

## 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

---

### Deadline for manuscript submissions

closed (31 March 2026)



## Vaccines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/207708](https://mdpi.com/si/207708)

*Vaccines*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[vaccines@mdpi.com](mailto:vaccines@mdpi.com)

[mdpi.com/journal/  
vaccines](https://mdpi.com/journal/vaccines)





# Vaccines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
vaccines](https://mdpi.com/journal/vaccines)



## 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

Prof. Dr. Ger Rijkers

Department of Health, Cognition and Behavior, University College  
Roosevelt, 4331 CB Middelburg, The Netherlands

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Medicine, Research and Experimental) /  
CiteScore - Q1 (Infectious Diseases)

#### Rapid Publication:

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).