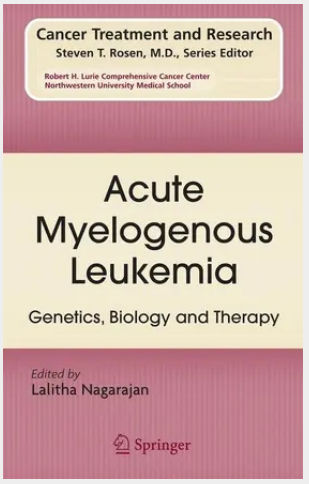
Nagarajan

Acute Myelogenous Leukemia

Genetics, Biology and Therapy



Acute myelogenous leukemia (AML), is the most common form of leukemia in adults. AML is a deadly form of malignancy, the prognosis for which has not improved in the last two decades. More importantly, it is a malignancy that is seen in older adults, therefore the number of cases is likely to rise as the population ages. Over the past 15 years, genetic mechanisms underlying AML have begun to unfold. Additional research in this area has helped identify key components and characteristics. Consequently, targeted therapy of AML is receiving much attention. It is the hope of researchers that as with chronic myelogenous leukemia (CML), and the drug, Gleevec, a targeted therapy for AML will be discovered.

This volume contains a multitude of chapters from pioneers in the area of genetic mechanisms, targeted therapy, biology and mouse models for acute myelogenous leukemia. AML is the most common form of leukemia in adults. It is a deadly form of malignancy, the prognosis for which has not improved in the last two decades. More importantly, it is a malignancy that is seen in older adults, therefore the number of cases is likely to rise as the population ages. Over the past 15 years, genetic mechanisms underlying AML have begun to unfold. Additional research in this area has helped identify key components and characteristics. Consequently, targeted therapy of AML is receiving much attention. It is the hope of researchers that as with chronic myelogenous leukemia (CML), and the drug, Gleevec, a targeted therapy for AML will be discovered. This book adds much to the debate.

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