

Special Issue

Hematological Malignancies

Message from the Guest Editor

Chronic myelogenous leukemia is the first hematological malignancy for which a drug was devised against the molecular hallmark of the disease. Juvenile myelomonocytic leukemia constitutes an archetype of genetic predisposition to hematological malignancy with specific correlations of genotype–phenotype. Genetic predisposition to myeloid neoplasms provides an additional basis of hematological malignancy classification. Histiocytic syndromes are caused by ‘druggable’ mutations in the RAS-MAPK pathway. Genetic alterations in key molecules of lymphopoiesis are the basis of prognostic stratification in acute lymphoblastic leukemia. Rare subtypes of lymphoma are also carried by specific molecular abnormalities such as anaplastic lymphoma and ALK mutations.

The aim of this issue is to offer an overview of molecular targets in pediatric hematological malignancies and their therapeutic counterpart. Several neoplasms should be covered, and we invite authors to choose topics well beyond acute leukemia.

Guest Editor

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