

Special Issue

Molecular Mechanisms and Therapies of Hematological Tumors

Message from the Guest Editors

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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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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