

[DOWNLOAD](#)

HIV Interactions with Dendritic Cells

By Li Wu

Springer-Verlag Gmbh Sep 2012, 2012. Buch. Book Condition: Neu. 246x167x23 mm. Neuware - Studying the mechanisms of HIV-1 interactions with dendritic cells (DCs) is critical to understand HIV pathogenesis and develop more effective interventions against HIV infection and AIDS. DCs perform a pivotal role in the induction and regulation of the adaptive immune response; however, HIV impairs DC function and exploits DCs to spread viral infection to target CD4+ T cells. Interactions between HIV and DCs are of vital importance because DCs are among the first cells to encounter HIV-1 at the mucosal surface. Immature DCs allow productive HIV replication and long-term viral dissemination. As immature DCs traffic to the lymph node, they become mature and are highly proficient at transmitting HIV-1 to CD4+ T cells for efficient viral spread. Thus, DCs can be hijacked by HIV-1 to aid in the initial stages of HIV-1 infection of a host, with roles in establishment of an infection and dissemination of HIV-1 throughout the host. In addition, HIV interactions with DCs alter innate and adaptive immune responses to the virus, which can impair anti-HIV immunity and play an important role in HIV persistence. Furthermore, as professional antigen presenting cells, DCs have been...



[READ ONLINE](#)
[3.99 MB]

Reviews

Extensive information for book fans. It is written in basic words and never hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Otis Wisoky**

This publication is great. It is full of wisdom and knowledge. You will not really feel monotony at any time of the time (that's what catalogs are for relating to when you ask me).

-- **Dr. Everett Dicki DDS**