



Funded postdoctoral position in bacterial genomics and evolution 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 infection biology 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. The laboratory has developed the BIGS-db *Listeria* international genomic database (<https://bigsdb.pasteur.fr/listeria/>).

Environment

The Institut Pasteur is renowned biomedical research institute 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 bacterial genomics and evolution, bioinformatics and data analysis. Candidates should be highly motivated and ambitious. 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.* 2025; 9(12):3345–3361
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 M 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*, bacterial genomics & evolution, intracellular pathogens, host-pathogen interactions, immune responses, microbiota.

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