Robert Gordon University, 25–26 March 2015

Conference on ‘Nut, gene regulation and metabolic disease’

Plenary Lecture
Impact of dietary fat on the development of non-alcoholic fatty liver disease in Ldlr−/− mice
A. R. Jones, D. M. Dangubic, S. Iqbal
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Symposium 1: Macronutrients, gene expression and metabolic disease

Dietary carbohydrate and control of hepatic gene expression: mechanistic links from ATP and phosphate ester homeostasis to the carbohydrate-response element-binding protein
L. Agius

Insulin secretion in health and disease: nutrients dictate the pace
R. Regazzi, A. Rodriguez-Trejo
A. D. Iaccarino

Dietary restriction and Sirtuin 1 in metabolic health: connections and divergences
C. Cantó

Symposium 2: Micronutrients, phytochemicals, gene expression and metabolic disease

Vitamin D modulates adipose tissue biology: possible consequences for obesity?
J. J. L. Landrock, C. K. Kropf, J. Tocher, I. L. B. Collett

Polyphenols and non-alcoholic fatty liver disease: impact and mechanisms
J. Rodriguez-Ramiro, D. Vauzour & A. M. Minihane

Intracellular zinc in insulin secretion and action: a determinant of diabetes risk?
G. A. Rutter, P. Chabosseau, E. A. Bellomo, W. Maret, R. K. Mitchell, D. J. Hodson, A. Solomou & M. Hu

Plenary Lecture
Developmental programming of energy balance regulation: is physical activity more ‘programmable’ than food intake?
S. Zhu, J. Eclarinal, M. S. Baker, G. Li & R. A. Waterland

Symposium 3: Nutrition, epigenetics and the fetal origins of metabolic disease

Transgenerational epigenetic inheritance of diabetes risk as a consequence of early nutritional imbalances
J. C. Jiménez-Chillarón, M. Ramón-Krauel, S. Ribo & R. Diaz

Maternal folic acid deficiency and metabolic dysfunction in offspring
J. A. McKay & J. C. Mathers

Nutrition Society Irish Section postgraduate meeting Ulster University 12–13 February 2015

Irish Postgraduate Winners

Personalised nutrition: the role of new dietary assessment methods
H. Ferrer, M. C. Walsh, M. J. Gibney, L. Brennan & E. R. Gibney

Can metabolotyping help define the process of personalised nutrition?

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Symposia featured in this issue:

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Nutrition, epigenetics and the fetal origins of metabolic disease
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Forthcoming topics to be featured in *Proceedings of the Nutrition Society* for 2016 (vol. 75):

- Nutrition at key life stages: new findings, new approaches  
  *(Above proceedings were presented at the NS meeting at University College Cork, 17–19 June 2015)*
- The future of animal products in the human diet: health and environmental concerns  
  *(Above proceedings were presented at the NS meeting at the University of Nottingham, 6–9 July 2015)*
- Sustainable diet and public health  
  *(Above proceedings were presented at the 12th European Nutrition Conference in Berlin, Germany, 20–23 October 2015)*
- Roles of sleep and circadian rhythms in the origin and nutritional management of obesity and metabolic disease  
  *(Above proceedings were presented at the NS meeting at the Royal Society of Medicine, London, 8–9 December 2015)*

**Original Communications**

- Roles of sleep and circadian rhythms in the origin and nutritional management of obesity and metabolic disease  
  *(Above proceedings were presented at the NS meeting at the Royal Society of Medicine, London, 8–9 December 2015)*
- Phytochemicals and health: new perspectives of plant based nutrition  
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For further details, see our website: http://www.nutritionssociety.org/events