

Special Issue

Cancer Immunotherapy Using Checkpoint Inhibitors: Future Directions 3.0

Message from the Guest Editor

Immune checkpoints are regulators of the immune system. Checkpoint inhibitor monoclonal antibodies that block CTLA-4 or PD1/PD-L1 have been approved for the treatment of several cancers including melanoma, bladder, and lung cancer. Despite increases in overall survival, not all patients respond to treatment. Approaches to increase survival include the use of new checkpoint inhibitors to regulate T cell responses and other immune effectors, identification of predictive biomarkers, modulators of the immune response, and the use of combination immunotherapies and therapies. This Special Issue will incorporate, but is not limited to, the following sub-topics: Novel checkpoints and inhibitors; Immune checkpoint activators; Immune regulation; Biomarkers predictive of response; Immunomodulatory agents including cytokines; Targeting of innate immunity; Adaptive immunity; Neoantigen targeted therapies; T cell exhaustion; Targeting of immunosuppressive cells; Mechanisms of tumor immune cell evasion; Modulation of the immunosuppressive tumor microenvironment; Targeting Wnt ligand signaling

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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