

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

British Journal of Nutrition

Volume 115, 2016 ISSN: 0007-1145

Publishing, Production, Marketing, and Subscription Sales Office:

Cambridge University Press,
Journals Fulfillment Department,
UPH, Shaftesbury Road,
Cambridge CB2 8BS, 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 2016 comprise Volume 115, the twelve issues starting July 2016 comprise Volume 116.

Annual subscription rates:

Volumes 115/116 (24 issues):
Internet/print package £1654/\$3225/€2649
Internet only: £1149/\$2241/€1836

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>.

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

Lactobacillus acidophilus modulates inflammatory activity by regulating the *TLR4* and *NF-κB* expression in porcine peripheral blood mononuclear cells after lipopolysaccharide challenge
S. I. Lee, H. S. Kim, J. M. Koo & I. H. Kim 567-575

Metabolism and Metabolic Studies

Responses in whole-body amino acid kinetics to an acute, sub-clinical endotoxin challenge in lambs
S. O. Hoskin, D. M. Bremner, G. Holtrop & G. E. Lobley 576-584

Dietary iron concentration influences serum concentrations of manganese in rats consuming organic or inorganic sources of manganese
H. Zhang, E. R. Gilbert, S. Pan, K. Zhang, X. Ding, J. Wang, Q. Zeng & S. Bai 585-593

Developmental Biology

Excess maternal salt or fructose intake programmes sex-specific, stress- and fructose-sensitive hypertension in the offspring
C. Gray, S. M. Gardiner, M. Elmes & D. S. Gardner 594-604

Nutritional Immunology

The piglet as a model for studying dietary components in infant diets: effects of galacto-oligosaccharides on intestinal functions
A. Alizadeh, P. Akbari, E. Difilippo, H. A. Schols, L. H. Ulfman, M. H. Schoterman, J. Garssen, J. Fink-Gremmels & S. Braber 605-618

The effects of vitamin A supplementation with measles vaccine on leucocyte counts and *in vitro* cytokine production
K. J. Jensen, A. B. Fisker, A. Andersen, E. Sartono, M. Yazdanbakhsh, P. Aaby, C. Erikstrup & C. S. Benn 619-628

Nutritional Toxicity

Short-term effects of dietary advanced glycation end products in rats
M. W. Poulsen, J. M. Andersen, R. V. Hedegaard, A. N. Madsen, B. N. Krath, R. Monošik, M. J. Bak, J. Nielsen, B. Holst, L. H. Skibsted, L. H. Larsen & L. O. Dragsted 629-636

Human and Clinical Nutrition

Consumption of a calcium and vitamin D-fortified food product does not affect iron status during initial military training: a randomised, double-blind, placebo-controlled trial
S. R. Hennigar, E. Gaffney-Stomberg, L. J. Lutz, S. J. Cable, S. M. Pasiakos, A. J. Young & J. P. McClung 637-643

Modifying effects of maternal Hb concentration on infant birth weight in women receiving prenatal iron-containing supplements: a randomised controlled trial
L. Wang, Z. Mei, H. Li, Y. Zhang, J. Liu & M. K. Serdula 644-649

The Graz Malnutrition Screening (GMS): a new hospital screening tool for malnutrition
R. E. Roller, D. Eglseer, A. Eisenberger & G. H. Wirnsberger 650-657

Effects of supplementation with a calcium-rich marine-derived multi-mineral supplement and short-chain fructo-oligosaccharides on serum lipids in postmenopausal women
B. E. Cronin, P. J. Allsopp, M. M. Slevin, P. J. Magee, M. B. Livingstone, J. J. Strain & E. M. McSorley 658-665

Dietary Surveys and Nutritional Epidemiology

Gender analysis in the development and validation of FFQ: a systematic review
H. Lee, M. Kang, W. O. Song, J. E. Shim & H. Y. Paik 666-671

Cross-sectional association between serum concentrations of *n*-3 long-chain PUFA and depressive symptoms: results in Japanese community dwellers
C. Horikawa, R. Otsuka, Y. Kato, Y. Nishita, C. Tange, S. Kakutani, T. Rogi, H. Kawashima, H. Shibata, F. Ando & H. Shimokata 672-680

The acceptability of repeat Internet-based hybrid diet assessment of previous 24-h dietary intake: administration of the Oxford WebQ in UK Biobank
J. Galante, L. Adamska, A. Young, H. Young, T. J. Littlejohns, J. Gallacher & N. Allen 681-686

Intake of essential fatty acids in Indonesian children: secondary analysis of data from a nationally representative survey
N. Neufingerl, R. Djuwita, A. Otten-Hofman, R. Nurdiani, U. Garczarek, A. Sulaeman, P. L. Zock & A. Eilander 687-693

Dietary carbohydrate intake, glycaemic load, glycaemic index and ovarian cancer risk in African-American women
B. Qin, P. G. Moorman, A. J. Alberg, J. S. Barnholtz-Sloan, M. Bondy, M. L. Cote, E. Funkhouser, E. S. Peters, A. G. Schwartz, P. Terry, J. M. Schildkraut & E. V. Bandera 694-702

Is there a mismatch between who gets iron supplementation and who needs it? A cross-sectional study of iron supplements, iron deficiency anaemia and socio-economic status in Australia
E. J. Callander & D. J. Schofield 703-708

An overview of the contribution of dairy and cheese intakes to nutrient intakes in the Irish diet: results from the National Adult Nutrition Survey
E. L. Feeney, A. P. Nugent, B. Mc Nulty, J. Walton, A. Flynn & E. R. Gibney 709-717

Household food insecurity and diet diversity after the major 2010 landslide disaster in Eastern Uganda: a cross-sectional survey
P. M. Rukundo, B. A. Andreassen, J. Kikafunda, B. Rukooko, A. Oshaug & P. O. Iversen 718-729

Association between alcohol consumption and serum paraoxonase and arylesterase activities: a cross-sectional study within the Bavarian population
C. Schwedhelm, K. Nimptsch, A. Bub, T. Pischon & J. Linseisen 730-736

Dairy consumption and CVD: a systematic review and meta-analysis
D. D. Alexander, L. C. Bylsma, A. J. Vargas, S. S. Cohen, A. Doucette, M. Mohamed, S. R. Irvin, P. E. Miller, H. Watson & J. P. Fryzek 737-750

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