
Contents

Part I Lifestyle, Diet, and Cancer

- The Role of Metabolic Carcinogenesis in Cancer Causation and Prevention: Evidence from the European Prospective Investigation into Cancer and Nutrition** 3
Elio Riboli
- Obesity, Energy Balance, and Cancer: A Mechanistic Perspective.** 21
Stephen D. Hursting
- Fruits and Vegetables: Updating the Epidemiologic Evidence for the WCRF/AICR Lifestyle Recommendations for Cancer Prevention** 35
Teresa Norat, Dagfinn Aune, Doris Chan and Dora Romaguera
- The Diet as a Cause of Human Prostate Cancer** 51
William G. Nelson, Angelo M. DeMarzo and Srinivasan Yegnasubramanian
- Mediterranean Dietary Pattern and Chronic Diseases.** 69
Salvatore Panico, Amalia Mattiello, Camilla Panico and Paolo Chiodini
- Dietary Salt Intake and Risk of Gastric Cancer** 83
Lanfranco D'Elia, Ferruccio Galletti and Pasquale Strazzullo
- Alcoholic Beverages and Carbonated Soft Drinks: Consumption and Gastrointestinal Cancer Risks** 97
Rosario Cuomo, Paolo Andreezzi and Francesco Paolo Zito

Part II Natural Dietary Molecules

- Anti-Inflammatory and Anticancer Drugs from Nature** 123
Barbora Orlikova, Noémie Legrand, Jana Panning, Mario Dicato
and Marc Diederich
- Selenium and Cancer: A Story that Should not be
Forgotten-Insights from Genomics** 145
Catherine Méplan and John Hesketh
- Resveratrol: From Basic Studies to Bedside** 167
Adriana Borriello, Debora Bencivenga, Ilaria Caldarelli,
Annunziata Tramontano, Alessia Borgia, Vincenzo Zappia and
Fulvio Della Ragione
- Quercetin: A Pleiotropic Kinase Inhibitor Against Cancer** 185
Gian Luigi Russo, Maria Russo, Carmela Spagnuolo, Idolo Tedesco,
Stefania Bilotto, Roberta Iannitti and Rosanna Palumbo
- Sulforaphane as a Promising Molecule for Fighting Cancer** 207
Monia Lenzi, Carmela Fimognari and Patrizia Hrelia

Part III Genetics and Epigenetics

- Functions, Aberrations, and Advances for Chromatin
Modulation in Cancer** 227
Mariasosaria Conte and Lucia Altucci
- Epigenetics and Epidemiology: Models of Study and Examples** 241
Karin van Veldhoven, Shati Rahman and Paolo Vineis
- Dietary Epigenetics in Cancer and Aging** 257
Trygve O. Tollefsbol
- Breast Cancer and the Importance of Early Life Nutrition** 269
Karen A. Lillycrop and Graham C. Burdge

Part IV Olive Oil in Cancer Prevention

- Olive Oil and Other Dietary Lipids in Breast Cancer** 289
Eduard Eserich, Montserrat Solanas and Raquel Moral

A Holistic Approach to Study the Effects of Natural Antioxidants on Inflammation and Liver Cancer	311
Susan Costantini, Giovanni Colonna and Giuseppe Castello	
Extra Virgin Olive Oil: From Composition to “Molecular Gastronomy”	325
Raffaele Sacchi, Antonello Paduano, Maria Savarese, Paola Vitaglione and Vincenzo Fogliano	
Part V Life Style Prevention of Cancer	
Life Style Prevention of Cancer Recurrence: The Yin and the Yang	341
Franco Berrino	
Part VI Emerging Breakthroughs	
New Perspective for an Old Antidiabetic Drug: Metformin as Anticancer Agent	355
Alessandra Leone, Elena Di Gennaro, Francesca Bruzzese, Antonio Avallone and Alfredo Budillon	
Gut Microbes, Diet, and Cancer	377
Meredith A. J. Hullar, Andrea N. Burnett-Hartman and Johanna W. Lampe	
Inflammatory Angiogenesis and the Tumor Microenvironment as Targets for Cancer Therapy and Prevention	401
Antonino Bruno, Arianna Pagani, Elena Magnani, Teresa Rossi, Douglas M. Noonan, Anna Rita Cantelmo and Adriana Albini	
Nutriomes and Personalised Nutrition for DNA Damage Prevention, Telomere Integrity Maintenance and Cancer Growth Control.	427
Michael F. Fenech	
Novel Approaches in Melanoma Prevention and Therapy	443
Antonio M. Grimaldi, Pamela B. Cassidy, Sancy Leachmann and Paolo A. Ascierto	
Concluding Remarks	457
Rodolfo Saracci	