



A **postdoctoral position in mucosal immunology** is available in the team “Intestinal infection and immunity” in the research center for immunology of viral infections and autoimmune diseases (**ImVA-IDMIT**) at the CEA, Fontenay-aux-Roses, France, under the supervision of Dr. Mariangela Cavarelli.

Research context and project: A focus of our research is the analysis of innate immune responses to HIV and SIV infection and host-pathogen interaction in the gastrointestinal tract, with the ultimate aim to translate our findings into the clinics. The selected candidate will help to shed light on the role played by a population of intestinal mononuclear phagocytes (MNPs) expressing the fractalkine receptor CX3CR1 during untreated and treated HIV-1/SIV infection. Those cells have emerged as crucial sentinels for the maintenance of intestinal homeostasis and the results obtained by our group indicate that they play a major role in the complex immunological events leading to impaired epithelial barrier, microbial translocation, inflammation and immune activation that characterize HIV-infected subject even under ART treatment. This project will require a wide variety of techniques including multi-parametric flow cytometry, cell culture, transcriptome and microbiota analyses applied to the study of non-human primate cohorts.

Host laboratory: The new research center, ImVA, (directed by Dr Roger Le Grand) brings together more than 100 scientists working on common scientific challenges related to innate and adaptive immunity in the context of viral infections and regulation of autoimmune disorders. ImVA is a mixed research unit (UMR1184) involving CEA, INSERM, Université Paris-Sud and a strong partnership with the Institut Pasteur.

Research programs are supported by outstanding technological platforms (in vivo imaging, cytometry, bio-informatics, non-human primate models, pharmacology, biobanks...).

<http://www.idmitcenter.fr>

The CEA at Fontenay-aux-Roses is close to Paris (15 min by public transportation).

Candidate qualification and selection criteria: We seek highly motivated and enthusiastic postdoctoral fellows, able to work independently with excellent communication skills. Applicants should have

a Ph.D. or similar degree in virology, immunology or a related discipline since less than 3 years. Experience in cell processing, culture and flow cytometry is required. Having worked with big data analysis is an asset. Experience with animal models is a plus, but not a requirement.

Start and Duration of the appointment: During the course of 2022 for 2 years.

Application: Candidates should send their application including CV, a cover letter including a brief description of research accomplishments and list of publications, a recommendation letter and contact of referees into a single PDF file to Mariangela Cavarelli (mariangela.cavarelli@cea.fr). Selected candidates will be contacted for an on-site or video interview. The call is open from now to June 1st 2022. Late applications will be considered until the position is filled.