



**Research Associate position – Fixed-term post**

**Study of the first events of HIV infection at the mucosal site using fluorescence imaging in nonhuman primates**

*Division of Immuno-Virology, IDMIT Center, Institute of Emerging Diseases and Innovative Therapies, Life Sciences Division, Atomic Energy Commission (Fontenay-aux-Roses)*

Group Head: Roger LE GRAND.

**Overall Purpose:**

A position of research associate is available for 24 months in the Division of Immuno-Virology at the IDMIT Center (Life Sciences Division, Atomic Energy Commission at Fontenay-aux-Roses, France). The research at IDMIT focuses on the development and characterisation of human infections in animal models (HIV, Chikungunya, Dengue, influenza...) using nonhuman primates (NHP) and the assessment of new vaccines and therapeutics against several human pathogens. More specifically, you will work in the team which aims to the development of *in vivo* imaging to characterize the interactions host/pathogens in nonhuman primates.

You will work on a project aiming to provide new *ex vivo* and *in vivo* fluorescence imaging approaches: *i)* to analyze the very first events of HIV/SIV infection at the mucosal site, *ii)* to characterize the role of mucosal dendritic cell (DC) subsets involved in the process of HIV/SIV transmission in NHP models and *iii)* to study the role of different therapeutic antibodies during the different steps of HIV/SIV infection and dissemination in NHP.

**Requirements:** The candidate should have a strong background in immunology and excellent skills in *ex vivo* imaging in tissue explants (confocal microscopy). He/she should have experience in immunofluorescence techniques and expertise in image analysis. An expertise and experience in *in vivo* fluorescence imaging and prior experience working with animal models would be highly appreciated. Self-motivation, ability to work independently, communication skills are an asset.

Applicants should have a PhD with research experience in the fields of immunology and pre-clinical *in vivo* and *ex vivo* fluorescence imaging.

**Application deadline:** Position is open until filled

**Contact:**

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Applicants should email a brief statement of research experience and interest, a CV with references.