

Molecular Nutrition

- Mutation in porcine Zip4-like zinc transporter is associated with pancreatic zinc concentration and apparent zinc absorption.
F. Siebert, G. Lühken, J. Pallauf & G. Erhardt 969–976
- Supplementation of xanthophylls increased antioxidant capacity and decreased lipid peroxidation in hens and chicks.
Y.-Y. Gao, Q.-M. Xie, J.-Y. Ma, X.-B. Zhang, J.-M. Zhu, D.-M. Shu, B.-L. Sun, L. Jin & Y.-Z. Bi 977–983
- A candidate gene study of one-carbon metabolism pathway genes and colorectal cancer risk.
M. Martinelli, L. Scapoli, G. Mattei, G. Ugolini, I. Montroni, D. Zattoni, G. Rosati & R. Solmi 984–989
- n-3 Fatty acids inhibit transcription of human IL-13: implications for development of T helper type 2 immune responses.
E. MacLean, N. Madsen, H. Vliagoftis, C. Field & L. Cameron 990–1000
- Casein glycomacropeptide in the diet may reduce *Escherichia coli* attachment to the intestinal mucosa and increase the intestinal lactobacilli of early weaned piglets after an enterotoxigenic *E. coli* K88 challenge.
R. G. Hermes, F. Molist, J. F. Pérez, A. G. de Segura, M. Ywazaki, R. Davin, M. Nofrarias, T. K. Korhonen, R. Virkola & S. M. Martín-Orúe 1001–1012

Metabolism and Metabolic Studies

- Investigating the appropriate mode of expressing lysine requirement of fish through non-linear mixed model analysis and multilevel analysis.
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- Highly viscous guar gum shifts dietary amino acids from metabolic use to fermentation substrate in domestic cats.
K. Rochus, G. P. J. Janssens, H. Van de Velde, A. Verbrugghe, B. Wuyts, L. Vanhaecke & M. Hesta 1022–1030

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- Dietary arginine and linear growth: the Copenhagen School Child Intervention Study.
A. J. A. H. van Vught, P. C. Dagnelie, I. C. W. Arts, K. Froberg, L. B. Andersen, B. El-Naaman, A. Bugge, B. M. Nielsen & B. L. Heitman 1031–1039
- The dietary flavonoids naringenin and quercetin acutely impair glucose metabolism in rodents possibly via inhibition of hypothalamic insulin signalling.
C. E. Koch, G. K. Ganjam, J. Steger, K. Legler, S. Stöhr, D. Schumacher, N. Hoggard, G. Heldmaier & A. Tups 1040–1051

Nutritional Immunology

- Effect of dietary supplementation with white button mushrooms on host resistance to influenza infection and immune function in mice.
Y. Xu, L. Na, Z. Ren, J. Xu, C. Sun, D. Smith, S. N. Meydani & D. Wu 1052–1061
- Prevention of soya-induced enteritis in Atlantic salmon (*Salmo salar*) by bacteria grown on natural gas is dose dependent and related to epithelial MHC II reactivity and CD8 α^+ intraepithelial lymphocytes.
O. H. Romarheim, D. L. Hetland, A. Skrede, M. Øverland, L. T. Mydland & T. Landsverk 1062–1070

Nutritional Toxicology

- Toxic effects of dietary hydrolysed lipids: an *in vivo* study on fish larvae.
Ø. Sæle, A. Nordgreen, P. A. Olsvik, J. I. Hjelle, T. Harboe & K. Hamre 1071–1081

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- Long-term vitamin D₃ supplementation is more effective than vitamin D₂ in maintaining serum 25-hydroxyvitamin D status over the winter months.
V. F. Logan, A. R. Gray, M. C. Peddie, M. J. Harper & L. A. Houghton 1082–1088
- Vitamin C supplementation in relation to inflammation in individuals with atrophic gastritis: a randomised controlled trial in Japan.
E. Ma, S. Sasazuki, S. Sasaki, Y. Tsubono, S. Okubo & S. Tsugane 1089–1095
- Beneficial effect of a weight-stable, low-fat/low-saturated fat/low-glycaemic index diet to reduce liver fat in older subjects.
K. M. Utzschneider, J. L. Bayer-Carter, M. D. Arbuckle, J. M. Tidwell, T. L. Richards & S. Craft 1096–1104
- Effect of sex and gestational age on neonatal body composition.
L. Simon, P. Borrego, D. Darmaun, A. Legrand, J.-C. Rozé & A. Chauly-Frondas 1105–1108
- Mandatory fortification of bread with iodised salt modestly improves iodine status in schoolchildren.
S. A. Skeaff & E. Lonsdale-Cooper 1109–1113

Dietary Surveys and Nutritional Epidemiology

- Type of milk feeding in infancy and health behaviours in adult life: findings from the Hertfordshire Cohort Study.
S. Robinson, G. Ntani, S. Simmonds, H. Syddall, E. Dennison, A. A. Sayer, D. Barker, C. Cooper & the Hertfordshire Cohort Study Group 1114–1122
- Long-term tracking of plasma phospholipid fatty acid concentrations and their correlation with the dietary intake of marine foods in newly diagnosed diabetic patients: results from a follow-up of the HUNT Study, Norway.
M. Lindberg, K. Midtjell & K. S. Bjerve 1123–1134
- The association between dairy product consumption and cognitive function in the National Health and Nutrition Examination Survey.
K. M. Park & V. L. Fulgoni III 1135–1142
- High intakes of protein and processed meat associate with increased incidence of type 2 diabetes.
U. Ericson, E. Sonestedt, B. Gullberg, S. Hellstrand, G. Hindy, E. Wirfält & M. Orho-Melander 1143–1153

Behaviour, Appetite and Obesity

- Breast-feeding duration: influence on taste acceptance over the first year of life.
C. Schwartz, C. Chabanet, C. Laval, S. Issanchou & S. Nicklaus 1154–1161