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Immuno-Monitoring of Cancer Immunotherapy

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Deadline for manuscript
submissions:

closed (22 May 2022)

Message from the Guest Editors

Potential topics include but are not limited to:

Assessment of correlation between immune responses and clinical responses.

Quality control/quality assurance/standardization/harmonization and rigorous validation studies that must be performed to establish proper experimental and analytical immune monitoring methods.

Evaluating the potency of cancer immunotherapy: Regulators of immune responses (regulatory T cells, myeloid-derived suppressor cells, NTK, etc.).

Innate immune responses (NK cell, NKG2D, sMICA).

Immune monitoring for cancer immunotherapy using checkpoint inhibitors: blood-based biomarkers measurements (regulatory T cells, myeloid-derived suppressor cells, neutrophil/lymphocyte ratio, absolute lymphocyte count, ICOS, etc.).

Tumor microenvironment immune monitoring (immunoscore, immune subsets such as M1 and M2, gene expression profiles).

Next-generation immune monitoring technologies: Mass cytometry, microfluidic tools for whole-blood immunoassays of plasma components and functional immunoassays, analysis of T-cell receptor clonotypes of patient PBMCs pre- and post-immunotherapy.



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Special Issue



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Message from the Editor-in-Chief

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