

**Short Communication**

- Nutritional hepatic iron overload is not prevented by parenteral hepcidin substitution therapy in mice.  
T. Sillerova, J. Zivny, D. Vyoral & J. Petrak 1723–1725

**Molecular Nutrition**

- Dietary silk protein, sericin, improves epidermal hydration with increased levels of filaggrins and free amino acids in NC/Nga mice.  
H. Kim, Y.-j. Lim, J.-H. Park & Y. Cho 1726–1735
- Zinc modifies the effect of phyto-oestrogens on osteoblast and osteoclast differentiation *in vitro*.  
S. Karieb & S. W. Fox 1736–1745
- Supplementation of xanthophylls decreased proinflammatory and increased anti-inflammatory cytokines in hens and chicks.  
Y.-Y. Gao, Q.-M. Xie, L. Jin, B.-L. Sun, J. Ji, F. Chen, J.-Y. Ma & Y.-Z. Bi 1746–1755

**Metabolism and Metabolic Studies**

- Dose–response effects of an antimicrobial peptide, a cecropin hybrid, on growth performance, nutrient utilisation, bacterial counts in the digesta and intestinal morphology in broilers.  
L.-F. Wen & J.-G. He 1756–1763
- A high-fat diet containing whole walnuts (*Juglans regia*) reduces tumour size and growth along with plasma insulin-like growth factor 1 in the transgenic adenocarcinoma of the mouse prostate model.  
P. A. Davis, V. T. Vasu, K. Gohil, H. Kim, I. H. Khan, C. E. Cross & W. Yokoyama 1764–1772
- Beneficial effects of combined olive oil ingestion and acute exercise on postprandial TAG concentrations in healthy young women.  
C. Sasahara, S. F. Burns, M. Miyashita & D. J. Stensel 1773–1779
- Resistance exercise enhances myofibrillar protein synthesis with graded intakes of whey protein in older men.  
Y. Yang, L. Breen, N. A. Burd, A. J. Hector, T. A. Churchward-Venne, A. R. Josse, M. A. Tarnopolsky & S. M. Phillips 1780–1788
- Dietary strawberry powder reduces blood glucose concentrations in obese and lean C57BL/6 mice, and selectively lowers plasma C-reactive protein in lean mice.  
M. A. Parelman, D. H. Storms, C. P. Kirschke, L. Huang & S. J. Zunino 1789–1799

**Developmental Biology**

- Safety evaluation of vitamin A in growing dogs.  
P. J. Morris, C. Salt, J. Raila, T. Brenten, B. Kohn, F. J. Schweigert & J. Zentek 1800–1809

**Nutritional Endocrinology**

- Glycaemic, insulin and ghrelin responses to traditional South Asian flatbreads in diabetic and healthy subjects.  
K. I. Khawaja, A. Fatima, S. A. Mian, U. Mumtaz, A. Moazzum, M. Ghias & F. Masud 1810–1817

**Nutritional Immunology**

- β2-1 Fructans have a bifidogenic effect in healthy middle-aged human subjects but do not alter immune responses examined in the absence of an *in vivo* immune challenge: results from a randomised controlled trial.  
A. R. Lomax, L. V. Y. Cheung, K. M. Tuohy, P. S. Noakes, E. A. Miles & P. C. Calder 1818–1828

- Treatment with Selemax<sup>®</sup>, a selenium-enriched yeast, ameliorates experimental arthritis in rats and mice.  
A. T. Vieira, K. D. Silveira, M. C. C. Arruda, C. T. Fagundes, J. L. Gonçalves, T. A. Silva, M. J. Neves, M. A. B. C. Menezes, J. R. Nicoli, M. M. Teixeira & F. S. Martins 1829–1838

**Microbiology**

- Human milk oligosaccharides reduce *Entamoeba histolytica* attachment and cytotoxicity *in vitro*.  
E. Jantscher-Krenn, T. Lauwaet, L. A. Bliss, S. L. Reed, F. D. Gillin & L. Bode 1839–1846

**Human and Clinical Nutrition**

- Xylo-oligosaccharide (XOS) in combination with inulin modulates both the intestinal environment and immune status in healthy subjects, while XOS alone only shows prebiotic properties.  
J.-M. Lecerf, F. Dépeint, E. Clerc, Y. Dugenet, C. N. Niamba, L. Rhazi, A. Cayzele, G. Abdelnour, A. Jaruga, H. Younes, H. Jacobs, G. Lambrey, A. M. Abdelnour & P. R. Pouillart 1847–1858
- Association of the fat mass and obesity-associated (*FTO*) gene variant (rs9939609) with dietary intake in the Finnish Diabetes Prevention Study.  
T. Lappalainen, J. Lindström, J. Paananen, J. G. Eriksson, L. Karhunen, J. Tuomilehto, M. Uusitupa & for the Finnish Diabetes Prevention Study Group 1859–1865
- Vitamin D<sub>3</sub> and the risk of CVD in overweight and obese women: a randomised controlled trial.  
A. Salehpour, F. Shidfar, F. Hosseinpanah, M. Vafa, M. Razaghi, A. Hoshiarrad & M. Gohari 1866–1873

**Dietary Surveys and Nutritional Epidemiology**

- Adequacy of usual dietary intake and nutritional status among pregnant women in the context of nutrition transition: the DEPOSIT Study.  
K. Abu-Saad, D. R. Shahr, D. Fraser, H. Vardi, M. Friger, A. Bolotin & L. S. Freedman 1874–1883
- A score that verifies adherence to a gluten-free diet: a cross-sectional, multicentre validation in real clinical life.  
F. Biagi, P. I. Bianchi, A. Marchese, L. Trotta, C. Vattiato, D. Balduzzi, G. Brusco, A. Andrealli, F. Cisarò, M. Astegiano, S. Pellegrino, G. Magazzù, C. Klersy & G. R. Corazza 1884–1888
- Determinants of plasma 25-hydroxyvitamin D and development of prediction models in three US cohorts.  
K. A. Bertrand, E. Giovannucci, Y. Liu, S. Malspeis, A. H. Eliassen, K. Wu, M. D. Holmes, F. Laden & D. Feskanich 1889–1896
- Sources of dietary protein and risk of hypertension in a general Dutch population.  
W. Altorf-van der Kuil, M. F. Engberink, J. M. Geleijnse, J. M. A. Boer & W. M. M. Verschuren 1897–1903
- Evaluation of flavonoids and enterolactone in overnight urine as intake biomarkers of fruits, vegetables and beverages in the Inter99 cohort study using the method of triads.  
K. S. Krogholm, A. Bysted, A. L. Brantsæter, J. Jakobsen, S. E. Rasmussen, L. Kristoffersen & U. Toft 1904–1912