



Funded postdoctoral position in the Lecuit lab at Institut Pasteur

We are looking for talented and motivated postdoctoral researchers to join the **Biology of Infection** Unit led by Marc Lecuit at the **Institut Pasteur**, in Paris, France. The laboratory develops cutting-edge research aimed at understanding the molecular mechanisms of infection from both the microbe and host perspectives.

Laboratory interests

There are fundamental gaps in our knowledge of infection biology, especially for facultative intracellular pathogens. To fill these gaps, we conduct multidisciplinary and integrative approaches using *Listeria monocytogenes* as an advanced model pathogen. The Biology of Infection Unit has unique assets, combining humanized infection models, a large and unique collection of genetically characterized *Listeria* strains, state-of-the-art technologies, and a unique cohort of listeriosis cases with patient and *Listeria* genomic data.

Environment

The Institut Pasteur is a renowned biomedical research center located in Paris. It offers state-of-the-art technology and platforms. Full administrative support is provided for foreign candidates (help with visa, accommodation, social security, transportation). It is not necessary to speak or learn French to work in the laboratory.

Candidate requirements

Applicants must have a PhD or MD degree. Applicants should have a strong background in either immunology, cell/tissue biology, microbiology, genomics, single cell analysis, bioinformatics, imaging, big data analysis. Candidates should be highly motivated and ambitious. Technical expertise in molecular biology and/or biochemistry is highly desirable. Applicants should be fluent in English.

Applicants should send their CV, cover letter and contact details of at least two referees at postdoc.biu@pasteur.fr

Lab website: <http://www.pasteur.fr/research/biu>

Relevant publications:

Hafner et al. *Nat Microbiol.* *in press*

Blanchard et al. *Lancet Infect Dis.* 2024 ;24(7):783-792

Maudet C et al. *Nature.* 2022; 603: 900-906

Kim M et al. *Curr Biol.* 2021; 31(5):1037-1047

Hafner L et al. *Nat Commun.* 2021;12(1):6826

Moura et al. *Sci Adv.* 2021;7(49):eabj9805

Meertens et al. *Nature.* 2019;574(7777):259-263

Buchrieser J et al. *Science.* 2019;365(6449):176-180

Charlier C et al. *Lancet Infect Dis.* 2017;17(5):510-519

Moura A et al. *Nat Microbiol.* 2016;2:16185

Maury MM et al. *Nat Genet.* 2016;48(3):308-13

Blériot C et al. *Immunity.* 2015;42(1):145-58

Gessain G et al. *J Exp Med.* 2015;212(2):165-83

Disson O et al. *Nature* 2008;455(7216):1114-8

Keywords: *Listeria monocytogenes*, intracellular pathogens, immune responses, tissue biology, single cell, genomics, host-pathogen interactions, myeloid cells, intestine, liver, brain, placenta, microbiota.

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