



Research on HIV/AIDS Vaccine

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Deadline for manuscript
submissions:

31 May 2026

Message from the Guest Editors

The development and accessibility of highly active antiretroviral treatment (ART) represent a significant step, but suboptimal adherence and drug resistance remain major challenges. Millions of people living with HIV still lack access to ART. Although ART is essential in preventing HIV transmission, alone it cannot end the pandemic. Therefore, developing an HIV vaccine is a global health priority and the only way to put an end to the HIV and AIDS pandemic. This Special Issue highlights recent scientific and technical advancements made in this field, including correlates of protection, immune pathways, mechanisms for addressing ART unmet needs, and recent advances in novel prophylactic and therapeutic vaccines. We invite contributions including original reports, original observations, or reviews to highlight (i) correlates of protection, (ii) immune pathways after primary infection, (iii) mechanisms for addressing ART unmet needs such as persistent viral replication in compartments and reservoirs insensitive to ART, chronic immune activation, and the incomplete restoration of B and T cells, and (iv) recent advances in novel prophylactic and therapeutic vaccines.





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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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