



Mechanisms of Cell-to-Cell Transfer of HIV-1 toward Myeloid Cells

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Message from the Guest Editors

Myeloid cells, including macrophages and dendritic cells, as well as bone osteoclasts, are cellular targets of **HIV-1** that play crucial roles in the physiopathology of infection as well as in virus dissemination and establishment of persistent virus reservoirs in numerous host tissues. While myeloid cells are poorly infected in vitro by cell-free viruses, cell-to-cell transfer of HIV-1 likely represents the dominant mode of virus dissemination in vivo and may allow for productive infection of these cell types. Thus, studying HIV-1 cell-to-cell transfer mechanisms toward myeloid cells is essential to better understand the pathogenesis of the disease and to prevent establishment of viral reservoirs.

Therefore, for this Special Issue of *Pathogens*, we invite you to submit your contributions in the form of original research articles, reviews, and short communications about cell-to-cell transfer of HIV-1 involving myeloid cells.





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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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