

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

British Journal of Nutrition
Volume 119, 2018 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
1 Liberty Plaza
Floor 20
New York, NY 10006
USA

Publisher: Cambridge University Press

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 2018 comprise Volume 119, the twelve issues starting July 2018 comprise Volume 120.

Annual subscription rates:

Volumes 119/120 (24 issues):
Internet/print package £1598/\$3115/€2559
Internet only: £1110/\$2164/€1773

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, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA.

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

Leucine promotes differentiation of porcine myoblasts through the protein kinase B (Akt)/Forkhead box O1 signalling pathway
S. Zhang, X. Chen, Z. Huang, D. Chen, B. Yu, H. Chen, J. Luo, J. He, P. Zheng & J. Yu 727-733

Innate differences and colostrum-induced alterations of jejunal mucosal proteins in piglets with intra-uterine growth restriction
X. Wang, Y. Zhu, C. Feng, G. Lin, G. Wu, D. Li & J. Wang 734-747

Effect of nutritional supplement on bone marrow-derived mesenchymal stem cells from aplastic anaemia
S. Luo, Y. Chen, L. Zhao, X. Qi, X. Miao, H. Zhou & L. Jia 748-758

Metabolism and Metabolic Studies

Changing to a vegetarian diet reduces the body creatine pool in omnivorous women, but appears not to affect carnitine and carnosine homeostasis: a randomised trial
L. Blancquaert, A. Baguet, T. Bex, A. Volckaert, I. Everaert, J. Delanghe, M. Petrovic, C. Vervaeke, S. De Henauw, D. Constantin-Teodosiu, P. Greenhaff & W. Derave 759-770

Serum metabolomics study of nutrient metabolic variations in chronic heat-stressed broilers
Z. Lu, X. He, B. Ma, L. Zhang, J. Li, Y. Jiang, G. Zhou & F. Gao 771-781

Energy efficiency of digestible protein, fat and carbohydrate utilisation for growth in rainbow trout and Nile tilapia
J. W. Schrama, M. N. Haidar, I. Geurden, L. T. N. Heinsbroek & S. J. Kaushik 782-791

Postprandial glycaemic and lipaemic responses to chronic coffee consumption may be modulated by *CYP1A2* polymorphisms
T. M. Robertson, M. N. Clifford, S. Penson, P. Williams & M. D. Robertson 792-800

Human and Clinical Nutrition

Introduction of iodised salt benefits infants' mental development in a community-based cluster-randomised effectiveness trial in Ethiopia
K. Bougma, F. E. Aboud, T. M. Lemma, E. A. Frongillo & G. S. Marquis 801-809

Infant formulae supplemented with prebiotics: Are they better than unsupplemented formulae? An updated systematic review
A. Skórka, M. Pieścik-Lech, M. Kołodziej & H. Szajewska 810-825

Dietary Surveys and Nutritional Epidemiology

A preclinical study to model taurine pharmacokinetics in the undernourished rat
A. Catalán-Latorre, A. Nácher, V. Merino, O. Díez & M. M. Sanjuán 826-835

A comparison between two healthy diet scores, the modified Mediterranean diet score and the Healthy Nordic Food Index, in relation to all-cause and cause-specific mortality
E. Warensjö Lemming, L. Byberg, A. Wolk & K. Michaëlsson 836-846

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