-Throughput Assay for Mapping TCR Specificity to Advance Precision Therapies for Autoimmune Diseases

Project Description

T cell receptor sequencing (TCR-Seq) offers new opportunities for the diagnosis and treatment of immune diseases. However, a key challenge after the identification of relevant disease- or treatment-specific TCRs is the determination of their antigen specificity. This project aims to develop a high-throughput assay for this purpose. By uncovering clinically relevant TCRs and their specificities, this project will advance T cell therapies, including those based on CAR-Tregs.

Keywords

bio-engineering, immunology, cell-therapy

Description of the Host Research Lab

i3 general objectives are to (i) advance the frontiers of knowledge in Immunology and (ii) develop novel immunotherapies, with a dual reductionist and systems biology approach. Within this translational systems immunology project, our focus is on tolerance in health and diseases.

To meet these objectives requires the interaction between people with very different skills: medical practitioners, biologists, computer scientists, project-managers... among others. Most of the research unit personnel and their specific skills contribute to a majority of our specific projects.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr