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Cancer Immunotherapy: Focus on Immune Checkpoint Inhibitors and Immune Modulators

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Message from the Guest Editor

Dear Colleagues,

Immune checkpoint inhibitors (ICIs), such as anti-PD-1 antibodies, disrupt interactions between immune checkpoint molecules and their ligands, thereby restoring T-cell-mediated cytotoxicity against tumor cells. ICIs are extensively employed in the treatment of various cancers, offering significant therapeutic benefits to patients. However, their efficacy is often limited. Additionally, current biomarkers for ICI-mediated therapy, including microsatellite instability and PD-L1 expression levels in tumors and lymphocytes, are insufficient for accurately predicting therapeutic outcomes.

This Special Issue focuses on the molecular mechanisms underlying ICI treatment resistance, the identification and validation of biomarkers for predicting ICI efficacy, and strategies for improving ICI efficacy by modulating the tumor microenvironment. Additionally, discussions on preclinical tests involving small-molecule compounds, antibodies, and similar agents are welcome.

Dr. Katsuaki Ieguchi
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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