

1. Record Nr.	UNINA9910254531203321
Titolo	Molecular Cytopathology // edited by Bin Yang, Jianyu Rao
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-30741-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XI, 293 p. 37 illus. in color.)
Collana	Essentials in Cytopathology, , 1574-9053 ; ; 26
Disciplina	616.07
Soggetti	Pathology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Introduction -- 2. Advantage of molecular testing using cytologic materials -- 3. Validation of molecular techniques in liquid-based specimens -- 4. Establishment of molecular cytology laboratory -- 5. Researches on molecular cytopathology -- 6. Molecular Biomarkers in cervical cytology -- 7. Molecular Biomarkers in thyroid cytology -- 8. Molecular Biomarkers in head and neck cytology -- 9. Molecular Biomarkers in pulmonary cytology -- 10. Molecular Biomarkers in breast cytology -- 11. Molecular Biomarkers in urine cytology -- 12. Molecular Biomarkers in hepatobiliary and pancreatic cytology -- 13. Molecular Biomarkers in mesothelioma and body fluid cytology -- 14. Molecular Biomarkers in soft tissue cytology -- 15. Molecular Biomarkers in brain tumors -- 16. Molecular cytopathology in therapeutic surveillance.
Sommario/riassunto	This book reviews the current application of molecular tools in cytopathology and serves as a concise handbook for those who provide care in this era of personalized medicine. Specifically, the text provides a comprehensive and concise review of the emerging molecular tests available clinically in different organ systems. It reviews the current data of molecular testing already applied in cytopathology, discusses some of the biomarkers with potential utility in cytopathology in the near future and reviews the technical challenges in applying and validating molecular tools in various cytologic materials. Molecular Cytopathology will serve as a valuable resource for cytopathologists,

cytotechnologists, pathology trainees, and clinicians with an interest in molecular applications in cytopathology.
