



Vaccine Related Immune Responses

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Message from the Guest Editors

The use of vaccination to prevent infectious diseases was described long before establishing the fundamental dogmas of the immune system. Vaccines activate the immune system and generate memory T and B lymphocytes that "remember" the disease-causing agents. Upon encountering these pathogens later, the immune system will mount a rapid and robust immune response to antigens it has previously experienced, thereby preventing disease or reducing its severity. For most vaccines, more than one dose is necessary to provide long-lasting protection.

Since the advent of recombinant DNA technology, vaccines have become the mainstay of protection against several infectious and non-infectious diseases. How a vaccine stimulates the immune system depends on many factors, such as the nature of the antigens, the route of administration, and the adjuvant present in the vaccines.

This Special Issue aims to collect recent research related to vaccine-related immune responses, including recent advances in mRNA vaccines. We hope to provide a broad overview of how different vaccines work and help understand some new techniques and their utilization in vaccinology.





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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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