

Royal College of Physicians on 6–7 December 2011

70th Anniversary conference on ‘Body weight regulation – food, gut and brain signalling’

Plenary Lecture I

Chair: J. Mercer, University of Aberdeen

- Contribution of the mesolimbic dopamine system in mediating the effects of leptin and ghrelin on feeding
R. van Zessen, G. van der Plasse & R. A. H. Adan 435–445

Symposium I: Food–gut interactions

Chair: J. Mercer, University of Aberdeen

- Nutrient sensing and signalling by the gut
R. Rasoamanana, N. Darcel, G. Fromentin & D. Tomé 446–455
- The gut endocrine system as a coordinator of postprandial nutrient homeostasis
F. M. Gribble 456–462
- The receptive function of hypothalamic and brainstem centres to hormonal and nutrient signals affecting energy balance
T. Riediger 463–477

Plenary Lecture II

Chair: P. Barrett, University of Aberdeen

- The neurobiology of food intake in an obesogenic environment
H.-R. Berthoud 478–487

Plenary Lecture III

Chair: S. Dickson, University of Gothenburg

- Taste, olfactory, and food texture reward processing in the brain and the control of appetite
E. T. Rolls 488–501

Symposium III: Brain signalling and onward communications

Chair: S. Dickson, University of Gothenburg

- Coupling nutrient sensing to metabolic homeostasis: the role of the mTORC1 pathway
C. André & D. Cota 502–510
- Food-induced brain responses and eating behaviour
P. A. M. Smeets, L. Charbonnier, F. van Meer, L. N. van der Laan & M. S. Spetter 511–520
- Hypothalamic dysfunction in obesity
L. M. Williams 521–533

Harrogate International Centre on 29–30 November 2011

Conference on 'Malnutrition matters'

Symposium 1: Living with coeliac disease

Chair: N. Simmonds, *Luton & Dunstable Hospital*

- The safety of oats in the dietary treatment of coeliac disease
E. Richman 534–537
- Are we diagnosing too many people with coeliac disease?
I. Aziz & D. S. Sanders 538–544

Symposium 4: Food for thought: challenging problems in malnutrition

Chair: S. Hill, *Great Ormond Street Hospital*

- Child undernutrition in affluent societies: what are we talking about?
C. M. Wright & A. L. Garcia 545–555

Nutrition Society Symposium: Muscle wasting with age: a new challenge in nutritional care; part 1 – the underlying factor

Chair: G. Frost, *Imperial College London*

- Ageing and taste
L. Methven, V. J. Allen, C. A. Withers & M. A. Gosney 556–565

Muscle wasting with age: a new challenge in nutritional care; part 2 – management

Chair: C. Donnellan, *Leeds General Infirmary*

- Nutrition and sarcopenia: evidence for an interaction
D. J. Millward 566–575

Nutrition Society Cuthbertson Medal Lecture

Chair: I. Macdonald, *University of Nottingham*

- Emerging concepts: from coeliac disease to non-coeliac gluten sensitivity
I. Aziz & D. S. Sanders 576–580

Centro de Convenções e Eventos Frei Caneca, São Paulo, Brazil on 6–8 October 2011

Symposium on 'Nutrition, genes and health: current knowledge and future directions'

- Recent advances in nutrition, genes and brain health
M. J. Dauncey 581–591
- Folate, colorectal cancer and the involvement of DNA methylation
E. A. Williams 592–597

Radisson Blu Hotel, Cork, Republic of Ireland on 15–17 February 2012

Irish Section Postgraduate Symposium

Session 1

Chair: S. O'Donovan, *University College Cork*

- The use of cluster analysis to derive dietary patterns: methodological considerations, reproducibility, validity and the effect of energy mis-reporting
U. M. Devlin, B. A. McNulty, A. P. Nugent & M. J. Gibney 599–609

Session 2**Chair: A. Connolly, University College Dublin**

Serving size guidance for consumers: is it effective?

G. P. Faulkner, L. K. Pourshahidi, J. M. W. Wallace, M. A. Kerr, T. A. McCrorie & M. B. E. Livingstone

610–621

Session 3**Chair: A. McMorrow, Trinity College Dublin**

Insights into the role of macrophage migration inhibitory factor in obesity and insulin resistance

O. M. Finucane, C. M. Reynolds, F. C. McGillicuddy & H. M. Roche

622–633

Session 4**Chair: R. Reilly, University of Ulster**

The relationship between BMI and metabolomic profiles: a focus on amino acids

C. Morris, C. O. Grada, M. Ryan, H. M. Roche, M. J. Gibney, E. R. Gibney & L. Brennan

634–638

Appreciation

Appreciation of Philip Payne

E. Dowler

639–640