

JOB OFFER

2-year post-doctoral position on: The influence of mosquito-associated microorganisms on the vector capacity

We recruit an **early career post-doctoral associate** (< 2 years post PhD defense) **specialized in host-microbe interactions and/or vector biology** for up to **2 years**.

The host laboratory

The successful candidate will join the **Microbial Dynamics and Viral Transmission research team (DMTV)** from the **Microbial Ecology research department** of University Claude Bernard Lyon 1, to work with **Guillaume Minard**, PhD (Associate Professor). The team is composed of four university faculties, two assistant engineers and four PhD students. It explores the **multiple interactions** between the **Asian tiger mosquito *Aedes albopictus***, its **microbiota** (including **arboviruses**) and its **environment**. One of its peculiarities is its important collaboration with stakeholders and the aim to better understand the human-driven factors favorizing the mosquito colonization of urban areas.

The DMTV team is located at the LyonTEch-La Doua campus of the University Lyon 1 in Lyon metropolitan area. It is one of the 7 research groups of its department, which are conducting basic research on microbial communities and their interactions with the environment.

For more information, visit our website at:

https://www.ecologiemiocriennelyon.fr/internet_c45_lem-eng

The project

This project has been funded by the **University Claude Bernard Lyon 1**. The aim of this study is to disentangle the complex **microbiota – mosquito interactions** and their **influence on vector capacity**. To that end, the successful candidate will **manipulate the microbiota** of different **Asian tiger mosquito *Aedes albopictus* lines** to assess whether **genotype x microbiota interactions** modulate the mosquito **life history traits** and **behavior**, as well as its **ability to transmit the Chikungunya virus**.

The PI of the project is also **open to the development of side projects and/or any relevant evolution of the study** that would be suggested by the postdoctoral research associate according to her/his background.

Your profile

You hold a **Ph.D. in Biology/Microbiology/Ecology/Infectiology (or similar)**

You are an **early career researcher** (from 0 to 2 years of experience after the PhD defense)

You have an **expertise in host-microbe interactions and/or vector biology**

You are keen on **handling and finalizing multiple projects**

You have a **team spirit** and a **problem-solving mindset**

You have proven your **communication** and **writing skills**

You have a **good knowledge of English** (spoken and written)

Additional information

Starting date: **before the 31st of August 2023**

Salary: **may vary according to your experience** (estimation ~1860 euros/months including basic social security)

Location: the University is located in **the metropolis of Lyon**, famously renowned for its **gastronomy** and the broad range of activities it proposes all year long including but not limited to: **summer concerts** in Roman ruins, several **food festivals**, **contemporary arts** and of course its original **December 8th Light festival**. **Public transports** are highly developed in the metropolitan area, making **all daily activities accessible without personal transport**. It is also conveniently located **close to the Alps mountains** (2h by car or train) and to **the Mediterranean Sea** (3h by car or train).



How to candidate

Please apply before the **19th of April** by sending a resume, a CV, a motivation letter and **at least 2 references** to the following email address: guillaume.minard@univ-lyon1.fr