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Altri autori (Persone)	FialhoArsenio ChakrabartyAnanda M. <1938->
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Nota di contenuto	EMERGING CANCER THERAPY; CONTENTS; PREFACE; CONTRIBUTORS; PART I: LIVE/ATTENUATED BACTERIA AND VIRUSES AS ANTICANCER AGENTS; 1: SALMONELLA TYPHIMURIUM MUTANTS SELECTED TO GROW ONLY IN TUMORS TO ERADICATE THEM IN NUDE MOUSE MODELS; 2: THE USE OF LIVING LISTERIA MONOCYTOGENES AS AN ACTIVE IMMUNOTHERAPY FOR THE TREATMENT OF CANCER; 3: BACILLUS CALMETTE-GUERIN(BCG) FOR UROTHELIAL CARCINOMA OF THE BLADDER; 4: LIVE CLOSTRIDIA : A POWERFUL TOOL IN TUMOR BIOTHERAPY; 5: BIFIDOBACTERIUM AS A DELIVERY SYSTEM OF FUNCTIONAL GENES FOR CANCER GENE THERAPY 6: REPLICATION-SELECTIVE VIRUSES FOR THE TREATMENT OF CANCER7: ENGINEERING HERPES SIMPLEX VIRUS FOR CANCER ONCOLYTIC VIROTHERAPY; PART II: BACTERIAL PRODUCTS AS ANTICANCER AGENTS; 8: PROMISCUOUS ANTICANCER DRUGS FROM PATHOGENIC BACTERIA:

RATIONAL VERSUS INTELLIGENT DRUG DESIGN; 9: ARGININE DEIMINASE AND CANCER THERAPY; 10: CYTOSINE DEAMINASE/5-FLUOROCYTOSINE MOLECULAR CANCER CHEMOTHERAPY; 11: BACTERIAL PROTEINS AGAINST METASTASIS; 12: PSEUDOMONAS EXOTOXIN A-BASED IMMUNOTOXINS FOR TARGETED CANCER THERAPY; 13: DENILEUKIN DIFTITOX IN NOVEL CANCER THERAPY 14: THE APPLICATION OF CATIONIC ANTIMICROBIAL PEPTIDES IN CANCER TREATMENT: LABORATORY INVESTIGATIONS AND CLINICAL POTENTIAL 15: PRODIGININES AND THEIR POTENTIAL UTILITY AS PROAPOPTOTIC ANTICANCER AGENTS; 16: FARNESYLTRANSFERASE INHIBITORS OF MICROBIAL ORIGINS IN CANCER THERAPY; 17: THE USE OF RNA AND CpG DNN AS NUCLEIC ACID-BASED THERAPEUTICS; PART III: PATENTS ON BACTERIA/BACTERIAL PRODUCTS AS ANTICANCER AGENTS; 18: THE ROLE AND IMPORTANCE OF INTELLECTUAL PROPERTY GENERATION AND PROTECTION IN DRUG DEVELOPMENT; INDEX

Sommario/riassunto

Explores current and emerging applications of microbes as cancer-fighting agents Today, treatment options for cancer patients typically include surgery, radiation therapy, immunotherapy, and chemotherapy. While these therapies have saved lives and reduced pain and suffering, cancer still takes millions of lives every year around the world. In recent years, researchers have been working on a new strategy: developing microbes and microbial products that specifically attack cancer cells. This book breaks new ground in emerging cancer treatment modalities by presenting recent advances i
