Special Issue

Advances in Vector-Based Immunization: Exploring the Next Horizon of Vaccine Technology

Message from the Guest Editor

Vector-based immunization offers numerous advantages, including the potential to stimulate broader and more robust immune responses, co-deliver multiple antigens from various pathogens, and rapidly adapt to new and evolving infectious agents. This platform is especially crucial when we consider pathogens with high mutation rates or those for which traditional vaccine approaches have been less successful. In view of your deep expertise and commitment to this field, we invite you to contribute an original article, observation, report, or review in order to underscore the following aspects of this field:

- The development of vector vaccines against infectious diseases such as coronavirus, influenza virus, HIV, etc.
- Universal vaccines against pathogens with high mutation rates, such as SARS-CoV-2 and influenza viruses.
- The underlying mechanisms and biology of vector-based immunization.
- Recent successes and failures in the realm of vector-based vaccine candidates.
- Challenges and strategies in circumventing host–vector interactions that may diminish vaccine efficacy.
- The future trajectory of vector-based immunization in addressing global infectious threats.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2025)

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About the Journal

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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.6 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

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