

Contents S1/08

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Special: Natural Products and Dietary Prevention of Cancer

Guest Editors: Agnes M. Rimando and Nanjoo Suh

Editorial

Natural Products and Dietary Prevention of Cancer

Agnes M. Rimando and Nanjoo Suh S5

Review

Translating knowledge generated by epidemiological and *in vitro* studies into dietary cancer prevention

Elizabeth H. Jeffery and Anna-Sigrid Keck S7

Review

Anticancer activities of cranberry phytochemicals: An update

Catherine C. Neto, Jon W. Amoroso and Anne M. Liberty S18

Research Article

Fractionation of polyphenol-enriched apple juice extracts to identify constituents with cancer chemopreventive potential

Henriette Zessner, Lydia Pan, Frank Will, Karin Klimo, Jutta Knauff, Regina Niewöhner,
Wolfgang Hümmer, Robert Owen, Elke Richling, Norbert Frank, Peter Schreier,
Hans Becker and Clarissa Gerhauser S28

Research Article

Nutritional calcium modulates colonic expression of vitamin D receptor and pregnane X receptor target genes

Thomas Nittke, Stephan Selig, Enikő Kallay and Heide S. Cross S45



Research Article

Low concentrations of resveratrol inhibit Wnt signal throughput in colon-derived cells: Implications for colon cancer prevention

Christopher Hope, Kestutis Planutis, Marina Planutiene, Mary P. Moyer,
Karanjodh S. Johal, Jaesung Woo, Calista Santoso, Joseph A. Hanson and
Randall F. Holcombe S52

Research Article

Pterostilbene is equally potent as resveratrol in inhibiting 12-*O*-tetra- decanoylphorbol-13-acetate activated NFB, AP-1, COX-2, and iNOS in mouse epidermis

Michał Cichocki, Jarosław Paluszczak, Hanna Szafer, Adriana Piechowiak,
Agnes M. Rimando and Wanda Baer-Dubowska S62



Review**Grape seed proanthocyanidines and skin cancer prevention: Inhibition of oxidative stress and protection of immune system***Santosh K. Katiyar*.....

... S71

Research Article**Thiomethylstilbenes as inhibitors of CYP1A1, CYP1A2 and CYP1B1 activities***Renata Mikstacka, Wanda Baer-Dubowska, Marcin Wieczorek and Stanislaw Sobiak*.....

... S77

Review**Molecular mechanisms of natural products in chemoprevention: Induction of cytoprotective enzymes by Nrf2***Aimee L. Egger, Kelly A. Gay and Andrew D. Mesecar*.....

... S84

Research Article**Olive oil protects rat liver microsomes against benzo(a)pyrene-induced oxidative damages: An *in vitro* study***Kasi Pandima Devi, Perumal Vijayaraman Kiruthiga, Shanmugiahthevar Karutha Pandian, Govindaraju Archunan and Solayan Arun*.....

... S95

**Review****Anticancer and carcinogenic properties of curcumin: Considerations for its clinical development as a cancer chemopreventive and chemotherapeutic agent***Miguel López-Lázaro*..... S103**Review****Direct and indirect antioxidant properties of inducers of cytoprotective proteins***Albena T. Dinkova-Kostova and Paul Talalay*..... S128**Review****Bioavailability issues in studying the health effects of plant polyphenolic compounds***Chung S. Yang, Shengmin Sang, Joshua D. Lambert, and Mao-Jung Lee*..... S139