

1. Record Nr.	UNINA9910483046003321
Titolo	Cancer Immunology : Bench to Bedside Immunotherapy of Cancers // edited by Nima Rezaei
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-50287-2
Edizione	[2nd ed. 2021.]
Descrizione fisica	1 online resource
Disciplina	616.994079
Soggetti	Oncology Immunology Internal medicine Internal Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontiers in Cancer Immunotherapy -- Novel Strategy of Cancer Immunotherapy: Spiraling Up -- Novel Prognostic Biomarkers for Personalized Cancer Treatments -- Tumor Antigen and Epitope Identification for Pre-Clinical and Clinical Evaluation -- Strategies to Target Tumor Immunesuppression -- Immune Modulation of Drugs in Prevention and Treatment of Cancers -- Overcoming Immune Tolerance With Immune Checkpoint Blockade -- Gene therapy and Virus-Based Cancer Vaccines -- Cancer Stem Cells: Biology and Potential therapeutic Applications -- Hematopoietic Stem Cell Transplantation and Lymphodepletion in Treatment of Cancers -- Combination of Chemotherapy and Cytokine Therapy in Treatment of Cancers -- T Cell Immunotherapy: From Synthetic Biology to Clinical Practice -- Role of Gamma-Delta T Lymphocytes in Cancer Immunosurveillance and Immunotherapy -- Adoptive T Cell therapy: Optimizing Chemokine Receptor-Mediated Homing of T Cells in Cancer Immunotherapy -- Cellular therapy of Cancer With B Effector Cells -- Monoclonal Antibodies for Treatment of Cancers -- Pattern Recognition Receptors in Cancers and Immunotherapy by Triggering or Targeting of Toll Like Receptors Pathway -- Recent Advances in the Use of NK Cells Against Cancer -- Dendritic Cell Vaccines for Cancer Therapy: Fundamentals

and Clinical Trials -- Tumor Associated Macrophages and iNOS in Cancer Immunotherapy -- Photodynamic therapy and Anti-Tumor Immune Response -- Polarization of Tumor Milieu: Therapeutic Implications -- Immunotherapies Targeting 5T4 Oncofoetal Glycoprotein -- Immune Monitoring During Clinical Development of Anti-CTLA-4 Antibody Therapy -- PD-1 Blockade in Cancer Therapy -- New Advances in Radioimmunotherapy for the Treatment of Cancers -- Psychoneuroendocrinoimmunotherapy of Cancers -- Ethical Considerations in Cancer Immunotherapy.

Sommario/riassunto

This translational, clinically oriented book describes in detail novel approaches to cancer immunotherapy, current strategies to target tumor immunosuppression, and prognostic biomarkers for personalized cancer treatments. Since the first, very successful edition of the book was published in 2015, the original chapters have been significantly updated and entirely new chapters are included on, for example, cancer immunoprevention, aptamer-mediated cancer gene therapy, haploidentical bone marrow transplantation for pediatric malignancies, and nanoimmunotherapy. The book 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. Other volumes in the series address the translational medicine context and cancer immunotherapy for organ-specific tumors. Cancer Immunology: Bench to Bedside Immunotherapy of Cancers will be of special value to clinical immunologists, hematologists, and oncologists. .
