

Séminaire / Seminar

12 février / February 12 (12:00)

1001 boul. Décarie, Bloc E, EM1.3509



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Regulatory T cells in HIV infection: The wearer of many hats

Regulatory T-cells (Tregs) play a pivotal role in the control of immune tolerance and autoimmune diseases. HIV infection is associated with an increase in Treg activation and frequencies. Whether Tregs play a beneficial or detrimental role in HIV infection remains controversial as Tregs can suppress HIV-specific responses contributing to viral persistence, and conversely, can have a beneficial role by reducing deleterious immune activation. Here, the following points will be discussed: (1) various immuno-modulatory roles played by Tregs during HIV/SIV infections, (2) molecular and epigenetic mechanisms involved in the regulation and maintenance of Tregs during HIV infection, and, (3) paradoxical dynamics of circulating versus tissues resident Tregs during HIV/SIV infections.



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