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	Autore	Sudarshan, E. C. G.
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	Autore	Navakauskiene Ruta
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Nota di contenuto	<p>Introduction -- Epigenetics in Leukemia -- Genetic and Epigenetic Alterations in Leukemia -- Epigenetic Modifiers and Their Inhibitors in Leukemia Treatment -- Chromatin Remodeling during Leukemia Cell Proliferation and Differentiation -- DNA Methylation and Epigenetic Regulation -- Chromatin Functional Regulation by Histone Modification -- Approaches to Epigenetic Treatment of Leukemia -- Proteomics in Leukemia -- Proteome in Leukemic vs. Differentiated Leukemia Cells -- Protein Phosphorylation in Leukemia -- Computational Methods for Proteome Analysis -- 2DE Fractionation and Visualization -- Proteomic Data Processing -- Proteomic Data Analysis -- Image Acquisition and Data Analysis -- Image Acquisition and Data Analysis -- Protein Localization in Leukemia -- Protein Translocation into the Nucleus during Leukemia Cell Differentiation -- Protein Visualization in Leukemic Cells -- Computational Methods for Protein Localization Estimation -- Fluorescent Image Processing -- Fluorescent Image Acquisition and Analysis -- Future Therapy in Leukemia -- Index.</p>
Sommario/riassunto	<p>This book reviews the current state of epigenetics and proteomics of leukemia and introduces the methods that are important to process and evaluate these factors in leukemia. In particular, epigenetic modifiers and their inhibitors in leukemia treatment as well as approaches to the epigenetic treatment of leukemia are covered. Various computational methods for proteome analysis are also described in detail, including 2DE fractionation and visualization, proteomic data processing, image acquisition and data analysis, and more. Protein localization in leukemia is also covered, in addition to the future of leukemia therapy. Epigenetics and Proteomics of Leukemia is an ideal book for advanced biomedical scientists and students, medical doctors and students, bioinformatics and health informatics researchers, computational biologists, structural biologists, systems biologists, and bioengineers.</p>