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) and CEMIPAI
(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) 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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