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Titolo	Cancer Immunology : Bench to Bedside Immunotherapy of Cancers // edited by Nima Rezaei
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Nota di bibliografia	Includes bibliographical references and 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 book describes in detail the clinical application of novel approaches in cancer immunotherapy with the aim of educating clinicians in the implications of the most recent research and new developments in the field. The scope is broad, encompassing, for example, prognostic biomarkers for personalized cancer treatment, strategies for targeting tumor immunosuppression, gene therapy, virus-based vaccines, targeting of cancer stem cells, hematopoietic stem cell transplantation, the role of T lymphocytes in cancer immunotherapy, use of monoclonal antibodies, and many more innovative approaches. Clinical immunologists, hematologists, and oncologists in particular will find the book to be of value in expanding their knowledge. The book is the second in a three-volume series, Cancer Immunology, which offers an up-to-date review of cancer immunology and immunotherapy. The remaining volumes focus on the immunopathology of cancers and cancer immunotherapy for organ-specific tumors. In total the series, designed for both clinicians and researchers, includes contributions from more than 250 scientists working at leading universities and institutes from across the world.
