

Special Issue

Molecular Mechanisms and Therapies of Myeloid Leukaemia

Message from the Guest Editor

Acute myeloid leukaemia (AML) is the second most frequent haematological malignancy in the paediatric population and remains a leading cause of childhood cancer mortality. In adults AML is rare, increasing in incidence with age, but it is still the most common form of acute leukaemia. Paediatric AML is viewed as a separate disease to adult AML, thought to occur due to single genetic changes that alone are enough to cause AML at a young age. In adults it is thought a lifetime accumulation of genetic alterations leads to the development of disease in later life. In both patient groups, and despite improvements to patient outcomes and associated overall survival (OS) rates they offer, current therapies still have limitations. It is essential, therefore, that we continue to identify new targets for therapy so that we can widen the scope of future treatments and determine their relevance to paediatric and adult leukaemias.

This special issue will focus on the identification and characterisation of the molecular mechanisms that underly AML pathogenesis and new targets for the therapy of this rare and heterogenous disease.

Guest Editor

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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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