



Diversity and Evolution of HIV and HCV

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Message from the Guest Editor

Human immunodeficiency virus (HIV) and hepatitis C virus (HCV) are two highly variable RNA viruses that cause chronic infections in humans. Although HCV likely preceded the AIDS epidemic by some decades, the global spread of both viruses is a relatively recent event. Nevertheless, since their introduction into the human population, both viruses have greatly diversified. Importantly, millions of individuals have been infected or coinfecting by these two viruses, with corresponding effects on mortality and morbidity. The diversity and genetic structure of HIV and HCV populations has determined their rapid adaptation and spread. HIV and HCV diversity has not only impacted their spread, but also their pathogenesis and therapeutics. Nowadays, there are good antivirals to combat HIV and HCV. However, in the midterm, no vaccines against these two viruses are likely to be available for clinical use. Moreover, HIV has no curative therapy. This Special Issue will focus on how HIV and HCV diversity has impacted the evolution of these viruses as well as on how virus diversity will shape their further spread, pathogenesis, and therapeutics.





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Message from the Editor-in-Chief

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