

Application for a post-doctoral position Unit “Arboviruses and Insect Vectors” at the Institut Pasteur in Paris 2 yrs project on mosquito host barriers driving vector specificity for arbovirus transmission

The Institut Pasteur is looking for a post-doctoral fellow in the unit “Arboviruses and Insect Vectors (AIV)” headed by Prof. Anna-Bella FAILLOUX.

Description

The unit AIV seeks a highly motivated candidate in the field of arbovirology. The aim of the project is to understand the differential vectorial efficiency of Anopheles and Aedes mosquitoes for the transmission of arboviruses, with the ultimate goal to exploit this information for development of new tools for transmission control and surveillance of emergence risk. The **objective of the project** is to identify and dissect the molecular mechanisms that limit or promote infection of two related arboviruses ONNV and CHIKV, in the mosquitoes, *An. coluzzii* and *Ae. aegypti*, respectively. The more specific aims will be to: (i) screen candidate genes underlying antiviral functions in Aedes mosquitoes, and (ii) dissect the mechanisms of action of selected candidates with special focus on immune genes. The candidate will work within a consortium (headed by Ken Vernick, Institut Pasteur) funded by the ANR (<https://anr.fr/en/>). The Vernick team will take a leading role on experiments with Anopheles while the Failloux team will have a leading role on the Aedes experiments.

Qualification

The position is ideally suited for highly motivated applicants with a PhD and a strong background in molecular virology with an established publication record. French language is not a requirement. Strong written and oral communication skills in English are required.

Additional Information

Starting date: December 2019 (duration 24 months)

Location: Paris, France

Applicants should send a letter of intent, a detailed CV, a list of publications, a summary of their previous research activities (≤2 pages), the expected date of availability and the names of three references to anna-bella.failloux@pasteur.fr

Dead line for submission: September, 30th 2019 (later applications will be considered until the position is filled).

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