



Innate Immunity in HIV-1 Infection

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Message from the Guest Editor

Dear colleagues,

This Special Issue delves into the complex interactions between the human immune system and the human immunodeficiency virus (HIV). Despite the efficacy of current anti-HIV drug regimens in controlling transmission and replication, HIV remains a significant global health challenge. The issue focuses on understanding the mechanisms of HIV pathogenesis, its life cycle, latency and available therapeutics. Efforts to eradicate or cure HIV have faced obstacles due to the persistence of latent HIV reservoirs. Additionally, preventive and therapeutic vaccines have encountered limited success due to the adaptability of the virus. Various prophylactic approaches, including microbicides, have struggled to produce desired outcomes. The research presented here aims to uncover insights into immune responses against HIV, identify vulnerabilities in viral replication and develop more effective vaccination strategies for combating the infection.





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Editor-in-Chief

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Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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