
PNS

PROCEEDINGS OF THE NUTRITION SOCIETY

Volume: 71

Number: 1

February 2012

Available online at
www.journals.cambridge.org

Symposia featured in this issue:

Vitamins and cognitive development and performance
Vitamins in muscular and skeletal function
Vitamin D and immune function: from pregnancy to adolescence
Vitamins, infectious and chronic disease during adulthood and aging
Food chain and health
Plenary Lectures
Nutrition and health claims: help or hindrance
Postgraduate Symposium
Obesity-related cancers
Boyd Orr Lecture

Proceedings of the Nutrition Society

Volume 71, 2012 ISSN: 0029-6651

Aims and Scope

Proceedings of the Nutrition Society publishes papers and abstracts presented by members and invited speakers at the scientific meetings of The Nutrition Society.

Coverage includes

- Cellular and molecular nutrition (including immunology)
- Nutritional genomics
- Nutrition and the food chain
- Clinical nutrition and metabolism
- Obesity and body composition
- Infant nutrition
- Diet selection and control of intake
- Nutrition and behaviour
- Reproduction, growth and development
- Public health nutrition
- Nutrition policy
- Sports and exercise nutrition
- Animal nutrition and metabolism
- Molecular aspects of nutrition
- Functional foods
- Macronutrient metabolism
- Micronutrients and antioxidants
- Companion animal nutrition
- Epidemiology

The *Proceedings of the Nutrition Society* is published four times a year by Cambridge University Press on behalf of the Nutrition Society. Symposium papers are published in February, May, August and November and are available as hard copy or electronically; Original Communications from individual meetings are published electronically only and comprise an OCE issue.

The journal is available on the Internet at: journals.cambridge.org/pns

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The Nutrition Society Home Page is at <http://www.nutritionociety.org>

University College Cork, Republic of Ireland, 15–17 June 2011

70th Anniversary Conference on ‘Vitamins in early development and healthy aging: impact on infectious and chronic disease’

Symposium 1: Vitamins and cognitive development and performance

Chairs: **K. Cashman**, *University College Cork, Republic of Ireland*; **M. Ward**, *University of Ulster, UK*

- Nutritional determinants of cognitive aging and dementia
M. C. Morris 1–13
- Vitamins and neural and cognitive developmental outcomes in children
D. Benton 14–26

Symposium 2: Vitamins in muscular and skeletal function

Chairs: **T. Hill**, *University College Cork, Republic of Ireland*; **S. Lanham-New**, *University of Surrey, UK*

- Musculoskeletal phenotype through the life course: the role of nutrition
K. Ward 27–37
- Does vitamin D during pregnancy impact offspring growth and bone?
B. L. Specker 38–45
- Serum 25-hydroxyvitamin D and muscle atrophy in the elderly
B. Dawson-Hughes 46–49

Symposium 3: Vitamin D and immune function: from pregnancy to adolescence

Chairs: **M. Kiely**, *University College Cork, Republic of Ireland*; **G. Goldberg**, *MRC Human Nutrition Research, Cambridge, UK*

- Vitamin D and immune function: an overview
M. Hewison 50–61
- Vitamin D, invariant natural killer T-cells and experimental autoimmune disease
M. T. Cantorna, J. Zhao & L. Yang 62–66
- Fat-soluble vitamins and atopic disease: what is the evidence?
A. A. Litonjua 67–74

Symposium 4: Vitamins, infectious and chronic disease during adulthood and aging

Chairs: **R. Wood**, *University of Massachusetts, USA*; **J. Wallace**, *University of Ulster, UK*

- Nutritional influences on epigenetics and age-related disease
L. K. Park, S. Friso & S.-W. Choi 75–83
- Old wine in new bottles: vitamin D in the treatment and prevention of tuberculosis
A. R. Martineau 84–89
- Vitamin D and respiratory infection in adults
I. Laaksi 90–97

University of Reading, 4–6 July 2011

70th Anniversary Conference on ‘From plough through practice to policy’

Symposium 1: Food chain and health

Chair: C. Wagstaff, University of Reading, UK

- Milk in the diet: good or bad for vascular disease?
D. I. Givens 98–104
- Inequalities in diet and nutrition
R. Tiffin & M. Salois 105–111

Plenary Lecture 2

Chair: C. Williams, University of Reading, UK

- Nutrition for sports performance: issues and opportunities
R. J. Maughan & S. M. Shirreffs 112–119

Symposium 2: Nutrition and health claims: help or hindrance

Chair: C. Williams, University of Reading, UK

- Scientific substantiation of health claims in the EU
A. Flynn 120–126
- Preparing dossiers: strength of the evidence and problems of proof
D. P. Richardson 127–140

Postgraduate Symposium

Chairs: A. Gallagher, University of Ulster, UK; S. Lockyer, University of Reading, UK

- Effect of interaction between PPAR γ , PPAR α and ADIPOQ gene variants and dietary fatty acids on plasma lipid profile and adiponectin concentration in a large intervention study
A. AlSaleh, T. A. B. Sanders & S. D. O’Dell 141–153
- Maternal nutritional status, C₁ metabolism and offspring DNA methylation: a review of current evidence in human subjects
P. Dominguez-Salas, S. E. Cox, A. M. Prentice, B. J. Hennig & S. E. Moore 154–165

