

## Special Issue

# Genomic Oncology and Medicine in Leukemia: From Molecular Pathogenesis to Novel Therapeutic Approaches

### Message from the Guest Editor

Leukemia is an aggressive hematologic malignancy often characterized by specific genomic alterations. The standard treatment strategy for acute leukemia largely comprises intensive chemotherapy with or without hematopoietic stem cell transplantation. However, long-term survival can be achieved in only up to approximately three-quarters of patients, even in the favorable risk group. Molecular-targeted therapy has had a significant impact on clinical practice, especially for patients with specific genomic abnormalities such as FLT3- and IDH1/2-mutations. In this Special Issue, our focus is on the cutting edge of genomic oncology and precision medicine in leukemia, and the progress from molecular pathogenesis to novel therapeutic approaches.

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### Guest Editor

Dr. Yosuke Minami  
National Cancer Center Hospital East, Kashiwa 277-8577, Chiba, Japan

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### Deadline for manuscript submissions

closed (20 January 2025)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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