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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Isolation and characterisation of human embryonic stem cells and future applications in tissue engineering therapies / Christian Unger, James Hackland, David Preskey, Harry Moore -- Epigenetics, stem cell pluripotency and differentiation / Maria J. Barrero -- Stem cell niche and microenvironment / Marcio Alvarez-Silva -- Hematopoietic stem cells in therapy / Jos Domen and Jignesh Dalal -- Isolation and identification of neural stem/progenitor cells / Loic P. Deleyrolle and Brent A. Reynolds -- The role of epithelial-mesenchymal transition in cancer metastasis / Paul C. McDonald and Shoukat Dedhar -- Regulation of breast cancer stem cells by mesenchymal stem cells in the metastatic niche / Fayaz Malik, Hasan Korkaya, Shawn G. Clouthier and Max S. Wicha -- Isolation and identification of neural cancer stem/progenitor cells / David Bakhshinyan, Maleeha Qazi, Neha Garg, Chitra Venugopal, Nicole McFarlane and Sheila K. Singh -- Colon stem cells in colorectal cancer / Varun V. Prabhu, Wafik S. El-Deiry and Niklas Finnberg -- Prostate cancer and prostate cancer stem cells / Magdalena E. Buczek, Jerome C. Edwards and Tarik Regad -- Future applications and therapeutics stem cells and pancreatic cancer / Audrey

M. Hendley and Jennifer M. Bailey -- NANOG in cancer development / Bigang Liu, and Dean G. Tang -- Liver cancer stem cells and hepatocarcinogenesis / Hirohisa Okabe, Hiromitsu Hayashi, Takatsugu Ishimoto, Kosuke Mima, Shigeki Nakagawa, Hideyuki Kuroki, Katsunori Imai, Hidetoshi Nitta, Daisuke Hashimoto, Akira Chikamoto, Takatoshi Ishiko, Toru Beppu, and Hideo Baba -- The basic science of liver cancer stem cells and hepatocarcinogenesis / Katherine S. Koch and Hyam L. Leffert -- Cancer stem cells biomarkers / Stefano Zapperi and Caterina AM La Porta -- Interatomic analysis of the stem cell marker NANOG in a prostate cancer setting / Kiran Mall and Graham Ball.

Sommario/riassunto

Principles of Stem Cell Biology and Cancer: Future Applications and Therapeutics Tarik Regad, The John van Geest Cancer Research Centre, Nottingham Trent University, UK, Thomas J. Sayers, Centre for Cancer Research, National Cancer Institute, Frederick, USA and Robert Rees The John van Geest Cancer Research Centre, Nottingham Trent University, UK The field of cancer stem cells is expanding rapidly, with many groups focusing on isolating and identifying cancer stem cell populations. Although some progress has been made developing efficient cancer therapies, targeting cancer stem cells remains o
