



**Annual Report 2015**

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## Foreword

It is my pleasure to introduce the 15<sup>th</sup> annual report of the Scientific Advisory Committee on Nutrition (SACN), in which we will cover the work of the committee throughout 2015.

Following the conclusion of the public consultation, the committee published its [Carbohydrates and Health report](#) in July 2015. This report was the product of immense effort and hard work by the members of the Carbohydrates Working Group, whom I would like to thank on behalf of SACN,

Later in July, the committee published the [draft Vitamin D and Health report](#) for public consultation. Once again we were pleased to receive a substantial number of responses to one of our consultations, all of which will be taken into consideration before the Vitamin D Working Group reports in 2016.

As work on these important reviews came to an end, SACN convened a working group to review the evidence on dietary fats. The main committee discussed a [first draft of a scoping paper](#) at the main meeting on 17 June 2015, before the first meeting of the working group on 26 October 2015.

In addition, SACN wrote to Ministers and the Chief Medical Officers in England, Scotland, Wales and Northern Ireland, to remind them of our advice from 2006 and 2009 on the need to improve folate levels in the population. The [letter](#) was published along with the minutes from the SACN main meeting of 24 September 2015.

Meanwhile, the Subgroup on Maternal and Child Nutrition (SMCN) made good progress towards publishing the first part of its review of *Complementary and Young Child Feeding* for public consultation in 2016, and the Military Energy DRVs Working Group held a meeting on 13 November.

I would like to thank the Committee on Toxicity (COT) for its input into a number of SACN's deliberations, including our work on vitamin D, complementary feeding and now the joint COT/SACN Potassium-based Sodium Replacers Working Group, which is due to meet for the first time in January 2016.

I would also like to thank members of the main committee, its working groups and subgroup, and the secretariat, for their commitment to the work of SACN in 2015.



**Dr Ann Prentice**

**Chair**

## About the committee

SACN is a UK wide advisory committee set up to provide advice to Public Health England as well as other government agencies and departments. Its remit includes matters concerning nutrient content of individual foods, advice on diet and the nutritional status of people.

Members are appointed as independent scientific experts on the basis of their specific skills and knowledge. There is also a lay member and a member to represent consumers.

The SACN is supported in its work by a secretariat provided by Public Health England. The secretariat members have scientific expertise that enables them to provide SACN members with comprehensive background information and briefing papers to inform the decision-making processes of the committee.

SACN's terms of reference are shown at Annex 1.

### Openness

SACN is committed to a policy of openness and engagement with interested parties. Papers for the committee's meetings, agendas and minutes are posted on the [committee website](#), subject to certain exceptions on grounds of commercial or other sensitive information. As part of the policy of openness, all of the committee's three main meetings are held in open session by default.

### Membership

There were four appointments made through open competition in 2015. Professor Paul Haggarty (1 January '16 to 31 December '18), Professor Ian Macdonald (1 June '15 to 31 May '18), Dr David Mela (1 August '15 to 31 July '18) and Professor Charlotte Wright (1 June '15 to 31 May '18) were appointed for three years.

Details on membership of the committee, its working groups and subgroup can be found in Annex 2.

Biographies of all members can be found in Annex 3.

### Remuneration and committee finance

Remuneration and committee finances are shown in Annex 4.

### Declaration of interests

The committee follows government advice on declaration of interests. Members are asked to declare where there may be a conflict of interest with regard to an issue under scrutiny at each meeting, which is noted in the minutes. Members are also requested to provide the secretariat with annual declarations of interests, which have been detailed in Annex 5.

### Procedures

Meeting agendas are compiled from a number of sources including outstanding items from previous meetings, items suggested by the committee, outside bodies including other Scientific Advisory Committees as well as items brought forward from the committee's work programme. Updates from SACN working groups and its subgroup are regular features on the agenda.

# SACN's work in 2015

This is the fifteenth annual report of SACN and covers the calendar year 2015.

The committee met three times in 2015 on 26 February, 17 June and 24 September. Dr Ann Prentice chaired all SACN main meetings in 2015.

The Subgroup on Maternal and Child Nutrition met twice in 2015: on 28 January and 14 October, with a drafting meeting on 2 December; the Vitamin D Working Group met twice in 2015: on 18 June and 12 November; and the Carbohydrates Working Group met once in 2015, on 13 January. The Military Energy DRVs Working Group and the Fats Working Group held their first meetings in 2015, on 13 November and 26 October respectfully.

