
Post-doctoral position in Bacterial Genomics in Reunion Island (France)

A **2-year post-doctoral position** funded by the European Regional Development Fund (ERDF) is available for a highly motivated and talented researcher in bacterial genomics at the Research Unit **Processus Infectieux en Milieu Insulaire Tropical** (UMR PIMIT, IRD 249, INSERM U1187, CNRS 9192, Reunion University, <http://pimit.univ-reunion.fr>), and the Centre Hospitalier Universitaire (CHU), Reunion Island, France.

As part of a collaborative research framework, UMR PIMIT and the CHU conduct research on endemic, emerging and re-emerging infectious diseases in Reunion Island and in the Southwestern Indian Ocean. UMR PIMIT promotes and nurtures multidisciplinary and ecosystemic approaches that focus on infectious agents, reservoirs, vectors and hosts. The objective is to describe infectious processes using the One Health approach, examining the ecology, biology and evolution of infectious agents and their hosts as well as the pathophysiological consequences in human.

Job description

The biogeographical context and specific health concerns of the South Western Indian Ocean islands represent a favorable situation for the study of emergence and dissemination of antimicrobial resistance. In Reunion Island, multidrug-resistant (MDR) bacteria are detected and monitored in hospitals, but few data exist on the spread of these MDR bacteria in the community and the environment. To better understand the emergence and the dynamics of antibiotic resistance in Reunion, the project RESISTORUN funded by ERDF aims at exploring the occurrence of drug-resistant bacteria taking into account contrasted biotopes as potential sources and / or reservoirs of these bacteria.

The successful candidate will be able to manage all bioinformatic analyses of genomic sequences of MDR bacterial strains isolated from patients and the environment. He/She should hold a PhD with strong expertise in NGS and comparative analyses. He/She will interact with the sequencing companies to set up optimal sequencing strategies. Skills on MinION technology will be appreciated.

Additional information

Starting date : December 1st 2020

Application deadline : November 1st 2020

Net salary : 2,500 € / month

Applicants should send a brief summary of research activities, a CV, a list of publications, and names and e-mail addresses of two references to :

Patrick MAVINGUI : patrick.mavingui@cnsr.fr

Guillaume MILTGEN : guillaume.miltgen@chu-reunion.fr