

Special Issue

Cancer Vaccines: Current Advances, Clinical Applications, and Future Directions

Message from the Guest Editors

Anticancer vaccines represent another approach to tumor immunotherapy. Preventive vaccines, such as anti-HPV or -HBV, proved their efficacy in reducing the risk of cancer development. However, therapeutic vaccines aim to reshape one's immunological profile to increase cytotoxic and anticancer properties to treat an already present tumor. Introducing mRNA, DNA, neoantigens, or stimulated dendritic cells promotes the presentation of cancer antigens, thus enhancing CD8+ T cell-mediated anticancer effects. Implementing anticancer therapeutic vaccines should broaden the treatment potential in cancers with difficulties in developing targeted therapies. Furthermore, it could improve the anticancer activity of other oncological therapeutics or reduce treatment resistance. This Special Issue aims to present original research papers and reviews that provide updates and discuss novel opportunities for anticancer therapeutic vaccines. Manuscripts and reviews in the following research areas are encouraged: nucleic acid vaccines, cellular vaccines, viral vaccines, preclinical and clinical studies, and translational medicine.

Guest Editors

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

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