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Nota di contenuto	Thymic Stromal Lymphopoietin and Malignancies -- Immunogenic Cancer Cell Death -- Epigenetics in Cancer Biology -- Microenvironment of Normal Looking Tissues Adjacent to Cancer: Matters Arising -- The Paradoxical Role of Immune Response in Cancer Microenvironment -- T Cells and Their Roles in Tumor Microenvironments -- Role of Regulatory Immune Cells in Tumour Microenvironment (TME) -- Exploring the Metabolic Reprogramming of Immune Cells in Tumor Microenvironments -- Innate Lymphoid Cells in Cancer Immunobiology and Immunotherapy -- Tumor-Associated Macrophages and Their Role in Cancer Progression and Treatment Strategies -- Tumor-associated Macrophages in Colorectal Cancer -- Impact of Siglec-Sialic Acid Axis on the Cancer Immune Response --

Mechanisms on Telomere Maintenance in Cancer Cells -- Classification of SNPs, Tips from the Basic Knowledge to the Clinical Outcomes -- The Potential Role of HLA-G on Cancer -- Two Sides of the Same Coin: Genes Involvement in Neurodegeneration and Cancer -- MicroRNA: Exploring Their Multifaceted Role in Cancer -- Role of miRNAs in cancer: Main Therapeutic, Diagnostic, and Oncogenic Features -- LncRNA: Secret Regulators of Cancer Metabolism -- Structure and Function of The H19 Long Non-Coding RNA in Cancer -- Genome Editing: Current Approaches and the Road Ahead in Cancer Research and Therapeutics -- Targeting Epigenetic Readers Using Small Molecule Binders and PROTAC Degradors -- Pharmacogenomics of Cancer Chemotherapy: Transporter Polymorphisms and Drug Response -- Genetic Variants Associated with Morphine Treatment in Cancer.

Sommario/riassunto

The "Cancer Immunology and Genetics: An Interdisciplinary Approach" is the twenty third volume of the "Interdisciplinary Cancer Research" series, publishes comprehensive volume on cancer immunology and genetics. The volume starts with a chapter on thymic stromal lymphopoietin and cancers, followed by other chapters on immunogenic cancer cell death and epigenetics. Tumor microenvironments, innate lymphoid cells, and tumor-associated macrophages are explained in subsequent chapters. Other chapters focus on telomere maintenance in cancer cells, single nucleotide polymorphisms, Human leukocyte antigen, long non-coding RNA, and microRNA as oncogenic features as well as diagnostic and therapeutic approaches. Finally, genome editing, targeting epigenetic readers, and pharmacogenomics of cancer chemotherapy are discussed in the last chapters. This is the main concept of Cancer Immunology Project (CIP), which is a part of Universal Scientific Education and Research Network (USERN). This interdisciplinary book will be of special value for those who wish to have an update on cancer immunology and genetics.
