

**Short Communication**

Impact of perinatal prebiotic consumption on gestating mice and their offspring: a preliminary report.

*N. Desbuards, P. Gourbeyre, V. Haure-Mirande, D. Darmaun, M. Champ & M. Bodinier* 1245-1248

A non-inflammatory form of immune competence prevails in acute pre-pubescent malnutrition: new evidence based on critical mRNA transcripts in the mouse.

*J. M. Monk, C. L. Richard & B. Woodward* 1249-1253

**Molecular Nutrition**

Increasing intake of long-chain *n*-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner.

*C. Gladine, N. C. Roy, J.-P. Rigaudière, B. Laillet, G. Da Silva, C. Joly, E. Pujos-Guillot, B. Morio, C. Feillet-Coudray, W. C. McNabb, J.-M. Chardigny & B. Comte* 1254-1273

An arabinoxylan-rich fraction from wheat enhances caecal fermentation and protects colonocyte DNA against diet-induced damage in pigs.

*D. P. Belobrajdic, A. R. Bird, M. A. Conlon, B. A. Williams, S. Kang, C. S. McSweeney, D. Zhang, W. L. Bryden, M. J. Gidley & D. L. Topping* 1274-1282

Cold exposure down-regulates adiponutrin/PNPLA3 mRNA expression and affects its nutritional regulation in adipose tissues of lean and obese Zucker rats.

*P. Oliver, A. Caimari, R. Díaz-Rúa & A. Palou* 1283-1295

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*E. Reboul, Z. Soayfane, A. Goncalves, M. Cantiello, R. Bott, M. Nauze, F. Tercé, X. Collet & C. Coméra* 1296-1304

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*n*-3 PUFA prevent metabolic disturbances associated with obesity and improve endothelial function in golden Syrian hamsters fed with a high-fat diet.

*F. K. Chadli, A. Andre, X. Prieur, G. Loirand, A. Meynier, M. Krempf, P. Nguyen & K. Ouguerram* 1305-1315

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*L. Ferrarini, N. Pellegrini, T. Mazzeo, C. Miglio, S. Galati, F. Milano, C. Rossi & A. Buschini* 1324-1332

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*J. M. Cramer, M. Teran-Garcia & E. H. Jeffery* 1333-1338

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*B. Kirkhus, A. Lamglait, K.-E. Eilertsen, E. Falch, T. Haider, H. Vik, N. Hoem, T.-A. Hagve, S. Basu, E. Olsen, I. Seljeflot, L. Nyberg, E. Elind & S. M. Ulven* 1339-1349

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*A. Ghavami, W. A. Coward & L. J. C. Bluck* 1350-1366

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*N. E. Kaartinen, H. Tapanainen, L. M. Valsta, M. E. Similä, H. Reinivuo, T. Korhonen, K. Harald, J. G. Eriksson, M. Peltonen & S. Männistö* 1367-1375

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*G. Zhao, E. S. Ford, J. Tsai, C. Li & J. B. Croft* 1386-1392

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