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Molecular Mechanisms and Therapies of Myeloid Leukaemia

Guest Editor:

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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 dosease.

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Message from the Editor-in-Chief

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