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Titolo	Breast Cancer: From Bench to Personalized Medicine / / edited by Saima Shakil Malik, Nosheen Masood
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ISBN	981-19-0197-X
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Descrizione fisica	1 online resource (534 pages)
Collana	Biomedical and Life Sciences Series
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Soggetti	Cancer Cancer - Epidemiology Cancer - Genetic aspects Cancer Biology Cancer Epidemiology Cancer Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Module 1_Overview of Breast Cancer -- Module 2_Cell and Molecular Biology of Breast Cancer-Diagnosis and Prognosis -- Module 3_Breast Cancer Treatment.
Sommario/riassunto	This book provides detailed information on the etiology, pathogenesis, diagnosis, prognosis, and treatment strategies for breast cancer. The first section of the book presents epidemiology, risk factors, histopathological, immunohistochemistry, and molecular subtypes of breast cancer based on the receptor status. It also discusses the association of breast cancer with other hormone-sensitive cancers. The second section of the book covers cover BRCA1 and BRCA2-associated breast carcinogenesis, early-stage progression of breast cancer, and noninvasive biomarkers for the early detection of breast cancer. It also discusses the role of epigenetic modifications and non-coding RNAs in breast cancer metastasis and explores these as the biomarkers and therapeutic targets for breast cancer therapy. Further, it discusses the role of fibrinolytic mechanisms and circulating tumor cells in breast cancer diagnosis, prognosis, and treatment. The book also provides an update on oral poly(ADP-ribose) polymerase (PARP) inhibitors to treat

breast cancer. Finally, it offers potential new options for personalized therapies for breast cancer patients, including optimizing drug dosage and identifying genetic changes associated with cancer symptom occurrence and severity.