

Directions to Contributors can be found at journals.cambridge.org/bjn

British Journal of Nutrition
Volume 110, 2013 ISSN: 0007-1145

Publishing, Production, Marketing, and

Subscription Sales Office:

Cambridge University Press
The Edinburgh Building
Shaftesbury Road
Cambridge CB2 8RU, UK

For Customers in North America:

Cambridge University Press
Journals Fulfillment Department
100 Brook Hill Drive
West Nyack
New York 10994-2133
USA

Publisher: Katy Christomanou

Special sales and supplements:

This Journal accepts relevant advertisements and inserts. We also provide bulk reprints of suitable papers to meet teaching or promotional requirements. The journal also publishes supplements on behalf of academic and corporate collaborators. Please contact Sarah Maddox at the Cambridge address for further details. E-mail: special_sales@cambridge.org

Subscription information:

British Journal of Nutrition is an international journal published by Cambridge University Press on behalf of The Nutrition Society. The twelve issues starting January 2013 comprise Volume 109, the twelve issues starting July 2013 comprise Volume 110.

Annual subscription rates:

Volumes 109/110 (24 issues):
Internet/print package £1302/\$2538/€2085
Internet only: £956/\$1864/€1527

Any **supplements** to this journal published in the course of the annual volume are normally supplied to subscribers at no extra charge.

Back volumes are available. Please contact Cambridge University Press for further information.

Claims for non-receipt of journal issues will be considered on their merit and only if the claim is received within six months of publication. Replacement copies supplied after this date will be chargeable.

US POSTMASTERS: please send address corrections to *British Journal of Nutrition*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133.

Directions to Contributors are available from the Society at the address below or can be found on the Society's website at <http://www.nutrition society.org> (an abbreviated Notes for Authors can be found inside the back cover).

Offprints: The author (or main author) of an accepted paper will receive a copy of the PDF file of their article. There will be an option to purchase paper offprints, these should be ordered at proof stage. No page charges are levied by this journal.

Copyright: As of 1 July 2000 the copyright of all articles submitted to *British Journal of Nutrition* are retained by the authors or their institutions. For articles prior to this date permission for reproduction of any part of the journal (text, figures, tables or other matter) in any form (on paper, microfiche or electronically) should be sought directly from the Society, at: The Publications Office, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, Hammersmith, London W6 7NJ, UK.

Disclaimer: The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable, but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk. Neither the Society nor Cambridge University Press accepts responsibility for any trade advertisement included in this publication.

This journal is printed on acid-free paper from renewable sources. Printed in the UK by Bell & Bain Ltd., Glasgow.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

British Journal of Nutrition is covered in Current Contents®/Agriculture, Biology & Environmental Sciences, SciSearch®, Research Alert®, Current Contents®/Life Sciences, Index Medicus® (MEDLINE®), AGRICOLA®, CAB Abstracts™, Global Health, BIOSIS® Database, EMBASE/Excerpta Medica and Elsevier BIOBASE/Current Awareness in Biological Sciences, CINAHL, and Chemical Abstracts Service.

Molecular Nutrition

- Mammary gene expression and activity of antioxidant enzymes and oxidative indicators in the blood, milk, mammary tissue and ruminal fluid of dairy cows fed flax meal.
A. L. B. Schogor, M.-F. Palin, G. T. dos Santos, C. Benchaar, P. Lacasse & H. V. Petit 1743–1750

Metabolism and Metabolic Studies

- Disturbance in uniformly ¹³C-labelled DHA metabolism in elderly human subjects carrying the apoE ε4 allele.
R. Chouinard-Watkins, C. Rioux-Perreault, M. Fortier, J. Tremblay-Mercier, Y. Zhang, P. Lawrence, M. C. Vohl, P. Perron, D. Lorrain, J. T. Brenna, S. C. Cunnane & M. Plourde 1751–1759
- Metabolomic profiling of urine: response to a randomised, controlled feeding study of select fruits and vegetables, and application to an observational study.
D. H. May, S. L. Navarro, I. Ruczynski, J. Hogan, Y. Ogata, Y. Schwarz, L. Levy, T. Holzman, M. W. McIntosh & J. W. Lampe 1760–1770
- Effects of dietary energy density and digestible protein:energy ratio on *de novo* lipid synthesis from dietary protein in gilthead sea bream (*Sparus aurata*) quantified with stable isotopes.
K. S. Ekmann, J. Dalsgaard, J. Holm, P. J. Campbell & P. V. Skov 1771–1781
- Postprandial lipid responses to standard carbohydrates used to determine glycaemic index values.
S. Vega-López, L. M. Ausman, N. R. Matthan & A. H. Lichtenstein 1782–1788
- Effects of long-term administration of saturated and *n*-3 fatty acid-rich diets on lipid utilisation and oxidative stress in rat liver and muscle tissues.
C. Feillet-Coudray, M. Aoun, G. Fouret, B. Bonafos, J. Ramos, F. Casas, J. P. Cristol & C. Coudray 1789–1802

