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Nota di contenuto	Chapter 1. Role of chemokines in colorectal cancer -- Chapter 2. Extracellular vesicles in colorectal cancer growth, metastasis, diagnosis and therapy -- Chapter 3. Epigenetic regulation of colorectal cancer (CRC) -- Chapter 4. Mechanistic exploration and therapeutic management of colon cancer metastasis -- Chapter 5. Chemoresistance in colon malignancies -- Chapter 6. Targeting pathogenic inflammation for therapeutic intervention against colon cancer -- Chapter 7. Role of tumor associated macrophages in colon cancer progression and its therapeutic targeting -- Chapter 8. Therapeutic intervention of signaling pathways in colorectal cancer -- Chapter 9. Advances in chemoradiotherapy for treatment of colon cancer -- Chapter 10. Cytotoxic and chemopreventive activity of polyphenols and their derivatives in colon cancer -- Chapter 11. Prevention and management of colon cancer by nutritional intervention

-- Chapter 12. Development of RNA based medicine for colorectal cancer -- Chapter 13. Role of food additives and intestinal microflora in colorectal cancer -- Chapter 14. Probiotics in colon cancer -- Chapter 15. Bacterial cancer therapy -- Chapter 16. Antineoplastic effects of curcumin against colorectal cancer -- Chapter 17. Cyanobacterial secondary metabolite -- Chapter 18. Clinical significance of genetic variants in colon cancer.

Sommario/riassunto

Colorectal cancer (CRC) is a major global health challenge as the third leading cause for cancer related mortalities worldwide. Despite advances in therapeutic strategies, the five-year survival rate for CRC patients has remained the same over time due to the fact that patients are often diagnosed in advanced metastatic stages. Drug resistance is another common reason for poor prognosis. Researchers are now developing advanced therapeutic strategies such as immunotherapy, targeted therapy, and combination nanotechnology for drug delivery. In addition, the identification of new biomarkers will potentiate early stage diagnosis. This book is the third of three volumes on recent developments in colorectal diagnosis and therapy. Each volume can be read on its own, or together. Each volume focuses on different novel therapeutic advances, biomarkers, and identifies therapeutic targets for treatment. Written by leading international experts in the field, coverage addresses the role of diet habits and lifestyle in reducing gastrointestinal disorders and incidence of CRC. Chapters discuss current and future diagnostic and therapeutic options for colorectal cancer patients, focusing on immunotherapeutics, nanomedicine, biomarkers, and dietary factors for the effective management of colon cancer.
