

1. Record Nr.	UNINA9910791533803321
Titolo	Molecular imaging [[electronic resource]] : principles and practice // [edited by] Ralph Weissleder ... [et al.]
Pubbl/distr/stampa	Shelton, Conn., : People's Medical Pub. House, 2009
ISBN	1-60795-123-1
Descrizione fisica	1 online resource (1379 p.)
Altri autori (Persone)	WeisslederRalph
Disciplina	616.07/54
Soggetti	Molecular probes Diagnostic imaging Radioisotope scanning Imaging systems in medicine
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	""Front matter ""; ""Contents""; ""1: General Principles of Molecular Imaging ""; ""2: Imaging of Structure and Function with PET/CT ""; ""3: PET/MRI ""; ""4: SPECT and SPECT/CT ""; ""5: Principles of Micro X-Ray Computed Tomography ""; ""6: Small Animal SPECT, SPECT/CT, and SPECT/MRI ""; ""7: Instrumentation and Methods to Combine Small Animal PET with Other Imaging Modalities ""; ""8: Functional Imaging Using Bioluminescent Markers ""; ""9: Optical Multimodality Technologies ""; ""10: Fiber Optic Fluorescence Imaging ""; ""11: Fluorescence Tomography ""; ""12: Endomicroscopy "" ""13: Intravital Microscopy """"14: Diffuse Optical Tomography and Spectroscopy ""; ""15: Ultrasound ""; ""16: Molecular Photoacoustic Tomography ""; ""17: Optical Projection Tomography ""; ""18: Potential Roles for Retrospective Registration in Molecular Imaging ""; ""19: Chemistry of Molecular Imaging: An Overview ""; ""20: Radiochemistry of PET ""; ""21: Radiochemistry of SPECT: Examples of 99mTc and 111In Complexes ""; ""22: Nanochemistry for Molecular Imaging ""; ""23: Newer Bioconjugation Methods ""; ""24: Targeted Antibodies and Peptides "" ""25: Hyperpolarized 13C Magnetic Resonance Imaging - Principles and Applications """"26: Magnetic Resonance Imaging Agents ""; ""27: Optical Imaging Agents ""; ""28: Ultrasound Contrast Agents ""; ""29:

Multimodality Agents ""; ""30: ""Click Chemistry"": Applications to Molecular Imaging""; ""31: The ""One-Bead-One-Compound"" Combinatorial Approach to Identifying Molecular Imaging Probes ""; ""32: Chemical Biology Approaches to Molecular Imaging""; ""33: Theranostics: Agents for Diagnosis and Therapy ""; ""34: Magnetic Nanoparticles ""
""35: Fluorocarbon Agents for Quantitative Multimodal Molecular Imaging and Targeted Therapeutics """"36: Aptamers for Molecular Imaging ""; ""37: Nonclinical Product Developmental Strategies...""; ""38: Overview of Molecular and Cell Biology ""; ""39: Systems Biology ""; ""40: Protein Engineering for Molecular Imaging""; ""41: Phage Display for Imaging Agent Development ""; ""42: Molecular Imaging of Gene Therapy ""; ""43: Developing Diagnostic and Therapeutic Viral Vectors ""; ""44: Cell Voyeurism Using Magnetic Resonance Imaging ""; ""45: Tumor Vasculature ""; ""46: Imaging Hypoxia ""
""47: Molecular Imaging of Protein-Protein Interactions """"48: Fluorescence Readouts of Biochemistry in Live Cells and Organisms ""; ""49: Imaging of Signaling Pathways ""; ""50: Molecular and Functional Imaging of the Tumor Microenvironment ""; ""51: Novel MR and PET Imaging in the RT Planning and Assessment of Response of Malignant Gliomas""; ""52: PET Diagnosis and Response Monitoring in Oncology ""; ""53: Magnetic Resonance Spectroscopy Treatment Response and Detection ""; ""54: Diffusion MRI: A Biomarker for Early Cancer Treatment Response Assessment ""; ""55: Myocardial Metabolism ""
""56: Congestive Heart Failure ""
