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Titolo	Cancer Immunology : A Translational Medicine Context // edited by Nima Rezaei
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ISBN	3-030-30845-6
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (XVI, 802 p. 150 illus., 143 illus. in color.)
Disciplina	616.994079
Soggetti	Oncology Immunology Hematology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction on cancer immunology and immunotherapy -- Inflammatory and innate immune cells in cancer microenvironment and progression -- Role of innate immunity in cancers and antitumor response -- Role of B cells in anti tumor response -- The role of exhaustion in tumor-induced T cell dysfunction in patients with cancer -- Regulatory T cells and Th17 cells in the immunosuppressive tumor network -- Role of cytokines in tumor immunity and immune tolerance to cancers -- Role of chemokines and chemokine receptors in cancers -- The role of Fas and Fas-ligand in cancers -- MHC class I molecules and cancer progression: Lessons learned from preclinical tumor models -- Role of plasmacytoid dendritic cells in cancer -- Cancer immunoediting: immunosurveillance, immuneequilibrium, and immune escape -- Apoptosis, autophagy and necroptosis in Cancer -- Prognostic value of innate and adaptive immunity in cancers -- Epigenetics and Micro RNAs in cancers -- Immunogenetics of cancers -- Immunodeficiencies and cancers -- Immunosenescence and cancers -- Nutrition, immunity and cancers -- Allergies and cancers -- Cancer immunology of transmissible cancers -- Systems biology and systems immunology of cancer -- Principles of immunological diagnostic tests for cancers -- Flow cytometry in cancer immunotherapy: applications, analysis, quality control and future -- Immunohistochemistry of

cancers -- Immunology and immunotherapy of graft versus host disease. .

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Sommario/riassunto

This book focusing on the immunopathology of cancers is published as part of the three-volume Springer series Cancer Immunology, which aims to provide an up-to-date, clinically relevant review of cancer immunology and immunotherapy. Readers will find detailed descriptions of the interactions between cancerous cells and various components of the innate and adaptive immune system. The principal focus, however, is very much on clinical aspects, the aim being to educate clinicians in the clinical implications of the latest research and novel developments in the field. In the new edition of this very well received book, first published in 2015, the original chapters have been significantly updated and additional chapters included on, for example, current knowledge on the roles of T-helper cells and NK cells in tumor immunity, the part played by oncoviruses in the development of various cancers, and the applications of fluorescent in situ hybridization, bioluminescence, and cancer molecular and functional imaging. Cancer Immunology: A Translational Medicine Context will be of special value to clinical immunologists, hematologists, and oncologists.

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