## Work Programme

The following issues were on the committee's work programme:

- Carbohydrates and health;
- Vitamin D and health;
- Review of complementary and young child feeding;
- Potassium-based sodium replacers;
- Military Dietary Reference Values;
- Fats and health; and
- Nutrition and cognitive impairment.

More details on the progress of work on the above issues can be found in the subsequent section on SACN's working groups and subgroup.

## Forward Look

The committee considers the following items to be issues for future consideration:

- Health of women of reproductive age;
- Nutritional implications of new food technologies and processes;
- Nutrition and cognitive function across the life course; and
- Nutrition and ethnicity in the UK.

## Watching Brief

The committee will keep a watching brief on the following items:

- Sustainable healthy diet - to contribute to public health nutrition messages where needed;
- Iodine status of the UK population- to revisit when further evidence is available, including that from a study *Assessing iodine status and associated health outcomes in British women during pregnancy*, commissioned on behalf of SACN; and
- Folic acid fortification – to await the outcome of SACN advice to Ministers and Chief Medical Officers

## **SACN's working groups and subgroup**

The committee has working groups and a subgroup comprising SACN members and co-opted specialists. These groups develop recommendations and advice on specific areas of public health nutrition. The groups active during 2015 were:

- Carbohydrates Working Group
- Subgroup on Maternal and Child Nutrition
- Vitamin D Working Group
- Military Dietary Reference Values for Energy Working Group
- Fats Working Group
- Joint COT/SACN Potassium-Based Sodium Replacers Working Group

These groups report back on progress to the main committee at each SACN meeting.

## **Carbohydrates Working Group**

### **Background**

This working group was set up in 2008 following a workshop convened by the FSA in 2007 to discuss current government advice relating to carbohydrate intake. Dietary carbohydrate was last considered by the Committee on Medical Aspects of Food Policy (COMA) in 1989 in their report on Dietary Sugars and Human Disease, the 1991 report “Dietary Reference Values for Food Energy and Nutrients for the United Kingdom” and the 1994 report “Nutritional Aspects of Cardiovascular Disease”. It was agreed that under the remit of the working group a review of carbohydrates and their relationship to health outcomes should be undertaken to ensure that policy recommendations and advice are kept up to date.

### **Terms of reference**

SACN was requested to provide clarification of the relationship between dietary carbohydrates and health and make public health recommendations. To achieve this they reviewed:

- the evidence for a role of dietary carbohydrates in colorectal health in adults (including colorectal cancer, Irritable Bowel Syndrome (IBS), constipation) and in infancy and childhood;
- the evidence on dietary carbohydrates and cardio-metabolic health (including cardiovascular disease, insulin resistance, glycaemic response and obesity);
- the evidence in respect to dietary carbohydrates and oral health.
- the terminology, classification and definitions of types of carbohydrates in the diet.

### **Activity**

The Carbohydrates Working Group published its [Carbohydrates and Health report](#) in July 2015 and has therefore been disbanded.



## **Subgroup on Maternal and Child Nutrition**

### **Background**

The Subgroup on Maternal and Child Nutrition (SMCN) was set up as a specialist standing group to advise Government on issues relating specifically to maternal and child nutrition, an area on which Health Departments need regular scientific advice for policy-making and regulatory purposes.

### **Terms of reference**

The terms of reference for the Subgroup on Maternal and Child Nutrition are to advise, through the Scientific Advisory Committee on Nutrition (SACN), on such aspects of child and maternal diet and nutrition, as are referred to it by Public Health England, the UK Health Departments and SACN.

### **Activity**

The work of the subgroup in 2015 has focussed on the review of the scientific evidence underpinning UK complementary and young child feeding advice. The terms of reference for the review and scope for the review were agreed by SACN in 2011.

At its meetings in January and October 2015, the subgroup discussed its draft review on complementary and young child feeding. At each meeting, a number of editorial amendments were suggested and the Secretariat developed the text in line with these comments. A drafting group comprising the secretariat, Chair and a number of SMCN members was also established and met for the first time on 4 December 2015 to help progress work on the review.

In 2015, the subgroup also considered the discontinuation of funding for the Infant Feeding Survey and at the request of the Department of Health, evidence on the role of docosahexaenoic acid (DHA) and arachidonic acid (ARA) on infant growth and cognitive development.

As part of the review, SACN asked the COT to examine the risks of toxicity from chemicals in the infant diet and also what is known about the influence of infant diet on the development of food allergy and atopic and autoimmune disease. In 2015, the COT published statements on polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), and hexabromocyclododecanes (HBCDDs), which will inform the SMCN review. The evidence regarding dietary exposures in the first year of life and the risk of developing atopic and autoimmune disease is being reviewed by an external contractor (Imperial College London) and findings will be reported in 2016. Close collaboration between the two committees has continued throughout the review process.

