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Nota di contenuto	Intro -- Preface to the Third Edition -- Preface to the Second Edition -- Preface to the First Edition -- Acknowledgments -- Contents -- About the Editors -- Contributors -- Part I: Basic Science -- 1 Cancer Biology of Molecular Imaging -- Introduction -- The Evolving Context of Molecular Imaging: Cancer Genomics and Epigenomics -- Hallmarks of Cancer -- The Tumor Mass -- Imaging the Tumor Mass -- Neovasculature -- Hypoxia -- Cellular Constituents and Cell-Cell Synergism of the Tumor Mass -- Immune Cell Cancer Immunotherapy -- Immune Checkpoint Blockade -- Imaging the Immune T Cells -- The Metastatic Process -- Imaging the Cancer Cell -- Total Lesion Glycolysis (TLG) as a Predictive Marker of Prognosis and Tumor Responsiveness -- Proliferation Imaging -- 18F-FLT Imaging of Proliferation After Chemotherapy -- The Cancer Biology of Cellular Lineage Plasticity and the Nuclear Imaging Phenotype -- Lineage Plasticity and Relevance to Molecular Imaging in Prostate Cancer -- Molecular Imaging of Fibroblast-Activating Protein, a Molecule Expressed in Tumor Stroma -- Oncogene and Non-oncogene Addiction -- Examples of Imaging the Action Driver Mutations in Cancer Cells Indirectly Through the Effects on Metabolism -- BRAF Inhibition in Advanced Melanoma with V600E Mutation -- Inhibition of MEK, a Downstream Signal Transduction Molecule in the RAS/BRAF/ERK

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