

Special Issue

Cancer Vaccine

Message from the Guest Editor

Vaccines have saved millions of people from infectious diseases. Despite advances in immunology and medicine, developing vaccines against cancers is still a challenge for researchers. Recent studies have shown some remarkable steps toward successful development. Vaccines are used to induce antitumor immunity through specific tumor-associated antigens. Cancer cells also express normal cells antigens, which limits therapeutic vaccine development. Targeting tumor-associated antigens and neoantigens on cancer cells is widely used to stimulate effective antitumor immunity in therapeutic vaccine approaches. The tumor microenvironment comprises various immune cells and suppresses tumor antigen expression. In order to target the tumor microenvironment, combined therapeutic approaches using oncolytic viruses, immune checkpoint inhibitors, and adoptive T-cells therapy have been widely employed. This issue will specially focus on cancer vaccine development. Therefore, we welcome research articles as well as review articles, which would provide not only immense knowledge in these topics but also lead to new directions in cancer vaccine research.

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.

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