



Centre
International
de Recherche
en Infectiologie

3-YEAR POSTDOC POSITION AVAILABLE ON HIV

HOST PATHOGEN INTERACTION IN LENTIVIRAL INFECTION LABORATORY (TEAM OF ANDREA CIMARELLI) AT THE CIRI, LYON, FRANCE

OUR LABORATORY is actively seeking for one highly motivated post doctoral candidate to work on the relationship between human immunodeficiency viruses (HIVs) and the family of Interferon-Induced Transmembrane Proteins (IFITMs), exciting antiviral effectors capable of targeting HIV as well as a broad range of very distinct viruses. IFITMs block the fusion between viral and cellular membranes and the goal of the project is to determine the exact mechanism through which this is orchestrated.

CANDIDATES must possess a PhD and be able to conduct their research independently and enthusiastically and should possess prior experience in virology and/or cell biology. While previous experience in these fields is a plus, we also welcome candidates from other fields, strongly motivated to make the transition to HIV research. We host people from different countries and our working language is English.

FUNDING is provided for 3 years by the French Agency for research on HIV/hepatitis (ANRS) and salary will depend on experience. The starting date is not firmly fixed, but should be preferentially set within the first half of the year 2019.

OUR RESEARCH ENVIRONMENT. The laboratory is hosted within the CIRI, an institute supported by INSERM, CNRS, UCBL and ENS and dedicated to multi-disciplinary research in infectious diseases in Lyon-France. The CIRI provides an exciting, multi-disciplinary and multi-cultural environment in which to carry out research, with topics that range from immunology, bacteriology to virology and is itself embedded in the Lyon-Gerland Area that hosts as well several other research Units. The Institute provides all the state-of-the-art facilities that will be used to carry out the project.

Candidates should send their application, CV and contact information for referees, to: acimarel@ens-lyon.fr

Selected publications from the lab on the subject:

- 1) IFITM proteins are incorporated onto HIV-1 virion particles and negatively imprint their infectivity. Tartour et al. *Retrovirology*. 11:103 (2014).
- 2) Interference with the production of infectious viral particles and bimodal inhibition of replication are broadly conserved antiviral properties of IFITMs. Tartour et al. *PLoS Pathog* Sep 28;13(9):e1006610 (2017).
- 3) Functional mapping of regions involved in the negative imprinting of virion particles infectivity and in target cell protection by the Interferon-Induced Transmembrane Protein 3 (IFITM3) against HIV-1. Appourchaux et al., *J Virol*. Oct 24. pii: JVI.01716-18. doi: 10.1128/JVI.01716-18. (2018).

Further information is presented on our laboratory homepage (<http://ciri.inserm.fr/en/team/all-teams/host-pathogen-interaction-during-lentiviral-infection/themes-research/>).