

Special Issue

Vaccine Development for SARS-CoV-2 and Zoonotic Diseases

Message from the Guest Editors

Modern reverse vaccinology techniques enable the development of a targeted adaptive immune response. Numerous vaccines against human infections have been created using the epitope prediction technique. This involves the creation of a possible vaccine candidate against "Plasmodium vivax" based on the epitope (AMA-1). Such methods have been used, for example, to combat the Ebola virus, Marburg virus, Crimean–Congo hemorrhagic fever virus, and Mokola Rabies virus, which are all human pathogenic viruses. These vaccines are developed using the proteomes of different pathogens. Hence, this demonstrates the capability of proteome-based vaccines and their role in containing diseases. Therefore, the current issue will focus on the development of different vaccines for different diseases using proteins. With these advancements, we welcome the submission of manuscripts on the following aspects:

- Protein-based vaccine design;
- Epitope platform development;
- Improving proteome-based vaccine prediction;
- Proteomics-based mRNA vaccine design;
- Identification and characterization of vaccine targets in the proteomes;
- Development and improvement of current peptide-based vaccines.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2023)



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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

Prof. Dr. Ralph A. Tripp

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