



Immune Checkpoint Inhibitor-Based Immunotherapy in Cancer: Predictive Biomarkers and Mechanisms of Resistance

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Message from the Guest Editor

Dear Colleagues,

The use of immune checkpoint inhibitors (ICIs) including anti-PDL-1/PD-1 (Pembroluzimab, nivolumab, atezolizumab, avelumab, durvalumab), and anti-CTL4 (Ipilimumab), has shown promising results in various types of refractory solid and hematological malignancies such as melanoma, lung cancers, leukemia, and lymphoma. To fully exploit the potential of ICIs and uncover why some patients are still refractory to these promising drugs, studies are implemented to understand the molecular and cellular mechanisms related to ICI resistance or efficacy.

This Special Issue aims to address the latest findings related to the use of ICI-based immunotherapy in cancer, including treatment schedule, mechanisms of ICIs resistance, and predictive biomarkers.





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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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