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Descrizione fisica	1 online resource (309 pages) : illustrations (some color), tables
Collana	Translational Oncology
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Soggetti	Cancer - Immunotherapy Cancer - Immunological aspects
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Translation in Immunology : the role of translational biomarkers to guide clinical use of immunotherapy for cancer / Saranya Chumsri and Keith L. Knutson -- Monoclonal antibody therapy / Elizabeth A. Mittendorf and Sabitha Prabhakaran -- Somatic mutations and immunotherapy / Eric Tran -- Checkpoint Blockade / Tracy A. Proverbs-Singh, Jedd Wolchok, and Alexandra Snyder -- Myeloid leukemia vaccines / Paul M. Armistead and Jonathan S. Serody -- Cancer vaccines for solid tumors / Timothy J. Vreeland, Garth S. Herbert, and George E. Peoples -- Immunotherapy with non-genetically modified T cells / Cassian Yee -- Immunotherapy with genetically modified T cells / Liora Schultz and Crystal Mackall -- Immunomodulation with adjuvants and cytokines / Dae won Kim and Adi Diab -- Immune cell migration in cancer and immunotherapy / Timothy Murray and Daniel E. Speiser -- Repurposing of drugs for immunotherapy / Jyothishmathi Swaminathan and Vidya Gopalakrishnan -- Immunomodulation with radiation / Jonathan E. Schoenhals, Taylor R. Cushman, Alexandra P. Cadena, Sandra Demaria, and James W. Welsh -- Good manufacturing practices facilities for cellular therapy / Andrew D. Fesnak and Bruce L. Levine -- T cell

receptor mimic antibodies / Gheath Alatrash and Jeffrey J. Molldrem --  
Stem cell transplantation for treatment of malignancy / Lohith S. Bachegowda and Richard E. Champlin -- Natural killer cell-based immunotherapy / Jennifer A. Foltz, Jeffrey S. Miller, and Dean A. Lee -- Immunologic monitoring in immuno-oncology / William R. Gwin and Mary L. Disis -- Cell-based therapies for canine cancer / Nicola J. Mason and M. Kazim Panjwani -- Interaction between targeted therapy and immunotherapy / Peter A. Prieto, Miles C. Andrews, Alexandria P. Cogdill, and Jennifer A. WargoInde.

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#### Sommario/riassunto

"Immunotherapy in Translational Cancer Research is a volume in Translational Oncology, an exciting book series that focuses on translational cancer research. Immunotherapy has become a key aspect in the treatment of a wide variety of cancers, and this book is specifically designed for physicians, clinical fellows, medical students, graduate students, scientists, pharmaceutical executives, public health and public policy government leaders and community oncologists. Each chapter is consistently organized and features three essential themes: Development of the immunotherapy; Hurdles that were overcome to scale up and undertake clinical trials; and Clinical experience and application of research. Concepts, examples and alternative strategies to achieve individualized targeted therapy are presented, with thorough consideration of the relevant history, current state and future directions of emerging cancer-fighting therapies, drug development, clinical trials, and governmental resources and regulatory issues."--Provided by publisher.

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