

Special Issue

Vaccination-Induced Antibody and B Cell Immune Response

Message from the Guest Editor

Specificity, diversity, and memory are three key characteristics of our adaptive immune system. Confronting a world of infectious diseases, B lymphocytes in our immune system provide essential mechanisms of protection. A highly diversified antibody repertoire constructed by V(D)J recombination in mature B cells, high affinity antibodies evolved within germinal center B cells, broadly neutralizing antibodies abundantly secreted by long-lived plasma cells, and immunosurveillance provided by the patrolling memory B cells in the circulation systematically build up the immune defense against numerous infectious pathogens. During the past few decades, research on B cell immunology has led to a revolution in our understanding of B cell development and immunity against infections and vaccinations. In this Special Issue, we focus on the role of B cells and antibodies against various infectious diseases, monoclonal antibody therapeutics, B cells and antibody responses after vaccination, and also the related B cell development, maturation and apoptosis.

Guest Editor

Dr. Qiao Wang

School of Basic Medical Sciences, Shanghai Medical College of Fudan University, No. 131 Dong An Street, Xuhui District, Shanghai 200032, China

Deadline for manuscript submissions

closed (20 May 2025)



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 9.9
Indexed in PubMed



mdpi.com/si/154887

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

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





Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 9.9
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 (Pharmacology (medical))

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).