TWO YEARS POST-DOCTORAL POSITION AT COCHIN INSTITUTE, PARIS, FRANCE

Project title: Cellular parameters regulating HIV-1 integration

Job offer: A two years postdoctoral position is available, under the supervision of Marc Lavigne from the Pasteur Institute (Paris, France), in the laboratory of “Host-Virus Interactions” of the Cochin Institute (Paris, France). This position is funded by the ANRS and can start fall 2016.

The host team focuses on the mechanisms of HIV-1 integration and its regulation by several parameters of the infected cells. Using in vitro integration assays, established by our team, we have already studied the role of LEDGF/p75 cellular protein, and chromatin structure on the integration process (Botbol et al., 2008; Shun et al., 2008, Lesbats et al., 2011; Morchikh et al., 2013, Naughtin et al., 2015; Benleulmi et al., 2015, Pasi et al., NAR in press). We are now focusing our research on the links between HIV integration and target DNA topology, cellular transcription or nuclear organization around the integration sites. For the development of these projects, the selected applicant will use complementary cellular and in vitro approaches and will benefit from the expertise of the host laboratory in HIV-1 replication, with the access to innovative technologies in virology, cellular biology and epigenetics. The post-doctoral researcher will also collaborate with teams specialized on retroviral integrases (V. Parissi, CNRS, Bordeaux and M. Ruff, IGBMC, Strasbourg) and on nuclear organization (R. Koszul, I. Pasteur, Paris). The proposed projects should establish molecular and mechanistic rules of HIV-1 integration selectivity that could serve in the development of new antiviral strategies.

Qualifications and experience: Applicants will hold a PhD in Biochemistry, Genetics or Virology with an expertise in enzymology, protein-DNA interactions or epigenetics. We encourage applicants motivated in the use of biophysical or genomic approaches. The selected candidate should be an enthusiastic, highly motivated and team-oriented scientist.

Scientific environment: The “Host-Virus Interactions” laboratory belongs to the “Infection, Immunity and Inflammation” department of the Cochin Institute located in the center of Paris. In addition to the scientific environment of this institute, the laboratory has access to extensive research core facilities. Due to the position of Marc Lavigne as permanent scientist of the Pasteur Institute, the recruited fellow will also have access to the scientific environment and technological resources proposed by this institute. See more at: http://www.institutcochin.fr/departments/31/team-berlioz-emiliani and http://www.pasteur.fr/fr/recherche

Contact: Applicants are invited to send a CV with a list of publications, a summary of research experience, a letter of motivation and contact information of three referees to marc.lavigne@pasteur.fr or marc.lavigne@inserm.fr. Informal enquiries are welcome.