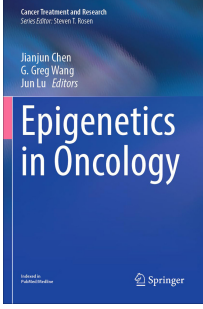


EPIGENETICS IN ONCOLOGY

	Autor: Chen
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DESCRIPTION:

This book addresses Epigenetics in Cancer and covers the most recent advances in RNA/histone/DNA epigenetics in Oncology. RNA/histone/DNA epigenetics have been shown to play pivotal roles in cancer initiation, progression, maintenance and drug response/resistance, tumor microenvironment, cancer stem cell self-renewal, cancer metabolism, and tumor immune evasion. In particular, research in RNA cancer epigenetics has made impressive progress in the last few years.

Individual chapters in Part I (focusing on RNA epigenetics) are devoted to RNA modifications in Cancer Metabolism and Microenvironment, Cancer Stem Cell Biology, Immune Surveillance, Solid Tumors and Tumor Immunity, and Hematopoietic Malignancies, as well as to RNA editing in Cancer. Chapters in Part II and III of the book focus on histone epigenetics and DNA epigenetics, respectively.

By familiarizing readers with the latest developments in this complex and challenging field, the book offers a valuable resource for scientists, graduate students and clinicians alike.

CONTENTS:**RNA Epigenetics**

RNA Modifications in Cancer Metabolism and Tumor Microenvironment

RNA Modifications in Cancer Stem Cell Biology

Recent Advances of RNA m6A Modifications in Cancer Immunoediting and Immunotherapy

Recent Advances in RNA m6A Modification in Solid Tumors and Tumor Immunity

Recent Advances in Adenosine-to-Inosine RNA Editing in Cancer

RNA Modifications in Hematologic Malignancies

Histone Epigenetics

The SWI/SNF Complex: A Frequently Mutated Chromatin Remodeling Complex in Cancer

Histone Readers and Their Roles in Cancer

Polycomb Repressive Complex 2 in Oncology

Epigenetic (De)regulation in Prostate Cancer

DNA Epigenetics

Ten-Eleven-Translocation Genes in Cancer

Inferring the Cancer Cellular Epigenome Heterogeneity via DNA Methylation Patterns

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