## Vitamin D Working Group

### Background

In October 2010, SACN agreed to review the DRVs for vitamin D intake and consider whether they are still appropriate in the context of current lifestyles (e.g., advice to stay out of sun, wear sunscreen).

### Terms of reference

To review the Dietary Reference Values for vitamin D intake and make recommendations.

This will require a risk assessment of the vitamin D status of the UK population and consideration of the:

- biochemical indicators of vitamin D status and the validity of the threshold concentrations/ranges used to assess risk of deficiency and excess;
- association between vitamin D status and various health outcomes at different life stages and in different population groups and the effects of biological modifiers;
- contribution of cutaneous vitamin D synthesis to vitamin D status in the United Kingdom taking account of the effects of modifiers of skin exposure to sunlight; the risks of skin damage and other adverse health outcomes associated with sunlight exposure;
- potential adverse effects of high vitamin D intakes;
- relative contributions made by dietary vitamin D intake (from natural food sources, fortified foods and supplements) and cutaneous vitamin D synthesis to the vitamin D status of the UK population.

### Activity

The Vitamin D Working Group continued to make good progress in 2015, meeting in June and November. Its draft *Vitamin D and Health* report was published for consultation on 22 July. A substantial number of comments were received during the consultation period. Responses to the consultation comments were discussed at the Working Group meeting in November and the report was amended where appropriate.

## **Military Dietary Reference Values for Energy Working Group**

### **Background**

This working group was set up in 2014 following discussions with the Institute of Naval Medicine (INM) regarding potential work on Military Dietary Reference Values (MDRVs) for energy.

### **Terms of reference**

SACN was requested to undertake a review of the United Kingdom (UK) MDRV for energy, and to:

- recommend estimated dietary reference values for energy for those military occupational roles which have evidenced requirements different from the estimated average requirements for UK population subgroups recommended by SACN in 2011;
- provide recommendations that take into account environment and relevant population descriptors such as age, body size (including consideration of body composition), levels of physical activity, and gender;
- consider the implications of these energy recommendations for the nutrient requirements of UK military populations – especially in terms of macronutrient requirements for high-energy occupational roles.

### **Activity**

The working group met on 13 November 2015 at which it discussed the doubly labelled water (DLW) analysis report on military personnel prepared by Professor Joe Millward (an expert consultant to review the energy expenditure data, and to advise the working group accordingly).

The working group agreed draft recommendations and the structure of the position statement due for publication in 2016.

## **Fats Working Group**

### **Background**

The Fats Working Group was established in 2015 to examine the evidence linking dietary fats and health outcomes following discussion by the main SACN Committee of the need to address issues that have been raised by some commentators and a direct request from the Food Standards Agency Scotland.

### **Terms of reference**

At its first meeting, the working group discussed and proposed draft terms of reference which require ratification by the main SACN committee. Once agreed, the terms of reference will be published on the SACN website.

### **Activity**

The first Fats Working Group meeting was held on 26 October 2015, at which the terms of reference, scope of work, ways of working, reflection and learning from previous reviews, available resources and timeline were discussed.

The next working group meeting will be held on 11<sup>th</sup> March 2016.

## **Joint COT/SACN Potassium-based Sodium Replacers Working Group**

### **Background**

This joint Committee on Toxicity and SACN potassium-based sodium replacers working group was set up in 2015.

### **Terms of reference**

- COT and SACN to work together to undertake a risk-benefit analysis of the use of potassium-based sodium replacers in foods, with particular consideration of the effects in vulnerable groups
- Based on that risk-benefit analysis, to agree integrated advice for SACN to provide to the Department of Health.

### **Activity**

COT and SACN have separately considered the risks and benefits respectively of using potassium replacements for sodium chloride and sodium-based additives in food. COT has completed its review and SACN is in the final stages of considering evidence on the benefits. Following discussion between the two committee chairs on 6 October, it was agreed that a joint working group would be set up to develop a risk-benefit approach to the two strands of work so that integrated advice could be presented to risk managers.

Work will commence in 2016, with the first working group meeting in January 2016.

# Annex 1

## SACN's terms of reference

SACN is an advisory committee set up to replace the Committee on Medical Aspects of Food and Nutrition Policy (COMA). It advises the Government and is supported by a Public Health England secretariat.

