

Post-doctoral position in innate immunity to arbovirus infections

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Team « Viral trafficking, restriction and innate signaling »
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A two-year post-doctoral position is currently available in the VTRIS team « Viral trafficking, restriction and innate signaling » at IRIM, Montpellier, France. Our team is interested in the interplay between viruses and innate immunity, both at the level of innate immune cells (dendritic cells, macrophages, innate lymphoid cells) and at the level of signaling pathways that are triggered by foreign pattern recognition within cells. We have a particularly strong interest in arboviruses that are spread by mosquitoes, including West Nile, Usutu, Zika and Dengue viruses.

Candidates: We are seeking a highly motivated candidate, with a strong background in virology and/or innate immunity. The applicants are expected to have excellent technical, organization and communication skills. A strong interest in emerging viruses, the ability to perform creative and independent research and self-motivation are essential.

Job information: Funding is available for 2 years by the French agency for research (ANR). Salary will be adjusted depending on experience.

Environment: The applicant will benefit from a highly collaborative and international environment. The host team is part of IRIM, a research center dedicated to research on micro-organisms and immunity. IRIM provides access to state-of-the art platforms and technical support. The institute is located in the beautiful city of Montpellier, in the south of France.

Application: Candidates should send their applications with a complete CV and contact details for 2 referees by email to sebastien.nisole@irim.cnrs.fr

Recent publications from the lab:

- Martin MF et al. Usutu virus uses langerin as a receptor to productively infect Langerhans cells more efficiently than West Nile virus. **BioRxiv**, 2021.
- Maarifi G et al. Alarmin S100A9 restricts retroviral infection by limiting reverse transcription in human dendritic cells. **EMBO J.** 2021.
- Fernandez J et al. Measuring the subcellular compartmentalization of viral infections by protein complementation assay. **PNAS**, 2021.
- Martin MF and al. West Nile Virus restriction in mosquito and human cells: A virus under confinement. **Vaccines**, 2020.
- Maarifi G et al. Langerin (CD207) represents a novel interferon-stimulated gene in Langerhans cells. **Cell Mol Immunol.** 2020.
- Sa Ribero M et al. Interplay between SARS-CoV-2 and the type I interferon response. **PLoS Pathog.** 2020.
- Maarifi G et al. TRIM8 is required for virus-induced IFN response in human plasmacytoid dendritic cells. **Sci Adv.** 2019.
- Fernandez J et al. Transportin-1 binds to the HIV-1 capsid via a nuclear localization signal and triggers uncoating. **Nature Microbiol.** 2019.

