

Special Issue

Cellular Mechanisms and Therapies of Hematologic Malignancies

Message from the Guest Editors

Hematological malignancies encompass a diverse array of cancers affecting multiple blood lineages. Essentially, hematological malignancies are highly heterogeneous originating in the hematopoietic stem cells in the bone marrow. Globally, leukemia remains the most common form of hematological malignancy. In adults, acute myeloid leukemia (AML) is the most frequently diagnosed form of leukemia, followed by chronic lymphocytic leukemia (CLL). In contrast, ALL remains the most common subtype of the disease in children. Despite advances in treatment, certain subtypes—such as high-risk AML and relapsed or refractory ALL—continue to show poor prognosis and low long-term survival rates. This underscores the critical need to identify subtype-specific cellular pathways and molecular drivers of leukemogenesis.

The purpose of this Special Issue is to highlight recent findings regarding cellular mechanisms across various hematological malignancies with an emphasis on potential clinical translation.

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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