Special Issue

Innovative Treatments Based on Genomic Aberrations in Leukemia and Lymphoma

Message from the Guest Editors

Clinical management and risk stratification of leukemia/lymphoma depend largely on hematopathology findings. In the last few decades, testing algorithms have been implemented to support optimal risk-oriented therapy, leading to a large improvement in overall survival. In addition, large-scale genomic studies have identified multiple aberrations of prognostic significance that are not routinely tested by existing modalities. However, as chromosomal microarray analysis (CMA) and next-generation sequencing (NGS) technologies are increasingly used in the clinical management of hematologic malignancies, these abnormalities may be more readily detected. CMA and NGS significantly impact treatment by guiding the selection of targeted therapies, customizing chemotherapy regimens, and facilitating personalized approaches such as immunotherapy and bone marrow transplantation. These technologies allow for more precise treatment planning, ultimately improving efficacy and reducing side effects, while also aiding in monitoring minimal residual disease to predict relapse and adjust therapies accordingly.

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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