

Special Issue

The Recent Development of Influenza Vaccine: 2nd Edition

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. The development of vaccines for an ever-increasing aging population has been an arduous challenge due to immunosenescence. Some approaches to improve vaccine efficacy in the elderly include high-dose vaccines and the use of better adjuvants. Currently, high-dose influenza vaccines and adjuvanted vaccines are approved in the US for people aged 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 antibody, 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.

Guest Editor

Dr. Ramireddy Bommireddy

Department of Pathology and Laboratory Medicine, Emory University, Atlanta, GA, USA

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Vaccines
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vaccines@mdpi.com

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Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

Department of Infectious Diseases, College of Veterinary Medicine,
University of Georgia, Athens, GA 30602-7387, USA

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