Special Issue

New Technology for Vaccines and Vaccine-Preventable Diseases

Message from the Guest Editor

As infectious diseases continue to evolve and new pathogens emerge, the need for innovative vaccine solutions has never been more pressing. Advances in vaccine technologies not only promise to address longstanding health challenges but also provide new strategies for preventing future pandemics. The integration of artificial intelligence, big data, and other digital technologies into vaccine research opens up unprecedented opportunities for understanding epidemiology, predicting disease outbreaks, and accelerating vaccine design.

- Innovative vaccine technologies: new vaccine platforms and vaccine delivery systems; vaccine efficacy and safety of new vaccines; and vaccines for newly recognized or re-emerging infectious diseases.
- Vaccine distribution and accessibility: improving global vaccine access.
- Immunology of vaccine responses: cellular and humoral immunity in new vaccines.
- Artificial intelligence and big data: applications in vaccine-preventable disease epidemiology, disease prediction, vaccine development, and understanding vaccine-induced immunity.

Guest Editor

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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.

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