

Special Issue

Vaccination or Infection and the Role of T Cells—the Response to Cancer, Autoimmunity or Inflammatory Diseases

Message from the Guest Editor

The roles of T cells in cancer, autoimmune, and inflammatory diseases represent an area of rapidly advancing research, providing crucial insights into immune regulation and disease development. T cells play a key role in regulating immune responses and orchestrating immune reactions through their various subpopulations and adaptable functions. In cancer, T cells can promote anti-tumor immunity, but they can also contribute to tumor immune evasion and resistance to immunotherapy. In autoimmune and inflammatory diseases, imbalanced T-cell responses can lead to persistent inflammation and tissue damage.

Understanding the mechanisms behind T-cell function and dysfunction is critical for developing targeted therapies that regulate T-cell activity, offering promising approaches for treating a range of diseases. For this Special Issue, we request original research, reviews, and studies that deepen our understanding of T-cell biology, their roles in disease, and innovative therapeutic strategies targeting T cells.

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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