

Special Issue

Immune Correlates of Protection in Vaccines

Message from the Guest Editor

Despite tremendous progress in the medical field, infectious diseases and cancers remain the chief culprit, undermining our quality of life. An inadequate understanding of immune responses during viral infections or tumorigenesis dramatically hampers the development of countermeasures. Moreover, a comprehensive characterization of immune correlates of protection will inform our fundamental understanding of pathogenesis and guide vaccine development. Previous vaccine efforts have underscored the crucial roles of both humoral and cellular immunity against viral pathogens and cancers. This Special Issue aims to enrich our current knowledge of immune responses, elicited naturally or by vaccination, and their contribution to protective efficacy. We cordially invite research articles and reviews that investigate branches of immunities. This covers but does not limit to innate immunity, T cell immunity, B cell immunity, humoral immunity, trained immunity and so forth. We hope that these highlights will inform superior next-generation vaccine design.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

Editor-in-Chief

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