

## Special Issue

# Immune Imprinting: Effects, Mechanisms, and Implications for Vaccine Design

### Message from the Guest Editors

We invite you to submit your manuscripts for this Special Issue of *Vaccines*, titled "Immune Imprinting: Effects, Mechanisms, and Implications for Vaccine Design".

Immune imprinting is a complex occurrence that describes how immunity is developed through previous antigen exposure, affecting subsequent immune responses to related antigens. Immune imprinting is exemplified by the antibody response to influenza viruses being influenced by the strains encountered in early life. Therefore, developing an in-depth understanding of immune imprinting can have important implications for vaccine development and pandemic preparedness.

This Special Issue aims to inform vaccine design by highlighting recent advancements in assessing the effects of immune imprinting and clarifying its underlying mechanisms. We welcome original research articles and reviews. Research topics may include, but need not be limited to, immune responses triggered by sequential exposures to varying antigens, such as those related to HIV-1, influenza virus, dengue virus, and SARS-CoV-2.

---

### Guest Editors

Dr. Teng Zuo

Institute of Health and Medical Technology, Hefei Institutes of Physical Science, Chinese Academy of Sciences, Hefei 230031, China

Dr. Hui bin Lv

Department of Biochemistry, University of Illinois at Urbana Champaign, Urbana, IL 61801, USA

---

### Deadline for manuscript submissions

30 June 2026



## Vaccines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/241070](https://mdpi.com/si/241070)

*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).