

Post-doctoral position « Pathogen-host interaction » (up to 2 years)

[Plague and *Yersinia pestis* team, Institut Pasteur de Lille, France](#)

The position

As part of our ANR-funded project “The adaptive nature of plague transmission by fleas – ADAPT,” we are seeking a candidate to investigate the role of *Yersinia pestis* microevolution in the dynamics of plague transmission. This position, with a duration of up to two years, is available from May 2025 or until a suitable candidate is selected.

The successful candidate will be encouraged to apply for a permanent research position within our national institution (Inserm & CNRS), and mentorship will be provided to support this process.

The candidate profile

We are looking for a PhD graduate in biology with prior experience in microbiology (preferably bacteriology), molecular biology, and omics analyses. Expertise in arthropod-pathogen interactions is a plus. A strong interest in host-pathogen interactions and evolutionary biology is essential. The candidate should demonstrate autonomy, excellent communication and collaboration skills, and be fluent in English to interact with our international collaborators.

The lab and its working environment.

Our team comprises 12 members, including 4 researchers, 1 technician, 1 assistant engineer, 1 engineer, 3 post-docs, and 2 PhD students. Our laboratory stands out as the only one in Europe with the expertise and resources to comprehensively study the flea-mammal-flea transmission cycle of *Yersinia pestis*, supported by cutting-edge platforms.

As part of the Center of Infection and Immunity of Lille, we are located on the campus of the Institut Pasteur de Lille, which hosts 8 units and 34 teams. This dynamic environment offers access to complementary expertise across a wide range of disciplines.

Assistance with relocation and settling in Lille will also be provided for international candidates.

Lille is a vibrant city with a large student population and is ideally situated at the crossroads of Europe, with direct connections to Paris (1 hour), Brussels (30 minutes), and London (<2 hours).

The employer

Member of the international network of Pasteur Institutes, the Institut Pasteur de Lille is an international medical research center and is widely recognized for its scientific excellence throughout the world. Its most famous discovery in infectious disease is the development of the BCG vaccine.

Contact and application.

The application has to be send to florent.sebbane@ibl.cnrs.fr. The application must include a CV, a cover letter and contact details of 3 references.