

## 2 years POSTDOCTORAL POSITION

at IRIM CNRS Montpellier, France

### SCREENING OF SMALL MOLECULES TARGETING ARBOVIRUSES USING INFECTIOUS FLUORESCENT CELLULAR ASSAYS

Arboviruses represent a major public health problem and a growing threat around the Mediterranean Sea. The validation of high throughput screening tests remains a crucial issue for the identification of suitable antiviral treatments. We propose the development and evaluation of screening assays for small antiviral molecules based on fluorescent infected cells using genetically modified arboviruses. Proof of concept will be provided by testing chemical libraries (CNRS essential, Prestwick or collaborations) and comparing the results with validated tests using unmodified Chikungunya, Zika or Dengue viruses with clinical relevance. Infected cells and viruses will be characterized at IRIM ([www.irim.cnrs.fr](http://www.irim.cnrs.fr)) and CEMIPAI ([www.cemipai.fr](http://www.cemipai.fr)) using electron microscopy, Atomic force microscopy, or spinning disk confocal microscopy or nanoparticle tracking.

This project is a translational 2 years postdoctoral project supervised by a molecular and cellular virologist (Dr D.Muriaux / IRIM) and a medical virologist (Prof. X.de-Lamballerie / AMU). The position is funded by the Infectiopôle Sud Foundation ([www.mediterranee-infection.com](http://www.mediterranee-infection.com)) with a salary of 1500 euros/month and is only dedicated to foreign PhD with less than a year of residency in France, favoring South countries with equal opportunity.

We are looking for a highly motivated and excellent candidate with a strong background in antiviral pharmacology, cell biology/virology/immunology and with a strong interest in understanding molecular mechanisms occurring upon antiviral treatments. For this position, the candidate is expected to be enthusiastic about a collaborative interdisciplinary environment. The candidate will be mainly located in Montpellier (France).

If your profile matches the description and restrictive requirements, please send your application including all documents (motivation letter, CV, references and contact details) until **October 1st, 2019** preferably by e-mail.

For further information please contact:

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