

# Contents 4/12

## Molecular Nutrition Food Research

Bioactivity & Safety  
Microbiology

Immunology  
Chemistry

### Letter to the Editor

**Comment on ‘Resveratrol in human cancer chemoprevention choosing the ‘right’ dose’**

*Izet M. Kapetanovic* . . . . . 523

### Review

**Role of nutrition and microbiota in susceptibility to inflammatory bowel diseases**

*Liljana Gentschew and Lynnette R. Ferguson* . . . . . 524

### Review

**Do cereal mixed-linked  $\beta$ -glucans possess immune-modulating activities?**

*Anne Rieder and Anne Berit Samuelsen* . . . . . 536

### Research Article

**Trypsin resistance of the major peanut allergen Ara h 6 and allergenicity of the digestion products are abolished after selective disruption of disulfide bonds**

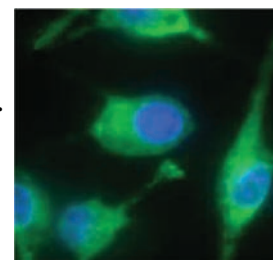
*Stéphane Hazebrouck, Blanche Guillon, Marie-Françoise Drumare, Evelyne Paty, Jean-Michel Wal and Hervé Bernard* . . . . . 548

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

### Research Article

**Flavone deglycosylation increases their anti-inflammatory activity and absorption**

*Gregory Hostetler, Ken Riedl, Horacio Cardenas, Mayra Diosa-Toro, Daniel Arango, Steven Schwartz and Andrea I. Doseff* . . . . . 558



### Research Article

**Nutraceutical-mediated restoration of wild-type levels of *IKBKAP*-encoded IKAP protein in familial dysautonomia-derived cells**

*Sylvia L. Anderson, Bo Liu, Jinsong Qiu, Andrea J. Sturm, Jamie A. Schwartz, Austin J. Peters, Kerry A. Sullivan and Berish Y. Rubin* . . . . . 570

### Research Article

**Green tea (–)-epigallocatechin gallate inhibits IGF-I and IGF-II stimulation of 3T3-L1 preadipocyte mitogenesis via the 67-kDa laminin receptor, but not AMP-activated protein kinase pathway**

*Hui-Chen Ku, Hang-Seng Liu, Pei-Fang Hung, Chia-Lin Chen, Hsien-Chun Liu, Hsin-Huei Chang, Yi-Wei Tsuei, Li-Jane Shih, Ching-Ling Lin, Chih-Ming Lin and Yung-Hsi Kao* . . . . . 580

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

### Research Article

**Study of 5-hydroxymethylfurfural and its metabolite 5-sulfoxymethylfurfural on induction of colonic aberrant crypt foci in wild-type mice and transgenic mice expressing human sulfotransferases 1A1 and 1A2**

*Simone Florian, Morana Bauer-Marinovic, Felicitas Taugner, Gisela Dobbernack, Bernhard H. Monien, Walter Meinel and Hansruedi Glatt* . . . . . 593

#### Research Article

**Cytoprotective effects of hesperetin and hesperidin against amyloid  $\beta$ -induced impairment of glucose transport through downregulation of neuronal autophagy**

Shang-Ming Huang, Shin-Yi Tsai, Jer-An Lin, Chi-Hao Wu and Gow-Chin Yen . . . . . 601

#### Research Article

**Cyanidin-3-O- $\beta$ -glucoside upregulates hepatic cholesterol 7 $\alpha$ -hydroxylase expression and reduces hypercholesterolemia in mice**

Dongliang Wang, Min Xia, Song Gao, Dan Li, Yuan Zhang, Tianru Jin and Wenhua Ling . . . . . 610

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

#### Research Article

**Protective activity of processed tomato products on postprandial oxidation and inflammation: A clinical trial in healthy weight men and women**

Britt Burton-Freeman, Julie Talbot, Eunyoung Park, Sandhya Krishnankutty, and Indika Edirisinghe . . . . . 622

#### Research Article

**Dietary exposure to fumonisins and evaluation of nutrient intake in a group of adult celiac patients on a gluten-free diet**

Chiara Dall'Asta, Alessia Pia Scarlato, Gianni Galaverna, Furio Brighenti and Nicoletta Pellegrini . . . . . 632

#### Research Article

**Regulation of colon gene expression by vitamin B6 supplementation**

Keigo Toya, Atsuko Hirata, Tomomi Ohata, Yohei Sanada, Norihisa Kato and Noriyuki Yanaka . . . . . 641

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

#### Research Article

**Urinary excretion and metabolism of procyanidins in pigs**

Sebastian Rzeppa, Katharina Bittner, Susanne Döll, Sven Dänicke and Hans-Ulrich Humpf . . . . . 653

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

#### Food & Function

**Suppression of DNA damage in human peripheral blood lymphocytes by a juice concentrate: A randomized, double-blind and placebo-controlled trial**

Xiangli Cui, Yu Jin, Udai P. Singh, Alexander A. Chumanevich, Brook Harmon, Philip Cavicchia, Anne B. Hofseth, Venkata Kotakadi, Deepak Poudyal, Brandy Stroud, Suresh R Volate, Thomas G. Hurley, James R. Hebert and Lorne J. Hofseth . . . . . 666

 Supporting information see [www.mnf-journal.com](http://www.mnf-journal.com)

#### Food & Function

**Profile of urinary and fecal proanthocyanidin metabolites from common cinnamon (*Cinnamomum zeylanicum* L.) in rats**

María Luisa Mateos-Martín, Jara Pérez-Jiménez, Elisabet Fugueta and Josep Lluís Torres . . . . . 671