

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

British Journal of Nutrition
Volume 111, 2014 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 2014 comprise Volume 111, the twelve issues starting July 2014 comprise Volume 112.

Annual subscription rates:

Volumes 111/112 (24 issues):
Internet/print package £1432/\$2792/€2294
Internet only: £1023/\$1994/€1634

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.nutritionociety.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.

Systematic Review

Relationship between nutrition knowledge and dietary intake.
I. Spronk, C. Kullen, C. Burdon & H. O'Connor 1713 – 1726

Molecular Nutrition

Lactobacillus rhamnosus and its cell-free culture supernatant differentially modulate inflammatory biomarkers in *Escherichia coli*-challenged human dendritic cells.
M. Bermudez-Brito, S. Muñoz-Quezada, C. Gomez-Llorente, F. Romero & A. Gil 1727 – 1737

Birth weight alters the response to postnatal high-fat diet-induced changes in meat quality traits and skeletal muscle proteome of pigs.
J. Liu, J. He, J. Yu, X. Mao, P. Zheng, Z. Huang, B. Yu & D. Chen 1738 – 1747

Dietary supplementation with tributyrin alleviates intestinal injury in piglets challenged with intrarectal administration of acetic acid.
Y. Hou, L. Wang, D. Yi, B. Ding, X. Chen, Q. Wang, H. Zhu, Y. Liu, Y. Yin, J. Gong & G. Wu 1748 – 1758

Metabolism and Metabolic Studies

Dietary histidine requirement to reduce the risk and severity of cataracts is higher than the requirement for growth in Atlantic salmon smolts, independently of the dietary lipid source.
S. C. Remø, E. M. Hevrøy, P. A. Olsvik, R. Fontanillas, O. Breck & R. Waagbø 1759 – 1772

Bioavailability of lemon verbena (*Aloysia triphylla*) polyphenols in rats: impact of colonic inflammation.
C. Felgines, D. Fraisse, C. Besson, M.-P. Vasson & O. Texier 1773 – 1781

Influence of virgin coconut oil-enriched diet on the transcriptional regulation of fatty acid synthesis and oxidation in rats – a comparative study.
S. Arunima & T. Rajamohan 1782 – 1790

Compared with that of MUFA, a high dietary intake of *n*-3 PUFA does not reduce the degree of pathology in mdx mice.
G. C. Henderson, N. P. Evans, R. W. Grange & M. A. Tuazon 1791 – 1800

Nutritional Endocrinology

Bovine lactoferrin ingestion protects against inflammation via IL-11 induction in the small intestine of mice with hepatitis.
T. Kuhara, A. Tanaka, K. Yamauchi & K. Iwatsuki 1801 – 1810

Micro-architectural changes in cancellous bone differ in female and male C57BL/6 mice with high-fat diet-induced low bone mineral density.
J. Gautam, D. Choudhary, V. Khedgikar, P. Kushwaha, R. S. Singh, D. Singh, S. Tiwari & R. Trivedi 1811 – 1821

Nutritional Immunology

Supplementation of the diet with Salecan attenuates the symptoms of colitis induced by dextran sulphate sodium in mice.
M. Zhou, Z. Wang, J. Chen, Y. Zhan, T. Wang, L. Xia, S. Wang, Z. Hua & J. Zhang 1822 – 1829

Human and Clinical Nutrition

Evaluation of Actiheart and a 7 d activity diary for estimating free-living total and activity energy expenditure using criterion methods in 1.5- and 3-year-old children.
H. Henriksson, E. Forsum & M. Löf 1830 – 1840

Effects of hydration status on cognitive performance and mood.
N. A. Masento, M. Golightly, D. T. Field, L. T. Butler & C. M. van Reekum 1841 – 1852

Metabolic profile before and after short-term overfeeding with a high-fat diet: a comparison between South Asian and white men.
S. N. Wulan, K. R. Westerterp & G. Plasqui 1853 – 1861

Development and validation of a Food Choices Score for use in weight-loss interventions.
S. J. Grafenauer, L. C. Tapsell, E. J. Beck & M. J. Batterham 1862 – 1870

Dietary Surveys and Nutritional Epidemiology

Mediterranean alcohol-drinking pattern and mortality in the SUN (Seguimiento Universidad de Navarra) Project: a prospective cohort study.
A. Gea, M. Bes-Rastrollo, E. Toledo, M. Garcia-Lopez, J. J. Beunza, R. Estruch & M. A. Martinez-Gonzalez 1871 – 1880

Plasma alkylresorcinol concentrations, biomarkers of whole-grain wheat and rye intake, in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort.
C. Kyrø, A. Olsen, H. B(as). Bueno-de-Mesquita, G. Skeie, S. Loft, P. Åman, M. Leenders, V. K. Dik, P. D. Siersema, T. Pischon, J. Christensen, K. Overvad, M.-C. Boutron-Ruault, G. Fagherazzi, V. Cottet, T. Kühn, J. Chang-Claude, H. Boeing, A. Trichopoulou, A. Naska, D. Oikonomidou, G. Masala, V. Pala, R. Tumino, P. Vineis, A. Mattiello, P. H. Peeters, T. Bakken, E. Weiderpass, L. A. Åsli, S. Sánchez, P. Jakszyn, M.-J. Sánchez, P. Amiano, J. M. Huerta, A. Barricarte, I. Ljuslinder, R. Palmqvist, K.-T. Khaw, N. Wareham, T. J. Key, R. C. Travis, N. Slimani, H. Freisling, P. Ferrari, M. J. Gunter, N. Murphy, E. Riboli, A. Tjønneland & R. Landberg 1881 – 1890

Ethnic differences in infant feeding practices and their relationship with BMI at 3 years of age – results from the Born in Bradford birth cohort study.
G. Santorelli, L. Fairley, E. S. Petherick, B. Cabieses & P. Sahota 1891 – 1897

Behaviour, Appetite and Obesity
Do sleep-deprived adolescents make less-healthy food choices?
A. K. Kruger, E. N. Reither, P. E. Peppard, P. M. Krueger & L. Hale 1898 – 1904

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