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Titolo	Molecular Targeted Therapy of Lung Cancer [[electronic resource] /] / edited by Yuichi Takiguchi
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ISBN	981-10-2002-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (X, 327 p. 54 illus., 48 illus. in color.)
Disciplina	616.2
Soggetti	Respiratory organs—Diseases Oncology Molecular biology Pneumology/Respiratory System Oncology Molecular Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Diagnosis -- 1 Classification of adenocarcinoma of the lung - with a special reference to prognosis -- 2 Screening lung cancer with low dose CT combined with molecular markers -- 3 PET-CT, bio-imaging for predicting prognosis and response to chemotherapy in patients with lung cancer -- 4 Methods in molecular diagnosis -- 5 Accurate nodal staging and biomarker testing with endobronchial ultrasound-guided transbronchial needle aspiration -- 6 Next generation sequencing and bioinformatics -- 7 Companion Diagnostics -- Part II Treatment -- 8 Small cell lung cancer and molecular targeted therapy -- 9 Locally advanced non-small cell lung cancer and molecular targeted therapy -- 10 EGFR mutant -- 11 ALK mutant -- 12 Minor-driver mutant -- 13 Mechanism of resistance to targeted molecular therapy -- 14 Immunotherapy -- 15 Lung cancer complicated with interstitial lung diseases -- 16 Management of adverse effects by molecular targeted therapy and immunotherapy -- Part III Evaluation -- 17 Health related-quality of life in molecular targeted therapy -- 18 Gene signature -- Part IV Novel approach -- 19 Targeting epithelial-mesenchymal transition and cancer stem cell- 20

	Targeting the Lung Cancer Microenvironment: Harnessing Host Responses.
Sommario/riassunto	This book discusses the latest molecular targeted therapy of lung cancer including its evaluation and future directions. It clearly illustrates the initial dramatic effectiveness of molecular targeted therapy, recurrence of the disease, overcoming the wide variety of resistance mechanisms using new-generation molecular targeted agents and potential novel approaches. It also outlines the increasing necessity for new diagnostic technology and strategies for managing different adverse effects and novel methods for evaluating effectiveness and safety. Edited and authored by opinion leaders, Molecular Targeted Therapy of Lung Cancer provides a comprehensive overview of the disease and its treatments. It is a valuable resource for graduate students, post-doctoral fellows and faculty staff, as well as researchers involved in clinical and translational research on lung cancer, helping promote new ideas for further advances.