Its advice will cover scientific aspects of nutrition and health with specific reference to:

- nutrient content of individual foods and advice on diet as a whole including the definition of a balanced diet;
- nutritional status of people in the UK and how it may be monitored;
- nutritional issues which affect wider public health policy issues including conditions where nutritional status is one of a number of risk factors (e.g. cardiovascular disease, cancer, osteoporosis and obesity);
- nutrition of vulnerable groups (e.g. infants and the elderly) and health inequality issues; and research requirements for the above.

All members and the Secretariat regard it as part of their role to:

- examine and challenge if necessary the assumptions on which scientific advice is formulated and ask for explanations of any scientific terms and concepts which are not clear;
- ensure that SACN has the opportunity to consider contrary scientific views and the concerns and values of stakeholders before a decision is taken; and
- ensure that SACN's advice is clear and comprehensible.

SACN has a UK wide remit and observers from the devolved administration attend SACN main meetings.

## Annex 2

### Membership of the committee

<b>Chair</b>	Dr Ann Prentice Director, MRC Human Nutrition Research, Cambridge
<b>Members</b>	Professor Peter Aggett Honorary Professor, School of Medicine and Health, Lancaster University, and Emeritus Professor and Past Head of School of Postgraduate Medicine and Health
	Ms Gill Fine Public Health Nutritionist
	Professor Paul Haggarty Head of Lifelong Health, Rowett Institute of Nutrition and Health, University of Aberdeen
	Professor Timothy Key Professor in Epidemiology and Deputy Director of Cancer Epidemiology Unit, University of Oxford
	Professor Susan Lanham-New Head of the Nutritional Sciences Division, University of Surrey
	Professor Julie Lovegrove Professor of Metabolic Nutrition and Deputy Director of the Institute of Cardiovascular & Metabolic Research at the University of Reading
	Professor Ian Macdonald Professor of Metabolic Physiology at the University of Nottingham and Head of the School of Life Sciences
	Professor Harry J McArdle Professor of Biomedical Sciences, Rowett Institute of Nutrition and Health, University of Aberdeen
	Dr David Mela (Industry member) Science Leader, Unilever R&D Vlaardingen, The Netherlands
	Mrs Gemma Paramor (Lay member) Finance professional in accounting and fund management
	Professor Hilary Powers Professor of Nutritional Biochemistry and Head of Human Nutrition Unit, University of Sheffield
	Professor Monique Raats Director of the Food, Consumer Behaviour and Health Research Centre, University of Surrey
	Professor Angus Walls Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute
	Dr Stella Walsh (Consumer member)

Dr Anthony Williams  
Formerly, Reader in Child Nutrition and Consultant in Neonatal Paediatrics, St  
George's, University of London

Professor Ian Young  
Professor of Medicine, Queen's University Belfast

Professor Charlotte Wright (From July 2015)  
Professor of Community Child Health, University of Glasgow

**Observers**

Dr Louis Levy  
Public Health England

Ms Anne Milne  
Food Standards Agency Scotland

Ms Sarah Rowles  
The Welsh Assembly, Health Promotion Division

Dr Naresh Chada  
Department of Health, Social Services and Public Safety, Northern Ireland

Ms Ruth Balmer  
Food Standards Agency Northern Ireland

**Secretariat      Public Health England**

Dr Vivien Lund  
Ms Rachel Elsom  
Mr Michael Griffin  
Ms Emma Peacock  
Mrs Vicki Pyne  
Ms Mamta Singh  
Mr Heiko Stolte  
Ms Jennifer Lynas  
Miss Margie van Dijk



## **Membership of the Carbohydrates Working Group**

**Chair** Professor Ian Macdonald (SACN member)  
Professor of Metabolic Physiology at the University of Nottingham and Head of the School of Life Sciences

**Members** Dr David Mela (SACN Member)  
Science Leader, Unilever R&D Vlaardingen, The Netherlands

Professor Timothy Key (SACN member)  
Professor in Epidemiology and Deputy Director of Cancer Epidemiology Unit, University of Oxford

Professor Ian Johnson (External expert)  
Expert in diet and colorectal health & disease, Institute of Food Research

Professor Angus Walls (SACN member)  
Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute

Professor Ian Young (SACN member)  
Professor of Medicine, Queen's University Belfast

Professor Julie Lovegrove (SACN Member)  
Professor of Metabolic Nutrition and Deputy Director of the Institute of Cardiovascular & Metabolic Research at the University of Reading

