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Titolo	'Essentials of Cancer Genomic, Computational Approaches and Precision Medicine // edited by Nosheen Masood, Saima Shakil Malik
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ISBN	981-15-1067-9
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Descrizione fisica	1 online resource (XVIII, 499 p. 59 illus., 50 illus. in color.)
Disciplina	616.994042
Soggetti	Cancer Oncology Medical genetics Bioinformatics Microtechnology Microelectromechanical systems Cancer Biology Medical Genetics Microsystems and MEMS Genètica humana Càncer Oncologia Bioinformàtica Nanotecnologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Module 1_ Introduction -- Module 2_ Cancer Metastasis -- Module 3_ Role of Transcriptomics in cancer treatment strategies -- Module 4_ Computational approaches -- Module 5_ Biostatistics and clinical oncology -- Module 6_ Pharmacogenomics in cancer -- Chapter 7_ Case studies.
Sommario/riassunto	This book concisely describes the role of omics in precision medicine for cancer therapies. It outlines our current understanding of cancer

genomics, shares insights into the process of oncogenesis, and discusses emerging technologies and clinical applications of cancer genomics in prognosis and precision-medicine treatment strategies. It then elaborates on recent advances concerning transcriptomics and translational genomics in cancer diagnosis, clinical applications, and personalized medicine in oncology. Importantly, it also explains the importance of high-performance analytics, predictive modeling, and system biology in cancer research. Lastly, the book discusses current and potential future applications of pharmacogenomics in clinical cancer therapy and cancer drug development.
