

Special Issue

The Development of mRNA Vaccines

Message from the Guest Editors

mRNA vaccines have emerged as a transformative platform in modern medicine, demonstrating remarkable success in combating infectious diseases, such as COVID-19 and RSV. This Special Issue aims to explore the latest advancements in mRNA vaccine research, encompassing a wide range of applications, from infectious disease prevention to tumor immunity. Topics of interest include innovative mRNA delivery systems that enhance stability and efficiency, novel vaccine designs targeting emerging pathogens and cancer antigens, and the development of next-generation adjuvants to optimize immune responses. Additionally, we welcome studies addressing manufacturing scalability, regulatory challenges, and strategies to broaden mRNA vaccine accessibility. By showcasing cutting-edge research, this Special Issue seeks to advance the field and inspire new approaches to address global health challenges.

Guest Editors

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Dr. Yuming Li
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Deadline for manuscript submissions

30 September 2026



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/227986

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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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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).