## **Membership of the Subgroup on Maternal and Child Nutrition (SMCN)**

- Chair** Dr Anthony Williams (SACN member)  
Formerly, Reader in Child Nutrition and Consultant in Neonatal Paediatrics, St George's, University of London
- Members** Professor Peter Aggett (SACN Member)  
Honorary Professor, School of Medicine and Health, Lancaster University, and Emeritus Professor and Past Head of School of Postgraduate Medicine and Health
- Professor Annie Anderson (External expert)  
Professor of Food Choice, Centre for Public Health Nutrition Research, University of Dundee
- Dr Robert Fraser (External expert) (Until May 2015)  
Reader in Obstetrics and Gynaecology in the University of Sheffield with an Honorary Consultant contract in Obstetrics and Gynaecology at the Sheffield NHS Foundation Trust
- Professor Alan Jackson (External expert)  
Professor of Human Nutrition, University of Southampton
- Dr Ken Ong (External expert)  
Medical Research Council (MRC), Head of the Epidemiology Unit's programme in Child Growth and Development. Paediatric Endocrinologist at Addenbrooke's Hospital, and Affiliated Lecturer at the Department of Paediatrics, University of Cambridge
- Dr Ann Prentice (SACN member)  
Director, MRC Human Nutrition Research, Cambridge
- Professor Siân Robinson (External expert)  
Professor of Nutritional Epidemiology at the MRC Lifecourse Epidemiology Unit, University of Southampton
- Professor Monique Raats (SACN member)  
Director of the Food, Consumer Behaviour and Health Research Centre, University of Surrey
- Dr Stella Walsh (SACN member)  
Consumer member
- Professor Charlotte Wright (From July 2015)  
Professor of Community Child Health, University of Glasgow
- Professor Mairead Kiely (From July 2015)  
Professor of Human Nutrition, University College Cork

## Membership of the Vitamin D Working Group

**Chair** Professor Hilary Powers (SACN member)  
Professor of Nutritional Biochemistry and Head of Human Nutrition Unit, University of Sheffield

**Members** Dr Ann Prentice (SACN member)  
Director, MRC Human Nutrition Research, Cambridge

Professor Timothy Key (SACN member)  
Professor in Epidemiology and Deputy Director of Cancer Epidemiology Unit, University of Oxford

Professor Susan Lanham-New (SACN member)  
Head of the Nutritional Sciences Division, University of Surrey

Professor Harry J McArdle  
Professor of Biomedical Sciences, Rowett Institute of Nutrition and Health, University of Aberdeen

Dr Anthony Williams (SACN member)  
Formerly, Reader in Child Nutrition and Consultant in Neonatal Paediatrics, St George's, University of London

Professor Ian Young (SACN member)  
Professor of Medicine, Queen's University Belfast

Professor Kevin Cashman (External expert)  
Professor of Food and Health, School of Food and Nutritional Sciences, University College Cork

Professor Roger Francis (External Expert)  
Emeritus Professor of Geriatric Medicine, Institute of Cellular Medicine, Newcastle University

Dr Stella Walsh (SACN member)  
Consumer member

## **Membership of the Military DRVs for energy Working Group**

### **Chair**

Professor Ian Young (SACN member)  
Professor of Medicine, Queen's University Belfast

### **Members**

Professor Ian Macdonald (SACN member)  
Professor of Metabolic Physiology at the University of Nottingham and Head of the  
School of Life Sciences

Dr Stella Walsh (SACN member)  
Consumer member

Professor Alan Jackson (External expert)  
Professor of Human Nutrition, University of Southampton

Lt Col Dr Christian Ardley RAMC (External expert)  
Consultant Physician and Gastroenterologist

Professor D Joe Millward (External expert)  
Emeritus Professor of Human Nutrition, Department of Nutritional Sciences,  
University of Surrey

## **Membership of the Fats Working Group**

- Chair** Professor Paul Haggarty (SACN member)  
Head of Lifelong Health, Rowett Institute of Nutrition and Health, University of Aberdeen
- Members** Professor Tim Key (SACN member)  
Professor in Epidemiology and Deputy Director of Cancer Epidemiology Unit, University of Oxford
- Dr David Mela (SACN member)  
Science Leader, Unilever R&D Vlaardingen, The Netherlands
- Dr Stella Walsh (SACN member)  
Consumer member
- Professor Julie Lovegrove (SACN Member)  
Professor of Metabolic Nutrition and Deputy Director of the Institute of Cardiovascular & Metabolic Research at the University of Reading
- Professor Ian Young (SACN member)  
Professor of Medicine, Queen's University Belfast
- Mrs Gemma Paramor (SACN member)  
Finance professional in accounting and fund management
- Professor Mairead Kiely (SMCN member)  
Professor of Human Nutrition, University College Cork
- Dr Jules Griffin (External expert)  
Head of Lipid Profiling and Signalling, MRC Human Nutrition Research and Senior Lecturer in the Department of Biochemistry, University of Cambridge
- Professor Christine Williams (External expert)  
External Director Food Agriculture and Health, University of Reading

