

Special Issue

Viral Infections, Host Immunity and Vaccines

Message from the Guest Editors

The outcome of virus infection and pathogenesis involves a complex virus–host interaction at the cellular level. Host restrictive factors limit viral replication, while viral proteins help the virus evade the host cell's immune response. This Special Issue of *Vaccines*, "Viral Infections, Host Immunity and Vaccines" provides a platform for research studies on virus–host interactions. This includes molecular studies using advanced technologies, in vitro models for virus–host cell interaction, and novel vaccine development platforms for viruses affecting humans and animals. We welcome studies that develop and use in vitro models to understand virus–host cell interactions and invite studies that are focused on novel vaccine development platforms for viruses of both human and animal importance.

Guest Editors

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).