



## **Post-doctoral position at IRD in Montpellier (France): Statistical analysis of the impact of Vector Control on the course of the dengue epidemic in Reunion Island in 2018-2019**

A 1-year post-doctoral position funded by the ANSES (French Agency for Food, Environmental and Occupational Health & Safety) is available for a highly motivated young researcher at the Research Unit MIVEGEC (*Infectious Diseases and Vectors: Ecology, Genetics, Evolution and Control*) at the IRD (Institut de Recherche pour le Développement) in Montpellier, France.

The postdoc post will focus on the statistical analysis of the efficacy of vector control actions targeted against *Aedes albopictus* on the course of the dengue epidemic in Reunion Island in 2018-2019. The aim is to use data collected locally (epidemiological data, vector control data) and analyze them in order to study the effectiveness of certain *Aedes* control actions on the course of the dengue epidemic in La Reunion Island during 2018-2019.

The activities will consist of statistical analysis of field data in close collaboration with the project supervisor (David Roiz, CRCN IRD MIVEGEC). Descriptive analysis of retrospective and geo-referenced databases. Collect additional data. Develop and validate the statistical analyses (to be defined, for example: Generalized Linear Model (GLM), Generalized Additive Model (GAM), time series). Writing and submission of a scientific publication.

The competences required are: Statistical analysis and programming (ex: software R). Spatial modeling (ex: R and QGIS / ArcGIS). Spatial ecology or population ecology (eg vectors, mosquitoes in general, *Aedes* genus). The candidate must hold a PhD presented within the last two years.

The post will be for 1 year (12 months) beginning in November 2019 with a net salary of around 2200 euros in Montpellier, France. MIVEGEC is a reference research unit for disease ecology and vector-borne diseases and Montpellier an important research pole center.

Applicants should send a brief summary of research activities, a CV, a list of publications, and the names and e-mail addresses of two referees to David Roiz (david.roiz@ird.fr). Deadline for submission October 20, 2019.

<https://www.mivegec.ird.fr/en/>

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