

Special Issue

Recent Developments in Vaccines against Respiratory Pathogens

Message from the Guest Editor

Respiratory tract infections are responsible for millions of deaths annually. Vaccine formulations and policies are constantly updated to provide protection against severe respiratory diseases as RNA viruses continue to evolve. For instance, COVID-19 mRNA vaccines were recommended in the USA in 2022, but these vaccines are being updated to protect against SARS-CoV-2 variants. Specifically, the FDA has approved a monovalent Omicron XBB.1.5 COVID-19 vaccine which targets the current circulating variant. A recently developed COVID-influenza combination vaccine entered Phase 3 clinical trials in 2023. This vaccine was developed to offer dual protection against both influenza and COVID-19 in a single shot, increasing protection during the influenza season. Additionally, in 2023, a maternal RSV vaccine was also approved that is specifically designed to protect women who are 32-36 weeks pregnant during the RSV season. These are all examples of improvements in vaccine safety and effectiveness. We invite scholars developing or evaluating novel vaccine candidates against respiratory pathogens to submit their work to this Special Issue by July 2024.

Guest Editor

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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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Prof. Dr. Ger Rijkers

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