

1. Record Nr.	UNINA9910437828903321
Titolo	Cell and Molecular Biology of Breast Cancer [[electronic resource] /] / edited by Heide Schatten
Pubbl/distr/stampa	Totowa, NJ : , : Humana Press : , : Imprint : Humana, , 2013
ISBN	1-62703-634-2
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (382 p.)
Disciplina	571.6
Soggetti	Cell biology Microscopy Cancer research Cell Biology Biological Microscopy Cancer Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Histopathology and grading of breast cancer -- 2. Multicentric/multifocal breast cancer: overview, biology and therapy -- 3. The immune system in breast cancer initiation and progression: role of epithelial to mesenchymal transition -- 4. Remodeling of the extracellular matrix: implications for cancer -- 5. Biology and treatment of basal-like breast cancer -- 6. Re-excision after lumpectomy for breast cancer -- 7. Novel anti-angiogenic therapies using naturally-occurring and synthetic drugs to combat progesterin-dependent breast cancer -- 8. New insights on estrogen receptor actions in hormone-responsive breast cancer cells by interaction proteomics -- 9. Reprogramming breast cancer cells with embryonic microenvironments: insights from nodal signaling -- 10. Metastatic determinants: breast tumour cells in circulation -- 11. Breast cancer epigenetics: biomarkers and therapeutic potential -- 12. The impact of centrosome abnormalities on breast cancer development and progression with a focus on targeting centrosomes for breast cancer therapy -- 13. A New Perspective on Cyclin D1: beyond cell cycle regulation -- 14. Gene signatures of inflammatory breast cancer:

epithelial plasticity and a cancer stem cell phenotype -- 15. An integrated human mammary epithelial cell culture system for studying carcinogenesis and aging -- 16. New breast cancer treatment considerations – a brief review of the use of genetically modified (attenuated) bacteria as therapy for advanced and metastatic breast cancer.

Sommario/riassunto

Highlighting recent advances in our understanding of breast cancer, this book is intended for a wide audience as a reference book. Included are reviews of genetics, epigenetics, various aspects of cell and molecular biology, and several other areas of breast cancer that are aimed at determining new intervention sites for treatments and cures of the disease. The chapters are written by internationally recognized experts and include reviews of key topics in breast cancer research. Each chapter highlights the new aspects of specific research topics, the various impacts of designing new strategies, and identifies new targets for therapeutic intervention. The topics addressed are selected to be of interest to patients, scientists, students, teachers, and to all who are interested in expanding their knowledge of breast cancer imaging, diagnostics, therapeutics, or basic biomedical research on breast cancer.