## **Membership of the Joint COT/SACN Potassium-based Sodium Replacers Working Group**

- Chair**
- Professor Ann Prentice (SACN member)  
Director, MRC Human Nutrition Research, Cambridge
- Professor Alan Boobis (COT member)  
Professor of Biochemical Pharmacology and Director of Toxicology Unit in the Faculty of Medicine, Imperial College London
- Members**
- Professor Peter Aggett (SACN member)  
Honorary Professor, School of Medicine and Health, Lancaster University, and Emeritus Professor and Past Head of School of Postgraduate Medicine and Health
- Professor Julie Lovegrove (SACN member)  
Professor of Metabolic Nutrition and Deputy Director of the Institute of Cardiovascular & Metabolic Research at the University of Reading
- Professor Susan Lanham-New (SACN member)  
Head of the Nutritional Sciences Division, University of Surrey
- Dr John Thompson (COT member)  
Senior Lecturer in Clinical Pharmacology, Cardiff University, Director, National Poisons Information Service, Cardiff
- Professor Janet Cade (COT member)  
Professor of Nutritional Epidemiology and Public Health, University of Leeds

## **Annex 3**

### **Committee members' biographies**

#### **Dr Ann Prentice**

Director, MRC Human Nutrition Research, Cambridge. Dr Prentice's main research interests are nutritional aspects of bone health and osteoporosis; dietary requirements for human growth, pregnancy and lactation, and old age with particular reference to micronutrients. She has published extensive peer-reviewed articles, book chapters and reports. Dr Prentice was President of the Nutrition Society (from 2004 to 2007) and has served on a number of national and international advisory committees, including COMA's Subgroup on Nutrition and Bone Health.

#### **Professor Peter Aggett**

Honorary Professor, School of Medicine and Health, Lancaster University, and Emeritus Professor and Past Head of School of Postgraduate Medicine and Health, University of Central Lancashire. Professor Aggett is interested in trace element metabolism in health and disease. He has served on national and international advisory committees relating to clinical nutrition, public health nutrition, nutritional requirements, nutrient safety and risk assessment, such as the EC Scientific Committee on Food, the Committee on Toxicology, the Advisory Committee for Novel Foods and Processes, and the Expert Group on Vitamins and Minerals. He was a member of COMA for seven years, and is a past chair and secretary of the Committee on Nutrition of the European Society for Paediatric Gastroenterology, Hepatology and Nutrition.

#### **Ms Gill Fine**

Gill Fine is an independent Public Health Nutritionist and currently serves as a Trustee and Scientific Governor at the British Nutrition Foundation and as an Independent Sector Board Member for AHDB Beef and Lamb from 2004-2010, she was the Director of Consumer Choice and Dietary Health at the Food Standards Agency and was responsible for the strategic direction and the delivery of the FSA's Eating for Health and Choice programme. This wide remit comprised nutrition, GM, supplements, organics, additives, novel foods, food standards and general food labelling. She was also responsible for agreeing the overall direction of the Agency's research portfolio across the group's remit. Ms Fine has first-hand experience of a wide range of food and dietary policies and how they impact on public health. She has served on several Government committees and was previously a member of SACN from 2001 -2004.

#### **Professor Paul Haggarty**

Head of Lifelong Health at Rowett Institute of Nutrition and Health (RINH), University of Aberdeen. His research interest is in Diet, Epigenetics and Healthy Ageing and specifically the way in which diet at different life-stages interacts directly with the human genome to influence health and how this is modulated by social status and behaviour. This involves the study of nutrition and epigenetics in reproduction, ageing, cancer, and cognition, and the inter-individual variation in the response to diet. He has published extensively on the early nutritional and environmental determinants of health and the role of epigenetics in this process. He has served on various committees including the Advisory Committee on Novel Foods and Processes, the Breast Cancer Campaign Scientific Advisory Group and the Swedish Medical Research Council Panel on Ageing and Health.

#### **Professor Timothy Key**

Professor of Epidemiology and Deputy Director of the Cancer Epidemiology Unit, University of Oxford. His research includes the interactions between nutrition and hormones, cancer and cardiovascular disease, and the long-term health of vegetarians and vegans. He is the lead investigator of the Oxford component of the European Prospective Investigation into Cancer (EPIC), which is a

European-wide collaborative study, chair of the EPIC Working Group on Nutrition and Prostate Cancer, and chair of the Endogenous Hormones and Breast Cancer Collaborative Group.

