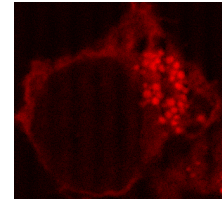




Postdoctoral Opportunity at
Institut Pasteur, Paris

Demangel Laboratory



September 2024

Our lab is interested in host-microbe interactions and their role in genesis of human diseases. Through the study of immunosuppressive strategies evolved by intracellular pathogens, we are looking for new ways to manipulate the immune system.

Postdoctoral opportunities are available to investigate the immune and metabolic defenses coordinated by host cell lipid droplets during infection with bacteria such as *Mycobacterium tuberculosis*. The researcher will characterise how lipid droplets mediate direct bacterial killing, immune signalling and metabolic reprogramming in host cells, using a combination of -omic and imaging approaches. Comparing *Mycobacterium tuberculosis* to avirulent species will help unravel bacterial mechanisms of resistance to lipid droplet-mediated defenses.

This is an ERC-Syg project carried out in close collaboration with the groups of Albert Pol (University of Barcelona, Spain) and Robert G. Parton (University of Queensland, Australia). More information on the Demangel Lab and project can be found at: <https://research.pasteur.fr/en/team/immunobiology-and-therapy/>

Candidates should have expertise in cell biology of host-pathogen interactions and innate immunity. Skills in -omics, fluorescence microscopy or biochemistry will be a plus. The contract is for a period of 2 years, renewable. Qualified applicants, please send your CV to demangel@pasteur.fr, with a brief description of your research interests and the contact information of 3 references.