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Soggetti	Oncology Health promotion Epidemiology Medicine Human genetics Metabolic diseases Oncology Health Promotion and Disease Prevention Biomedicine, general Human Genetics Metabolic Diseases
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.
Nota di contenuto	Part I: Life Style, Diet and Cancer: The role of metabolic carcinogenesis in cancer causation and prevention: evidence from the European prospective investigation into cancer and nutrition -- Obesity, energy balance and cancer: a mechanistic perspective -- Fruits and vegetables. Updating the epidemiologic evidence for the WCRF-AICR lifestyle recommendations for cancer prevention -- The diet as a cause of human prostate cancer -- Mediterranean dietary pattern and chronic diseases -- Dietary salt intake and risk of gastric cancer -- Alcoholic

beverages and carbonated soft drinks: consumption and gastrointestinal cancer risks -- Part II: Natural Dietary Molecules: Anti-inflammatory and anti-cancer drugs from nature -- Selenium and cancer: a story that should not be forgotten – Insights from genomics -- Resveratrol: from basic studies to bedside -- Quercetin: a pleiotropic kinase inhibitor against cancer -- Sulforaphane as a promising molecule for fighting cancer -- Part III: Genetics and Epigenetics: Functions, aberrations and advances for chromatin modulation in cancer -- Epigenetics and epidemiology: models of study and examples -- Dietary epigenetics in cancer and aging -- Breast cancer and the importance of early life nutrition -- Part IV: Olive Oil in Cancer Prevention -- Olive oil and other dietary lipids in breast cancer -- A holistic approach to study the effects of natural antioxidants on inflammation and liver cancer -- Extra virgin olive oil: from composition to 'molecular gastronomy' -- Part V: Life Style Prevention of Cancer: Life style prevention of cancer recurrence: the yin and the yang -- Part VI: Emerging Breakthroughs: New perspective for an old antidiabetic drug: metformin as anticancer agent -- Gut microbes, diet and cancer -- Inflammatory angiogenesis and the tumor microenvironment as targets for cancer therapy and prevention -- Nutriomes and personalised nutrition for DNA damage prevention, telomere integrity maintenance and cancer growth control -- Novel approaches in melanoma prevention and therapy -- Concluding remarks.

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#### Sommario/riassunto

This book comprises proceedings from the Third International Conference on Advances in Nutrition and Cancer, held in Naples in May 2012. This highly multidisciplinary meeting analyzed “nutrition and cancer” from different perspectives and on the basis of distinct and up-to-date experimental approaches. Knowledge on the relation between lifestyle, diet, and cancer is explored in a number of contributions, and the role of dietary intervention in cancer patients is discussed. Issues of vital interest to the research community, such as epidemiological and experimental oncology (genetics, epigenetics, and the mechanisms of action of natural compounds in the diet), receive detailed consideration. A further key topic is the emerging molecular technologies (the “omics”) that can cast light on the interplay between nutrition and human malignancies. Chapters take the form of reviews that include sections presenting expert opinions. Advances in Nutrition and Cancer will be an invaluable source of topical information for all researchers and clinicians with an interest in this field.

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