

Contents 2/07

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Review

Phytosterols as anticancer compounds

Peter G. Bradford and Atif B. Awad 161

Research Article

Phytoestrogens activate estrogen receptor β 1 and estrogenic responses in human breast and bone cancer cell lines

Brian G. Chrzan and Peter G. Bradford 171



Research Article

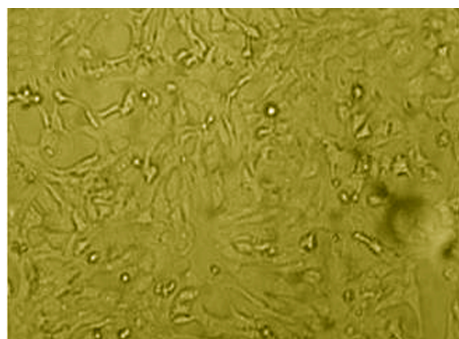
Association of acyl-CoA-binding protein (ACBP) single nucleotide polymorphisms and type 2 diabetes in two German study populations

Eva Fisher, Inke Nitz, Christian Gieger, Harald Grallert, Henning Gohlke, Inka Lindner, Stefan Dahm, Heiner Boeing, Barbara Burwinkel, Wolfgang Rathmann, H.-Erich Wichmann, Jürgen Schrezenmeir, Thomas Illig and Frank Döring 178

Research Article

Candidate gene association study of type 2 diabetes in a nested case-control study of the EPIC-Potsdam cohort – Role of fat assimilation

Eva Fisher, Inke Nitz, Inka Lindner, Diana Rubin, Heiner Boeing, Matthias Möhlig, Jochen Hampe, Stefan Schreiber, Jürgen Schrezenmeir and Frank Döring 185



Research Article

The epidermal growth factor receptor and human topoisomerases represent potential cellular targets of oligomeric procyanidins

Diana Fridrich, Melanie Kern, Jessica Fritz, Gudrun Pahlke, Nils Köhler, Peter Winterhalter and Doris Marko 192

Research Article

Impact of copper on the induction and repair of oxidative DNA damage, poly(ADP-ribosyl)ation and PARP-1 activity

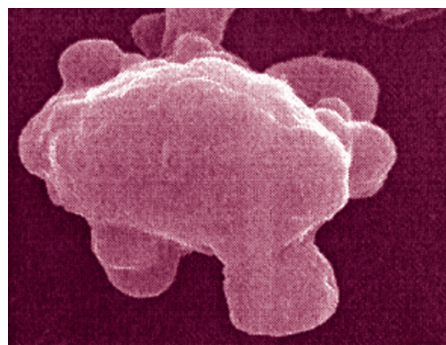
Tanja Schwerdtle, Ingrid Hamann, Gunnar Jahnke, Ingo Walter, Constanze Richter, Jason L. Parsons, Grigory L. Dianov and Andrea Hartwig 201

Review**Fecal water from ileostomic patients consuming oat β -glucan enhances immune responses in enterocytes***Julian D. Ramakers, Julia J. Volman, Maria Björklund,**Gunilla Önning, Ronald P. Mensink and Jogchum Plat*

. . . 211

Research Article**Fatty acids in tea shoots (*Camellia sinensis* (L.) O. Kuntze) and their effects on the growth of retinal RF/6A endothelial cell lines***Julian D. Ramakers, Julia J. Volman, Maria Björklund,**Gunilla Önning, Ronald P. Mensink and Jogchum Plat*

221

**Research Article****Involvement of MAPK, Bcl-2 family, cytochrome *c*, and caspases in induction of apoptosis by 1,6-*O,O*-diacetylbritannilactone in human leukemia cells***Min-Hsiung Pan, Yi-Siou Chiou, An-Chin Cheng, Naisheng Bai, Chih-Yu Lo,**Di Tan and Chi-Tang Ho*

229

Research Article**Acrylamide levels in Finnish foodstuffs analysed with liquid chromatography tandem mass spectrometry***Susanna Eerola, Koen Hollebekkers, Anja Hallikainen and**Kimmo Peltonen*

239

**Research Article****Dose–response feeding study of short chain chlorinated paraffins (SCCPs) in laying hens: Effects on laying performance and tissue distribution, accumulation and elimination kinetics***Karl-Heinz Ueberschär, Sven Dänicke and Siegfried Matthes*

248

Research Article**Proteomic analysis of the major soluble components in Annurca apple flesh***Carmine Guarino, Simona Arena, Luciana De Simone, Chiara**D'Ambrosio, Simona Santoro, Mariapina Rocco, Andrea Scaloni**and Mauro Marra*

255