

1. Record Nr.	UNINA9910140764003321
Titolo	Tumor microenvironment [[electronic resource] /] / edited by Dietmar W. Siemann
Pubbl/distr/stampa	Hoboken, : Wiley-Blackwell, 2011
ISBN	1-282-82246-2 9786612822469 0-470-66989-6 0-470-66980-2
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (464 p.)
Altri autori (Persone)	SiemannDietmar W
Disciplina	616.99/4071
Soggetti	Cancer cells Carcinogenesis
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	Tumor Microenvironment; Contents; Preface; List of Contributors; 1 The Microenvironment in Cancer; 2 Establishing the Tumor Microenvironment; 3 Contributions of the Extracellular Matrix to Tumorigenesis; 4 Matrix Metalloproteinases and Their Inhibitors - Friend or Foe; 5 Role of Tumor-Associated Macrophages (TAM) in Cancer Related Inflammation; 6 Bone Marrow Stroma and the Leukemic Microenvironment; 7 Microenvironment Factors Influencing Skeletal Metastases; 8 Premetastatic Niches; 9 Hypoxia, Anerobic Metabolism, and Interstitial Hypertension; 10 Hypoxia and the DNA Damage Response 11 Non-Invasive Imaging of the Tumor Microenvironment12 Hypoxia-Inducible Factor 1 (HIF1) Mediated Adaptive Responses in the Solid Tumor; 13 Regulation of the Unfolded Protein Response in Cancer; 14 Influence of Hypoxia on Metastatic Spread; 15 Drug Penetration and Therapeutic Resistance; 16 Impact on Radiotherapy; 17 HIF-1 Inhibitors for Cancer Therapy; 18 Vascular-Targeted Molecular Therapy; Index
Sommario/riassunto	The microenvironment in which a tumor originates plays a critical role in its initiation and progression. Tumor Microenvironment reviews the importance of tumor microenvironment in cancer management.

Particular emphasis is placed on discussing how the unique characteristics of the tumor microenvironment not only impact disease progression and response to conventional anticancer therapies, but have also led to the identification of potential new therapeutic targets and treatment possibilities for cancer patients. Tumor Microenvironment also reviews the fundamental basis of target
