

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

British Journal of Nutrition
Volume 112, 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.

Molecular Nutrition

Dietary supplementation with fish oil alters the expression levels of proteins governing mitochondrial dynamics and prevents high-fat diet-induced endothelial dysfunction. R. Sun, X. Wang, Y. Liu & M. Xia 145–153

Differential regulation of pancreatic digestive enzymes during chronic high-fat diet-induced obesity in C57BL/6J mice. R. Z. Birk, I. Rubio-Altaga, M. V. Boekschoten, H. Danino, M. Müller & H. Daniel 154–161

Metabolism and Metabolic Studies

Relative vitamin A values of 9-*cis*- and 13-*cis*- β -carotene do not differ when fed at physiological levels during vitamin A depletion in Mongolian gerbils (*Meriones unguiculatus*). K. A. Bresnahan, C. R. Davis & S. A. Tanumihardjo 162–169

Microbiology

Intravenous lipopolysaccharide challenge alters ruminal bacterial microbiota and disrupts ruminal metabolism in dairy cattle. L. Jing, R. Zhang, Y. Liu, W. Zhu & S. Mao 170–182

Human and Clinical Nutrition

Cardiovascular responses to the ingestion of sugary drinks using a randomised cross-over study design: does glucose attenuate the blood pressure-elevating effect of fructose? E. K. Grasser, A. Dulloo & J.-P. Montani 183–192

Dietary vitamin D₂ – a potentially underestimated contributor to vitamin D nutritional status of adults? K. D. Cashman, M. Kinsella, B. A. McNulty, J. Walton, M. J. Gibney, A. Flynn & M. Kiely 193–202

Effects of resveratrol alone or in combination with piperine on cerebral blood flow parameters and cognitive performance in human subjects: a randomised, double-blind, placebo-controlled, cross-over investigation. E. L. Wightman, J. L. Reay, C. F. Haskell, G. Williamson, T. P. Dew & D. O. Kennedy 203–213

LDL-cholesterol-lowering effect of plant sterols and stanols across different dose ranges: a meta-analysis of randomised controlled studies. R. T. Ras, J. M. Geleijnse & E. A. Trautwein 214–219

Elevated brain lesion volumes in older adults who use calcium supplements: a cross-sectional clinical observational study. M. E. Payne, D. R. McQuoid, D. C. Steffens & J. J. B. Anderson 220–227

Dietary Surveys and Nutritional Epidemiology

Retrospective lifetime dietary patterns predict cognitive performance in community-dwelling older Australians. D. E. Hosking, T. Nettelbeck, C. Wilson & V. Danthiir 228–237

Red meat consumption is associated with an increased overall cancer risk: a prospective cohort study in Korea. G.-A. Wie, Y.-A. Cho, H.-h. Kang, Kyoung-A Ryu, M.-K. Yoo, Young-A Kim, K.-W. Jung, J. Kim, J.-H. Lee & H. Joung 238–247

Olive oil consumption and risk of CHD and/or stroke: a meta-analysis of case-control, cohort and intervention studies. M. A. Martínez-González, L. J. Dominguez & M. Delgado-Rodríguez 248–259

Three-year change in diet quality and associated changes in BMI among schoolchildren living in socio-economically disadvantaged neighbourhoods. S. Lioret, S. A. McNaughton, A. J. Cameron, D. Crawford, K. J. Campbell, V. J. Cleland & K. Ball 260–268

Changes in children's food group intake from age 3 to 7 years: comparison of a FFQ with an online food record. C. Vereecken, M. Covents, I. Huybrechts, C. Kelly & L. Maes 269–276

Innovative Techniques

A probabilistic model to evaluate population dietary recommendations. Z. Chalabi, E. Ferguson, R. Stanley & A. Briend 277–284

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