

Special Issue

Treatment Resistance and Current Advances in Cancer Immunotherapy

Message from the Guest Editors

Hailed as a breakthrough in cancer treatment, immunotherapy continues to face significant challenges in clinical practice. The first boundary is the lack of accurate biomarkers in predicting the immunotherapy response. Another major issue is the development of resistance mechanisms, which prevent many patients from receiving benefits from immunotherapy. Depending on whether cancer cells are initially responsive to immunotherapy or not, resistance is technically categorized as primary, adaptive and acquired. Moreover, immune-related adverse events (irAEs), further limits the clinical application of immunotherapy. Considering the current state of the art, we are launching this Special Issue with the aim of gathering the latest advancements, challenges and future directions in cancer immunotherapy. Therefore, we warmly invite and encourage cutting-edge research papers and review articles on topics including checkpoint inhibitors, combination therapies, predictive/prognostic biomarkers, the tumor mutational burden and microsatellite instability. Contributions on resistance mechanisms, personalized medicine, vaccine-based immunotherapy and the microbiome are also highly welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/208046

*International Journal of
Molecular Sciences*
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