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Humoral and Cellular Response after Vaccination

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Message from the Guest Editors

Dear Colleagues,

Efficient vaccination relies on inducing a robust adaptive immune response, both cellular and humoral, each playing a specific role in preventing or controlling infection. The challenge in developing an effective vaccine lies in finding the right balance between the different types of immune response required. To evaluate a vaccine, a range of methods have been developed. Immunization markers are constantly evolving, and sometimes newer markers from large data sets, identified through principal component analysis, replace traditional ones. In addition to the polarization of the immune response, the impact of immunization on innate immunity (trained immunity) calls for the use of additional instruments and concepts to assess vaccine effectiveness.

This special issue seeks to provide an overview of the current methodology for evaluating vaccines, from the design phase to clinical trials. The proposed articles aim to offer relevant insights into these concepts in the field of modern vaccination.

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Dr. Iuliana Caras
Guest Editors

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Editor-in-Chief

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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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