Nutritional Endocrinology

- Lycopene supplementation modulates plasma concentrations and epididymal adipose tissue mRNA of leptin, resistin and *IL-6* in diet-induced obese rats.
R. de Azevedo Melo Luvizotto, A. F. Nascimento, E. Imaizumi, D. T. Pierine, S. J. Conde, C. R. Correa, K.-J. Yeum & A. L. A. Ferreira 1803–1809

Nutritional Immunology

- Anti-influenza virus effects of both live and non-live *Lactobacillus acidophilus* L-92 accompanied by the activation of innate immunity.
H. Goto, A. Sagitani, N. Ashida, S. Kato, T. Hirota, T. Shinoda & N. Yamamoto 1810–1818
- Effects of high nutrient intake on the growth performance, intestinal morphology and immune function of neonatal intra-uterine growth-retarded pigs.
F. Han, L. Hu, Y. Xuan, X. Ding, Y. Luo, S. Bai, S. He, K. Zhang & L. Che 1819–1827

Microbiology

- Oral administration of *Bifidobacterium longum* CECT 7347 ameliorates gliadin-induced alterations in liver iron mobilisation.
J. M. Laparra, M. Olivares & Y. Sanz 1828–1836
- Dietary fibre affects intestinal mucosal barrier function and regulates intestinal bacteria in weaning piglets.
H. Chen, X. Mao, J. He, B. Yu, Z. Huang, J. Yu, P. Zheng & D. Chen 1837–1848

Human and Clinical Nutrition

- Energy intake from human milk covers the requirement of 6-month-old Senegalese exclusively breast-fed infants.
A. Agne-Djigo, K. M. Kwadjode, N. Idohou-Dossou, A. Diouf, A. T. Guiro & S. Wade 1849–1855

- Genetic predisposition to obesity and lifestyle factors – the combined analyses of twenty-six known BMI- and fourteen known waist:hip ratio (WHR)-associated variants in the Finnish Diabetes Prevention Study.
T. Jääskeläinen, J. Paananen, J. Lindström, J. G. Eriksson, J. Tuomilehto & M. Uusitupa for the Finnish Diabetes Prevention Study Group 1856–1865

- A 250 µg/week dose of vitamin D was as effective as a 50 µg/d dose in healthy adults, but a regimen of four weekly followed by monthly doses of 1250 µg raised the risk of hypercalciuria.
S. R. Zwart, H. Parsons, M. Kimlin, S. M. Innis, J. P. Locke & S. M. Smith 1866–1872

- Response variability to glucose facilitation of cognitive enhancement.
L. Owen, A. Scholey, Y. Finnegan & S. I. Sünram-Lea 1873–1884

- Reduced-energy cranberry juice increases folic acid and adiponectin and reduces homocysteine and oxidative stress in patients with the metabolic syndrome.
T. N. C. Simão, M. A. B. Lozovoy, A. N. C. Simão, S. R. Oliveira, D. Venturini, H. K. Morimoto, L. H. S. Miglironza & I. Dichi 1885–1894

- Cross-sectional study of factors that influence the 25-hydroxy vitamin D status in pregnant women and in cord blood in Germany.
C. Wuertz, P. Gilbert, W. Baier & C. Kunz 1895–1902

Dietary Surveys and Nutritional Epidemiology

- Nutritional risk, functional status and mortality in newly institutionalised elderly.
E. Cereda, C. Pedrolli, A. Zagami, A. Vanotti, S. Piffer, M. Faliva, M. Rondanelli & R. Caccialanza 1903–1909

- Red meat consumption is associated with the risk of type 2 diabetes in men but not in women: a Japan Public Health Center-based Prospective Study.
K. Kuratani, A. Nanri, A. Goto, T. Mizoue, M. Noda, S. Oba, M. Kato, Y. Matsushita, M. Inoue & S. Tsugane for the Japan Public Health Center-based Prospective Study Group 1910–1918

- Dietary and lifestyle quality indices with/without physical activity and markers of insulin resistance in European adolescents: the HELENA study.
D. Jiménez-Pavón, M. A. Sesé, I. Huybrechts, M. Cuenca-García, G. Palacios, J. R. Ruiz, C. Breidenassel, C. Leclercq, L. Beghin, M. Plada, Y. Manios, O. Androustos, J. Dallongeville, A. Kafatos, K. Widhalm, D. Molnar & L. A. Moreno 1919–1925

- A dairy and fruit dietary pattern is associated with a reduced likelihood of osteoporosis in Korean postmenopausal women.
S. Shin & H. Joung 1926–1933

CORRIGENDUM

- Determinants of plasma 25-hydroxyvitamin D and development of prediction models in three US cohorts – CORRIGENDUM.
K. A. Bertrand, E. Giovannucci, Y. Liu, S. Malspeis, A. H. Eliassen, K. Wu, M. D. Holmes, F. Laden & D. Feskanich 1934

Cambridge Journals Online For further information about this journal please go to the journal website at: journals.cambridge.org/bjn