

1. Record Nr.	UNINA9910816521503321
Titolo	Cancer stem cells / / editor, Vinagolu K. Rajasekhar
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , 2014 ©2014
ISBN	1-118-35617-9 1-118-35620-9 1-118-35618-7
Descrizione fisica	1 online resource (578 p.)
Altri autori (Persone)	RajasekharVinagolu K (MSKCC.) Mohamed AminElianna Binte (MSKCC.) BrombergJacqueline (MSKCC.) ChungStephen Shiu-Wah (MSKCC.) KharasMichael (MSKCC.) ParkChristopher Yongchul (MSKCC.) SansonePasquale (MSKCC.)
Disciplina	616.99/402774
Soggetti	Neoplastic Stem Cells
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Machine generated contents note: 1. Cancer Stem Cells - From Identification To IsolationEvolution of Cancer Stem Cell Concept / V.K. Rajasekhar and Piero Dalerba -- MSKCC Epiblast/Germ Line/ Trophoblastic theory of cancer development / Mariusz Z. Ratajczak -- Epithelial Metaplasia-neoplastic transformation / Philippe Delvenne -- Chromothrepsis-Role in Cancer and stem Cells / Peter Campbell -- Cell of Origin in Cancers / Jane E Visvader -- Tumor heterogeneity and correlation to cancer stem cell content / Piero Paolo Di Fiore -- Hypoxic gradients and stem cell distribution and role in cancers / Francesca Pistollato -- Critique on cancer stem cells / Brent A Reynolds and M. Rahman Brent -- Methods in cancer stem cells / V. K. Rajasekhar and Malcolm Moore2. Stemness and Cancer stromaCancer stem cells and Microenvironment / Pradip Roy-Burman -- Reciprocal activation of

cancer cells and cancer stroma-stimulation of stemness / Paola Chiarugi -- Cancer stem cells in organ cancersAML / Craig Jordon and Christopher Park -- Basal Cell Carcinoma K. Sellheyer -- Bladder Cancer / N.P. Mongan Cornell Medical School -- Brain Cancer / Jeremy Rich -- Breast Cancer / Michael Clarke-- Chronic Myeloid Leukemia / Michael Deininger and Brian Druker -- Colon Cancer / John DickGastric Cancer / Deborah Gumucio -- Leukemia / John E. Dick -- Lung Cancer / Carla KimOvarian cancer / Malcolm Moore -- Prostate cancer / Owen Witte and Michael Shen -- Reprogramming and Cancer Stem CellsCancer stem cell generation in vitro / Paola Scaffidi -- Reprogramming of cancer cells / Jia-Lin Lee -- Factors in reprogramming of cancer cells / Masaki Mori and Hideshi Ishii Sarcoma /Breast/Prostate / gor MatushanskyMet /Paolo M. Comoglio and Livio TrusolinoNanog DG. Tang , Jianwu DaiMYC, M. C. Simon BMI-1, Owen WitteLGR5, Masaki Mori5 -- Clinical Relevance and Minimal Residual DiseaseOncogene relevance in cancer stem cells / Isido Sanchez-Garcia GarciaRationale and Strategies of therapeutic targeting of Cancer stem cells / Ruggero De Matia -- Stem cells as emerging platform for antibody therapy / Karen Aboody and Richard Frank -- Mesenchymal stem cells-Chemotherapy resistance / Emile Voest -- Stem Cells and therapeutic guidance in cancers / Emile VoestAcute Myeloid Leukemia / Rajendra Majeti -- Breast Cancer / Max Wicha and Gabriella Dontu -- University of MichiganChronic Myeloid Leukemia (CML) / Michael Deininger and Brian Druker -- Colorectal Cancer / Eduard Batlle(5q) -- Myelodysplasia / Sten Eirik Jacobsen -- Prostate Cancer / V.K. RajasekharPediatric Brain Cancer / Richard Gilbertson -- Rectal Cancer / Markus Frank.

Sommario/riassunto

"Cancer Stem Cells covers a wide range of topics in cancer stem cell biology, including the functional characteristics of cancer stem cells and how they're generated, where they are localized, the means by which cancer stem cells can be targeted, and how cancer stem cells can be reprogrammed back to normal tissue stem cells. Each chapter begins with a brief historical note and concept summary, followed by a description of the latest basic or clinical advance associated with the topic.Cancer Stem Cells builds systematically from coverage of the basic research stage to an advanced research level, from clinical relevance to therapeutic potential, and will be a valuable resource for professionals in the fields of cancer research and stem cell biology"-- Provided by publisher.
