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Nota di contenuto	Chap. 1 The Dawning of Translational Breast Cancer: from Bench to Bedside -- Chap. 2 Biomarker Studies in Early Detection and Prognosis of Breast Cancer -- Chap. 3 The Preventive Intervention of Hereditary Breast Cancer -- Chap. 4 Predicting and Overcoming Chemotherapeutic Resistance for Breast Cancer -- Chap. 5 Studies on DNA Damage Repair and Precision Radiotherapy for Breast Cancer -- Chap. 6 Targeted Therapies against Growth Factor Signaling in Breast Cancer -- Chap. 7 Targeting Stemness: Implications for Precision Medicine in Breast Cancer -- Chap. 8 Disrupting Tumor Angiogenesis and "the Hunger Games" for Breast Cancer -- Chap. 9 Key Factors in Breast Cancer Dissemination and Establishment at the Bone: Past, Present and Future Perspectives -- Chap. 10 Perspectives of Reprogramming Breast Cancer Metabolism -- Chap. 11 Metabolic Changes during Cancer Cachexia Pathogenesis -- Chap. 12 Cell Cycle Regulation in Treatment of Breast Cancer -- Chap. 13 BRCA Gene Mutations and Poly (ADP-ribose) Polymerase Inhibitors in Triple-negative Breast Cancer -- Chap. 14 Targeting the Epigenome as a Novel Therapeutic Approach for Breast Cancer -- Chap. 15 Progress in Vaccine Therapies for Breast Cancer -- Chap. 16 Tumor Associated Macrophages as Therapeutic Targets for Breast Cancer -- Chap 17 New Approaches in CAR-T Cell

Sommario/riassunto

This book offers a comprehensive introduction to translational efforts in breast cancer, addressing the latest approaches to precision medicine based on the current state of understanding of breast cancer. With the latest developments in breast cancer research, our understanding of the genomic changes and the oncogenic signaling cascade of breast cancer has made considerable strides. Further, the immuno-environment has been demonstrated as the barrier to clinical cancer. As a result of these two trends, a clearer picture of the molecular landscape of breast cancers has facilitated the development of diagnostic, prognostic and predictive biomarkers for clinical oncology. All these aspects are addressed in this volume, which offers a comprehensive resource for researchers, graduate students and oncologists in cancer research. .
