

POST-DOCTORAL POSITION IN BASIC HIV VIROLOGY

A post-doctoral position is available at Infinity (Toulouse Institute for Infectious and Inflammatory Diseases, INSERM Unit 1291, Toulouse, FRANCE) in the Team “Viral infection: persistence, host response and pathophysiology”. The position will be funded for two years by the ANRS-MIE. The project is due to start in spring 2024.

Laboratory description and research interests

Infinity comprises 14 research teams united around three main themes: Immunology, inflammation and infectious diseases. Infinity is affiliated with INSERM, CNRS and University of Toulouse III and is located within the Toulouse-University Hospital, which enables sustained translational research. Infinity also benefits from cutting-edge core facilities (flow cytometry, immunomonitoring, imaging, genomics and transcriptomics) as well as a BSL-3 laboratory for the manipulation of diverse viruses that represent important public health concerns worldwide (e.g. HIV). Within this context, our team seeks to understand how viral and host determinants, and their interplay, shape the outcome of viral infections. As part of this research, in collaboration with a team from Institut Pasteur, we have recently uncovered that CC chemokine receptor 5 (CCR5), the major HIV-1 coreceptor that is part of the family of seven-transmembrane domain, G protein coupled receptors (GPCRs), interacts with a set of PDZ domain-containing proteins. The successful applicant will study the role of some of these proteins in CCR5 expression and function in HIV-1 target cells, and more specifically their effects on viral entry, infectivity, replication and dissemination. This project could shed light on a little-known aspect of CCR5 signaling, understand its role in HIV infection and open new therapeutic perspectives.

Qualifications

We are looking for highly motivated candidates with a PhD and ideally with experience in basic HIV-1 virology and/or pharmacology of chemokine receptors. An expertise in molecular biology is mandatory. Background in cell culture, flow cytometry, protein analysis (ELISA, western-blot), and confocal microscopy would also be appreciated. Strong organizational and communication skills, enthusiasm, autonomy, team spirit and good English writing and speaking capacities are also expected.

To apply

Applications should be sent to Dr Bernard Lagane (bernard.lagane@inserm.fr) including a cover letter, a CV with a publication list, and two references.