# Special Issue

# Innovative Technology in Vaccine Development: Advancing Immunization Strategies

# Message from the Guest Editor

Recent advancements in innovative technologies have transformed vaccine development, allowing for faster, safer, and more effective immunization strategies. Traditional vaccine production methods, such as liveattenuated and inactivated vaccines, have been enhanced and, in some cases, replaced by cutting-edge approaches. For example, mRNA vaccine platformsdemonstrated by the rapid response during the COVID-19 pandemic—offer flexibility, scalability, and precision in antigen expression. Viral vector technologies, nanoparticle-based vaccines, and recombinant protein platforms have improved immunogenicity while ensuring safety. This Special Issue invites original research and review articles on preclinical and clinical advancements in cutting-edge technologies for next-generation vaccines to combat emerging infectious diseases. We also welcome innovative studies that identify novel vaccine targets through advanced computational biology, artificial intelligence, and structural vaccinology, provided they include in vitro and in vivo validation experiments.

#### **Guest Editor**

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# **Deadline for manuscript submissions**

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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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