
**Post-doctoral position in biotechnology to implement
seroepidemiology of dengue in Reunion Island (France)**

A 12-month postdoctoral fellowship, renewable depending on the duration and progress of the project, funded by the European Regional Development Fund (ERDF) is available in the Research Unit **Processus Infectieux en Milieu Insulaire Tropical** (UMR PIMIT, INSERM U1187, CNRS 9192, IRD 249, Reunion University), Reunion Island, France.

The project RUNDENG, Reunion Island against dengue, aims to develop fundamental, translational, clinical and epidemiological research on dengue through an integrated holistic One Health approach.

Since 2017, Reunion Island has been confronted with a continuous circulation of dengue virus transmitted by the mosquito vector *Aedes albopictus*, with three serotypes (DENV-1, DENV2, DENV-3) and an increase in severity. It is accepted that severe forms of the disease are more frequent in cases of secondary dengue than in cases of primary infection. Moreover, the metabolic diseases encountered on Reunion Island may represent aggravating factors.

In this context, the engineer's mission will be to develop a seroepidemiological study based on both the cohort CARBO-Reunion of hospitalized dengue patients and the large cohort REUNION in the general population to explore the evolution of exposure to virus and disease severity. This will be done by setting up highthroughput seroprevalence and seroneutralization assays at different times of the epidemic.

He/she should hold a PhD with strong expertise in viral immunology or molecular infectious disease epidemiology. Basic skills on arboviruses would be a plus.

Additional information

Starting date : August 1st 2021

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:

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Further information could be obtained from the same person.

Deadline for submission July 30, 2021.

<http://pimit.univ-reunion.fr>