### **Professor Susan Lanham-New**

Professor Lanham-New is Head of the Nutritional Sciences Division at the University of Surrey. Her research focuses on the area of nutrition and bone health, for which she has won a number of awards including the Nutrition Society Silver Medal. She is Editor of the first academic textbook on 'Nutritional Aspects of Bone Health' (NAoBH). She is a member of the Nutrition Forum for the NOS and the Scientific Advisory Group of British Nutrition Foundation and the 2008 BNF Taskforce on ageing. She was Honorary Communications Officer of the UK Nutrition Society from 2000-2006. Susan is on the Editorial Board of Osteoporosis Review and Osteoporosis International. She is Editor-in-Chief of the Nutrition Society Textbook Series.

### **Professor Julie Lovegrove**

Julie Lovegrove is Professor of Human Nutrition at the University of Reading, Director of the Hugh Sinclair Unit of Human Nutrition and the Deputy Director of the Institute for Cardiovascular and Metabolic Research (ICMR). Professor Lovegrove's main areas of research interest are the investigation of nutritional influences on cardiovascular disease risk, including nutrient/gene interactions and personalised nutrition. Of particular interest are the effects of dietary fats, carbohydrates and phytochemicals on vascular reactivity, insulin resistance and lipid metabolism in different population groups. She also has experience and interest in ethical issues associated with human research and serves on a number of research ethics committees. She is Chair of the Accreditation Committee for the Association for Nutrition (AfN) and represents SACN on the project board for the National Diet and Nutritional Survey (NDNS).

### **Professor Ian Macdonald**

Ian Macdonald is Professor of Metabolic Physiology and Head of the School of Life Sciences at the University of Nottingham. His research interests are concerned with the nutritional and metabolic aspects of obesity, diabetes and cardiovascular disease, with additional interests in nutrition and metabolism in exercise. His research involves studies in healthy subjects and various patient groups, and combines whole body physiological measurements, molecular investigation of tissue samples, and dietary interventions. Ian Macdonald is presently Editor of the International Journal of Obesity, Honorary Treasurer of the World Obesity Federation (formerly International Association for the Study of Obesity) and Honorary Treasurer of the Federation of European Nutrition Societies. He was President of the UK Nutrition Society from 2007-2010 and in 2013 was awarded a Fellowship of the Association for Nutrition and elected as a Fellow of the International Union of Nutritional Sciences.

### **Professor Harry McArdle**

Professor McArdle was Deputy Director of Science and the Director of Academic Affairs at the Rowett Institute of Nutrition and Health, University of Aberdeen until January 2015, when he stepped down. He is currently a Professor of Biomedical Sciences at the same Institute. His main research interests involve micronutrients and the critical role they play in growth and development. Current work concentrates on understanding the mechanisms underpinning micronutrient transport across the placenta. Professor McArdle studies iron and copper metabolism, trying to understand how the fetus and placenta work together to ensure an adequate supply, even if the mother is deficient; a frequent occurrence even in developed society. At the same time, Professor McArdle and his team are trying to identify why iron deficiency during pregnancy results in hypertension in the adult offspring in animal models and whether the results can be extrapolated to humans. Professor McArdle represents SACN on the Advisory Committee on Novel Foods and Processes (ACNFP). Prof McArdle is a member of the Minerals Working Group for EFSA.



### **Dr David Mela**

Science Leader at Unilever R&D Vlaardingen, The Netherlands. Dr Mela joined Unilever in 1998, following an academic research career in the US and UK. His main expertise is in the biological and behavioural aspects of food choice, eating behaviour and energy balance, from consumer research through energy metabolism. In Unilever, he is mainly involved with research programmes to identify and substantiate the health and nutrition benefits of product formulations and ingredients. He also provides input for the management of specific technical and regulatory issues and represents Unilever on various external academic and trade groups.

### **Mrs Gemma Paramor**

Gemma is a finance professional who has worked in both the accounting and fund management industries and is a member of the Institute of Chartered Accountants of England and Wales. During her career in fund management, she was a Global Healthcare equity investment specialist. As a result, she is accustomed to the analysis and interpretation of scientific data, is a practiced decision-maker with a focus on risk assessment and has considerable experience of communicating complex healthcare issues to a non-specialist audience. Gemma studied Biological Sciences at Oxford University and is the mother of two primary school age children.

