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Vaccinal Antibodies: Immunological Methods to Induce Antibody Response

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Message from the Guest Editors

Vaccination is one of the most economical and effective strategies for the prevention and control of important human diseases. The specific antibody response induced by vaccination is an important mechanism for the vaccine to exert its effect. The diversity of strength, breadth and persistence of the antibody response induced by different types of vaccines determine the protective efficacy of each vaccine. The redesign of vaccines via immunological methods can improve the antibody response induced by vaccines; for example, it can improve the immunogenicity of a certain vaccine through the design of virus-like particles, enhance the broadly neutralizing antibody response through the modification of glycosylation on the antigens, improve the immune recognition of the vaccine through the design of new adjuvants, and improve the stability and delivery efficiency of the mRNA vaccines. This Special Issue covers the design of novel vaccines that can induce highly effective antibody responses, including vaccines against various human infectious diseases and tumors, as well as the isolation, screening and identification of monoclonal antibodies induced by these vaccines.

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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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