

Molecular Nutrition

- MicroRNA-130b and microRNA-374b mediate the effect of maternal dietary protein on offspring lipid metabolism in Meishan pigs.
S. Pan, Y. Zheng, R. Zhao & X. Yang 1731–1738
- Inflammation-induced by lipopolysaccharide does not prevent the vitamin A and retinoic acid-induced increase in retinyl ester formation in neonatal rat lungs.
L. Wu & A. Catharine Ross 1739–1745
- Blueberry intervention improves vascular reactivity and lowers blood pressure in high-fat-, high-cholesterol-fed rats.
A. Rodriguez-Mateos, A. Ishisaka, K. Mawatari, A. Vidal-Diez, Jeremy P. E. Spencer & J. Terao 1746–1754
- Male mice that lack the G-protein-coupled receptor GPR41 have low energy expenditure and increased body fat content.
M. Bellahcene, J. F. O'Dowd, Ed. T. Wargent, M. S. Zaibi, D. C. Hislop, R. A. Ngala, D. M. Smith, M. A. Cawthorne, C. J. Stocker & Jonathan R. S. Arch 1755–1764

Metabolism and Metabolic Studies

- Net transfer of nutrients to the duodenum and disappearance of *n*-alkanes in the reticulo-rumen and the hindgut of sheep fed grass/legume combinations.
A. Keli, G. Olmos, A. de Vega & José A. Guada 1765–1778
- The prebiotic effect of *Anoectochilus formosanus* and its consequences on bone health.
L.-C. Yang, J.-B. Wu, T.-J. Lu & W.-C. Lin 1779–1788
- Phaseolus vulgaris* extract affects glycometabolic and appetite control in healthy human subjects.
A. Spadafranca, S. Rinelli, A. Riva, P. Morazzoni, P. Magni, S. Bertoli & A. Battezzati 1789–1795

Development Biology

- Effects of dietary DHA and α -tocopherol on bone development, early mineralisation and oxidative stress in *Sparus aurata* (Linnaeus, 1758) larvae.
M. S. Izquierdo, M. Scolamacchia, M. Betancor, J. Roo, M. J. Caballero, G. Terova & P. E. Witten 1796–1805

Nutritional Endocrinology

- Beneficial effect of genistein on lowering blood pressure and kidney toxicity in fructose-fed hypertensive rats.
N. Palanisamy & A. C. Venkataraman 1806–1812

Nutritional Immunology

- A bovine whey protein extract can induce the generation of regulatory T cells and shows potential to alleviate asthma symptoms in a murine asthma model.
J.-H. Chen, P.-H. Huang, C.-C. Lee, P.-Y. Chen & H.-C. Chen 1813–1820
- n*-3 Long-chain PUFA reduce allergy-related mediator release by human mast cells *in vitro* via inhibition of reactive oxygen species.
Lieke W. J. van den Elsen, Y. Nusse, M. Balvers, F. A. Redegeld, E. F. Knol, J. Garssen & Linette E. M. Willemsen 1821–1831

Human and Clinical Nutrition

- Human bioavailability of flavanols and phenolic acids from cocoa-nut creams enriched with free or microencapsulated cocoa polyphenols.
P. Vitaglione, R. Barone Lumaga, R. Ferracane, S. Sellitto, J. R. Morelló, J. Reguant Miranda, E. Shimoni & V. Fogliano 1832–1843
- Extra-virgin olive oil consumption improves the capacity of HDL to mediate cholesterol efflux and increases ABCA1 and ABCG1 expression in human macrophages.
O. Helal, H. Berrougui, S. Loued & A. Khalil 1844–1855
- Immunoprotective effects of oral intake of heat-killed *Lactobacillus pentosus* strain b240 in elderly adults: a randomised, double-blind, placebo-controlled trial.
S. Shinkai, M. Toba, T. Saito, I. Sato, M. Tsubouchi, K. Taira, K. Kakumoto, T. Inamatsu, H. Yoshida, Y. Fujiwara, T. Fukaya, T. Matsumoto, K. Tateda, K. Yamaguchi, N. Kohda & S. Kohno 1856–1865
- Cholesterol-lowering efficacy of *Lactobacillus plantarum* CECT 7527, 7528 and 7529 in hypercholesterolaemic adults.
M. C. Fuentes, T. Lajo, J. M. Carrión & J. Cuñé 1866–1872

Dietary Surveys and Nutritional Epidemiology

- Validation of FFQ-based assessment of dietary lignans compared with serum enterolactone in Swedish women.
Y. Lin, A. Wolk, N. Håkansson, J. L. Peñalvo, J. Lagergren, H. Adlercreutz & Y. Lu 1873–1880
- Dietary patterns obtained through principal components analysis: the effect of input variable quantification.
Andrew D. A. C. Smith, P. M. Emmett, P. K. Newby & K. Northstone 1881–1891
- Slow pace of dietary change in Scotland: 2001–9.
W. L. Wrieden, J. Armstrong, A. Sherriff, A. S. Anderson & K. L. Barton 1892–1902
- Fractional urinary fluoride excretion of 6–7-year-old children attending schools in low-fluoride and naturally fluoridated areas in the UK.
F. V. Zohoori, R. Walls, L. Teasdale, D. Landes, I. N. Steen, P. Moynihan, N. Omid & A. Maguire 1903–1909

Innovative Techniques

- Agreement of bioelectrical impedance with dual-energy X-ray absorptiometry and MRI to estimate changes in body fat, skeletal muscle and visceral fat during a 12-month weight loss intervention.
K. H. Pietiläinen, S. Kaye, A. Karmi, L. Suojanen, A. Rissanen & K. A. Virtanen 1910–1916
- Practical utility and reliability of whole-room calorimetry in young children.
X. Janssen, D. Cliff, A. D. Okely, R. A. Jones, M. Batterham, U. Ekelund, S. Brage & J. J. Reilly 1917–1922