



Molecular Mechanisms and Therapies of Hematological Tumors

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Message from the Guest Editors

Dear Colleagues,

Hematological malignancies consist of different cancers including leukemias, lymphomas, multiple myeloma, myeloproliferative neoplasms, and myelodysplastic syndromes. Recent advances in sequencing technologies have better defined the genomic landscape of hematological diseases and partially explained the molecular mechanisms underlying the carcinogenesis processes. This led to the development of different target therapies such as IDH inhibitors or BCL2 inhibitors that can be used beyond the standard chemotherapy to target and resolve the complexity of hematological disease and improve patient outcomes. Recently, the pathogenic roles of KMT2A rearrangements have been elucidated and patients characterized by this structural alteration can take advantage from Menin inhibitor use.

This Special Issue aims to explain new insights into genetic and epigenetic alterations, cancer metabolism, target therapies, therapy response, drug resistance and relapse of the disease.





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Message from the Editor-in-Chief

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