

Contents 3/09

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Education

An update on products and mechanisms of lipid peroxidation

Claus Schneider 315

Review

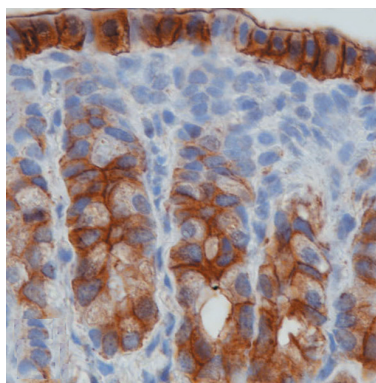
Vascular action of polyphenols

Dilip Ghosh and Arjan Scheepens 322

Research Article

Regulation of β -catenin and connexin-43 expression: Targets for sphingolipids in colon cancer prevention

Kirk W. Simon, Paul C. Roberts, Michael J. Vespremi, Steve Manchen and Eva M. Schmelz 332



Research Article

Docosahexaenoic acid downregulates phenobarbital-induced cytochrome P450 2B1 gene expression in rat primary hepatocytes via the c-Jun NH2-terminal kinase mitogen-activated protein kinase pathway

Chia-Yang Lu, Chien-Chun Li, Kai-Li Liu, Chong-Kuei Lii and Haw-Wen Chen 341

Research Article

The effects of green tea (–)-epigallocatechin-3-gallate on reactive oxygen species in 3T3-L1 preadipocytes and adipocytes depend on the glutathione and 67 kDa laminin receptor pathways

Chih-Ting Wang, Hsin-Huei Chang, Chiao-Hsin Hsiao, Meng-Jung Lee, Hui-Chen Ku, Yu-Jung Hu and Yung-Hsi Kao 349



Research Article

Modulation of the postprandial phase by β -glucan in overweight subjects: Effects on glucose and insulin kinetics

Julie-Anne Nazare, Sylvie Normand, Angeliki Oste Triantafyllou, Aude Brac de la Perrière, Michel Desage and Martine Laville 361

Research Article

Consumption of oat β -glucan with or without plant stanols did not influence inflammatory markers in hypercholesterolemic subjects

Elke Theuvsen, Jogchum Plat and Ronald P. Mensink 370

Research Article**Probiotic bacteria are antagonistic to *Salmonella enterica* and *Campylobacter jejuni* and influence host lymphocyte responses in human microbiota-associated immunodeficient and immunocompetent mice**

Robert Doug Wagner, Shemedia J. Johnson and Dedeh Kurniasih Rubin. 377

Research Article**Influence of a cocoa-enriched diet on specific immune response in ovalbumin-sensitized rats**

Teresa Pérez-Berezo, Emma Ramiro-Puig, Francisco J. Pérez-Cano, Cristina Castellote, Joan Permanyer, Àngels Franch and Margarida Castell. 389

**Research Article****Monodemethylated polymethoxyflavones from sweet orange (*Citrus sinensis*) peel inhibit growth of human lung cancer cells by apoptosis**

Hang Xiao, Chung S. Yang, Shiming Li, Huanyu Jin, Chi-Tang Ho and Trusha Patel. 398

Research Article**Resveratrol analog-3,5,4'-trimethoxy-*trans*-stilbene inhibits invasion of human lung adenocarcinoma cells by suppressing the MAPK pathway and decreasing matrix metalloproteinase-2 expression**

Ya-Ting Yang, Chia-Jui Weng, Chi-Tang Ho and Gow-Chin Yen. 407