

Post-Doc offer: Vector Control Research Laboratory- Pasteur Institute of Guadeloupe (French West-Indies)

Project title: Understanding *Aedes aegypti* semiochemistry to propose an alternative for vector control.

Candidate profile: Applicants must have a PhD and a solid background in entomology, notably in insect behavior and/or chemical ecology. Candidates are expected to be proficient in oral and written English and to have great communication skills.

Rationale/Project description: There is an urgent need for the development of innovative and efficient vector control strategies against the major arboviruses vector, *Aedes aegypti*. The main goal of this project is to explore *Ae. aegypti* semiochemistry and behavior to develop specific and environmentally friendly control tools for this mosquito species as an alternative to insecticides. Several odor sources may be investigated (i.e. mosquito-produced, bacteria-associated, plant volatiles). For around three years, we have worked on this project, funded by a FEDER programme, to characterize odors associated with *Ae. aegypti* mosquitoes.

Candidate role: The candidate will pursue the project mentioned above and will: (i) identify *Ae. aegypti*-related organic compounds and (ii) test their perception, attractiveness and/or repellency on conspecific mosquitoes.

Duration: 18 months. Intended start date is November 4th, 2019.

Location: The position will be based at the Institut Pasteur of Guadeloupe. Morne Jolivière 97139 Les Abymes, Guadeloupe, French West Indies.

Annual Gross Salary: ~33 500 €.

How to candidate: *Curriculum vitae* and motivation letter should be sent to Anubis VEGA RUA (avega@pasteur.fr), Antoine Boullis (aboullis@pasteur-guadeloupe.fr) **AND** Antoine Talarmin (atarmin@pasteur-guadeloupe.fr), from Pasteur Institute of Guadeloupe.

Contacts for information request:

Anubis VEGA RUA (avega@pasteur.fr) in the following period: 5-12th August, 2-30th September

Antoine BOULLIS (aboullis@pasteur-guadeloupe.fr) in the following period: 5-28th August, 9-30th September.

Deadline for applications: 1st October, 2019