

Special Issue

Tumor Vaccine Development, Immune-Based Therapies and Immune Markers

Message from the Guest Editors

The significance of immunotherapy in this field is increasing, and the importance of understanding the interaction between tumor cells and the immune system is dramatically growing. A deeper understanding of the multiple immunosuppressive mechanisms leading to tumor escape is paving the way for the development of an incredible number of new immunotherapies. Similarly, the enormous ongoing effort to identify reliable markers of response will enable personalized therapies. Finally, after many disappointing experiences in the past, greater knowledge of the tumor microenvironment and of the immune response mechanisms have improved the expectations which can be placed on anti-tumor vaccines. In combination with the other strategies, including chemotherapy, monoclonal antibodies, radiation therapy, and different immunotherapeutic approaches involving immune checkpoint inhibitor therapy, cancer vaccines will become soon an important new tool in fighting cancer.

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).