

Special Issue

Immuno-Monitoring of Cancer Immunotherapy

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.

Guest Editors

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Deadline for manuscript submissions

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