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Nota di contenuto	Targeting the Zinc-Dependent Histone Deacetylases (HDACs) for Drug Discovery -- Hydroxamic Acid-Containing Peptides in the Study of Histone Deacetylases -- Sirtuin Inhibitors and Activators -- Histone Acetyltransferase Enzymes: From Biological Implications to Most Relevant Inhibitors -- Lysine Methyltransferases and Their Inhibitors -- PRMT Inhibitors -- Lysine-Specific Histone Demethylases 1/2 (LSD1/2) and Their Inhibitors -- Inhibitors of JmjC-Containing Histone Demethylases -- Chemical Compounds Targeting DNA Methylation and Hydroxymethylation -- Applied Biophysics for Bromodomain Drug Discovery -- Methyl-Readers and Inhibitors -- Altered Long Non-coding RNA Expression in Cancer: Potential Biomarkers and Therapeutic Targets? - Acetylation and Methylation in Asthma, COPD, and Lung Cancer -- Structure-Based Design ofEpigenetic Inhibitors -- Experimental Methodologies for Detection and Mapping of Epigenetic DNA Marks -- Advanced Assays in Epigenetics.
Sommario/riassunto	This book presents an authoritative review of the most significant

findings about all the epigenetic targets (writers, readers, and erasers) and their implication in physiology and pathology. The book also covers the design, synthesis and biological validation of epigenetic chemical modulators, which can be useful as novel chemotherapeutic agents. Particular attention is given to the chemical mechanisms of action of these molecules and to the drug discovery prose which allows their identification. This book will appeal to students who want to know the extensive progresses made by epigenetics (targets and modulators) in the last years from the beginning, and to specialized scientists who need an instrument to quickly search and check historical and/or updated notices about epigenetics. .