1. Record Nr. UNINA9910300077103321

Titolo	Molecular Testing in Cancer / / edited by George M. Yousef, Serge Jothy
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4899-8050-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (437 p.)
Disciplina	610 610724 614.5999 616.07
Soggetti	Pathology Hematology Laboratory medicine Cancer research Laboratory Medicine 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	Transitioning Diagnostic Molecular Pathology to the Genomic Era: Cancer Somatic Mutation Panel Testing -- Conventional and Molecular Cytogenetics in Cancer -- Comparative Genomic Hybridization and Array based CGH in Cancer -- Polymerase Chain Reaction -- Single Nucleotide Polymorphisms (SNPs) -- Clinical Application of DNA Sequencing: Sanger and Next-Generation Platforms -- Microarray-based Investigations in Cancer -- Proteomics in Cancer Diagnostics -- Circulating Tumor Cells: A Non-Invasive Liquid Biopsy in Cancer -- Molecular Testing in Hematological Malignancies -- Molecular Testing in Breast Cancer -- Molecular Pathology of Gastrointestinal Tumors -- Molecular Testing in Pulmonary Tumors -- Molecular testing in Gynecological Malignancies -- Molecular Testing in Central Nervous System tumors -- Molecular Testing in Adult Kidney Tumors -- Molecular Testing in Prostate Cancer -- Molecular Testing in Urothelial Tumors -- Molecular Testing in Thyroid Cancer -- Molecular

	Testing of Head and Neck Tumors -- Molecular Testing in Bone and Soft Tissue Tumors -- Molecular testing in Cutaneous Melanoma -- Molecular Testing in Pediatric Tumors -- Pharmacogenomics in Molecular Oncology -- Quality Assurance in Molecular Testing of Cancer.
Sommario/riassunto	Molecular Testing in Cancer provides a state of the art review of clinically relevant molecular pathology in cancer. The book provides a brief, easy to read review of commonly employed diagnostic molecular techniques including recently developed "next generation" analytic tools, and offers a system-based run-through of the utility of molecular testing in individual cancer types, as well as reviewing current markers in cancer diagnosis, prognosis, and management. The volume also provides a prospective for the future which includes recently characterized and emerging biomarkers. Written by experts in the field, Molecular Testing in Cancer serves as a useful and comprehensive resource for pathologists, hematologists, laboratory technicians and molecular scientists.