Special Issue

The Recent Development of Influenza Vaccine

Message from the Guest Editor

Despite the increased importance of influenza vaccination in the elderly due to increased morbidity and mortality, vaccine efficacy is only 17–53% versus 70–90% in young adults. Some of the approaches to improve vaccine efficacy in the elderly include high-dose vaccines and use of better adjuvants. Currently, a high-dose influenza vaccine and adjuvanted vaccines have been approved in the US for the elderly, 65 years and older. These influenza vaccines induce elevated hemagglutination inhibition (HAI) titers by enhancing the immunogenicity of vaccines. The efficacy of controlling lung viral replication by vaccination with adjuvants that induce antibodies, CD4 and CD8 T cell responses is desirable. Recent advances in developing universal vaccines that generate immunity against stalk proteins might provide better protection against various strains of influenza virus. We welcome articles that provide the latest developments in the vaccine and novel adjuvants and mechanisms of long-term efficacy studies or review articles in this area for this Special Issue.

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.

Editor-in-Chief

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