

Special Issue

Leukemia: Present and Future

Message from the Guest Editor

Chronic myeloid leukemia (CML) is a malignancy characterized by the clonal proliferation of white blood cells that mostly originate from the myeloid lineage in bone marrow. Approximately 95% of CML patients are diagnosed at the chronic phase (CP), which is relatively indolent but can involve symptoms such as fatigue, abdominal pain, or weight loss. If untreated, the disease can progress to the accelerated phase (AP), which can last for up to a year, and will eventually progress into the terminal blast phase of the disease, termed the blast crisis (BC). Therefore, in this Special Issue, we invited authors to submit original research and review articles. Topics of this Special Issue include, but are not limited to:

- BCR::ABL1-dependent and BCR::ABL1-independent mechanisms of tyrosine kinase inhibitor (TKI) resistance;
- The development of targeted therapies against specific deregulated pathways, such as the alternative activation of the MAPK, JAK/STAT, or PI3K/AKT pathway and of Wnt/ β -catenin signaling.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)



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Message from the Editor-in-Chief

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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