Plenary Lecture 3

Chair: J. Spencer, University of Reading, UK

- Soyabean glyceollins: biological effects and relevance to human health
H. J. Kim, J.-S. Lim, W.-K. Kim & J.-S. Kim 166–174

Symposium 3: Obesity-related cancers

Chair: P. Calder, University of Southampton, UK

- Molecular mechanisms linking adipokines to obesity-related colon cancer: focus on leptin
J. E. Drew 175–180
- Visceral obesity, metabolic syndrome, insulin resistance and cancer
S. L. Doyle, C. L. Donohoe, J. Lysaght & J. V. Reynolds 181–189

Boyd Orr Lecture

Chair: S. Strain, University of Ulster, UK

- Back to the future: the changing frontiers of nutrition research and its relationship to policy
P. J. Morgan 190–197

Heriot-Watt University, Edinburgh, 28 June–1 July 2010

Conference on ‘Nutrition and health: cell to community’

Postgraduate Symposium

Chairs: S. Drummond, *Queen Margaret University, UK*; S. Bath, *University of Surrey, UK*

The influence of maternal protein nutrition on offspring development and metabolism:
the role of glucocorticoids

K. Almond, P. Bikker, M. Lomax, M. E. Symonds & A. Mostyn

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Forthcoming topics to be featured in *Proceedings of the Nutrition Society* for 2012 (vol. 71):

May issue

- 70th Anniversary: Vitamins in early development and healthy aging: impact on infectious and chronic disease
(Above proceedings were presented at the NS meeting jointly with the American Society of Nutrition at University College Cork, Republic of Ireland, 15–17 June 2011)
- 70th Anniversary: From plough through practice to policy
(Above proceedings were presented at the NS meeting at the University of Reading, 4–6 July 2011)
- 5th International Immunonutrition Workshop
(Above proceedings were presented at the 5th International Immunonutrition Workshop at Puerto Vallarta, Mexico, 6–8 April 2011)

August issue

- Oskar Kellner Symposium 2011: Metabolic flexibility in animal and human nutrition
(Above proceedings were presented at the meeting organised by the Leibniz Institute for Farm Animal Biology jointly with the NS at Warnemünde, Germany, 9–11 September 2011)

November issue

- 4th International Nutrition Society Symposium
(Above proceedings were presented at Mega Evento Nutricao 2011, Sao Paulo, Brazil, 6–8 October 2011)

- Malnutrition matters 2011
(Above proceedings were presented at the BAPEN meeting at Harrogate International Centre, Harrogate, UK, 28–30 November 2011)
- 70th Anniversary: Body weight regulation: food, gut and brain signalling
(Above proceedings to be presented at the NS meeting at the Royal College of Physicians, London, 6–7 December 2011)
- Annual Irish Section Postgraduate meeting
(Above proceedings to be presented at the NS meeting at University College Cork, 15–17 February 2012)
- Future food and health
(Above proceedings to be presented at the NS meeting at the University of Aberdeen, 26–27 March 2012)

OC electronic issue

- Future food and health
(Above proceedings to be presented at the NS meeting at the University of Aberdeen, 26–27 March 2012)
- Annual BAPEN meeting 2012: Digestive Disorders Federation Conference
(Above proceedings to be presented at the BAPEN meeting at ACC Liverpool, Liverpool, UK, 17–20 June 2012)
- Translational nutrition: integrating research, practice and policy
(Above proceedings to be presented at the NS meeting at Queen's University, Belfast, 16–19 July 2012)

For further details, see our website:

<http://www.nutritionssociety.org/node/17>

Proceedings of the Nutrition Society

Volume 71, 2012 ISSN: 0029-6651

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 Dept
100 Brook Hill Drive
West Nyack
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USA

Publisher: Katy Christomanou

Editorial Assistant: Katherine Cameron

Special sales:

This journal accepts advertisements and inserts. We also provide bulk reprints of suitable papers to meet teaching or promotional requirements. Please contact Katy Christomanou at Cambridge University Press for further details.

Subscription information:

Proceedings of the Nutrition Society is an international journal published by Cambridge University Press on behalf of The Nutrition Society as four issues per year. Symposium papers are published in February, May, August and November; Original Communications are published online (only).

Annual subscription rates:

Volume 71, 2012 (4 issues):

Internet/print package: £523/\$1019 Americas only/
€834 EU only

Internet only: £407/\$794 Americas only/€637 EU only

Japanese Agent: Maruzen Company Ltd, PO Box 5050,
Tokyo International, 100-31, Japan.

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.

Despatch: deliveries outside the UK are by ASP Print-flow Airsaver unless other arrangements are made.

Customers requiring airmail delivery should indicate clearly their requirements and add an additional 10% to the relevant subscription price.

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Typeset by S R Nova Pvt Ltd., Bangalore, India.

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. Printed by Bell & Bain, Glasgow, UK.

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