### **Professor Hilary Powers**

Professor Powers is Professor of Nutritional Biochemistry, Head of Human Nutrition Unit, in the Faculty of Medicine, Dentistry and Health, University of Sheffield. Professor Powers conducts research into the role of B vitamins in health and disease, with specific focus on methyl donor nutrients and HPV-linked cancers, and functional biomarkers of micronutrient status. She has published over 100 peer-reviewed papers in this field. Professor Powers represents SACN on the Project Board for the National Diet and Nutritional Survey (NDNS).

Professor Powers' activities in the nutrition community have included membership of the Standing Committee on Nutrition for the Royal College of Paediatrics and Child Health, of the Expert Panel for the AICR/WCRF Report into Food, Nutrition, Physical Activity and Cancer and on various Grant awarding bodies for the BBSRC and WCRF. She is co-editor of the classic textbook, Human Nutrition (Elsevier).

### **Professor Monique Raats**

Professor Raats is Director of the Food, Consumer Behaviour and Health Research Centre at the University of Surrey. Her portfolio of research is wide ranging in terms of topics being addressed (e.g. food choice, policy development, food labelling), and methodologies used (e.g. qualitative, quantitative, stakeholder consultation). Since her arrival at the University of Surrey in 2000, she has played a central role in securing research funding for both national and European research projects. She has published over 65 peer-reviewed papers, 16 book chapters, and co-edited two books, "The Psychology of Food Choice" (2006) and "Food for the Ageing Population" (2008). She is one of the founding members and was secretary of the International Society of Behavioral Nutrition and Physical Activity.

### **Professor Angus Walls**

Angus Walls is Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute, University of Edinburgh. Professor Walls' research interests focus on the oral health care problems of an ageing population at a time of marked change in oral health status. The relationships are between diet and oral diseases such as tooth wear, decay and soft tissue pathology, and the number and functional capacity of the residual dentition and foods choice. His work has embraced basic epidemiology and the development of dietary interventions to address specific problems.

### **Dr Stella Walsh**

Dr Walsh is an experienced consumer member having served on several government and industry committees and has responded to consultations on behalf of consumers. She is a member of the National Consumer Federation (NCF) and was previously secretary. She has a long-standing interest in food, nutrition and health. She has been a consumer member on the Institute of Grocery Distributors, and other FSA and Defra committees. Until April 2015 she was also a consumer member on the Veterinary Residues Committee.

### **Dr Anthony Williams**

Dr Williams was formerly Reader in Child Nutrition and Consultant in Neonatal Paediatrics, St George's, University of London. Dr Williams was the Chair of COMA's Panel on Child & Maternal Nutrition and a member of COMA. He was a member of the Food Standards Agency's Expert Group on Vitamins and Minerals and cross-represented SACN on the Advisory Committee on Novel Foods and Processes between 2003 and 2007. Between 2006 and 2008 he chaired the NICE Centre for Public Health Excellence producing guidance on maternal and child nutrition in low-income families. He represented SACN on the project board of the Diet and Nutrition Survey of Infants and Young Children.

### **Professor Ian Young**

Ian Young is Professor of Medicine at Queen's University Belfast. In addition, he is also Associate Medical Director (Research and Development) and Consultant Chemical Pathologist at the Belfast Health and Social Care Trust. Professor Young's main clinical and research interests are in lipid metabolism, carbohydrate metabolism and antioxidants, particularly in relation to the prevention of cardiovascular disease. He is an author of over 350 published research papers and is on the editorial boards of a number of leading international journals. In addition, he is Chair of the Scientific Division of the International Federation for Clinical Chemistry and Laboratory Medicine and Associate Editor of Clinical Chemistry. He frequently speaks at national and international meetings on lipid management and topics related to laboratory medicine.

### **Professor Charlotte Wright**

Charlotte Wright is Professor of Community Child Health at Glasgow University and honorary consultant paediatrician at the Royal Hospital for Sick Children in Glasgow. Charlotte trained as a clinical epidemiologist, her chief research interests are feeding and growth in infancy, under-nutrition and growth screening. In her clinical and teaching roles she is involved in a range of public health nutrition issues, particularly the promotion of breast feeding and the management of childhood obesity. She recently headed the Royal College of Paediatrics and Child Health (RCPCH) group who designed the new UK growth charts.

## **Members' biographies (not otherwise covered as SACN members)**

### **Carbohydrates Working Group**

#### **Professor Ian Johnson**

Ian Johnson is an Emeritus Fellow at the Institute of Food Research in Norwich where he worked as a Research Leader from 1979 to 2010. He is an Honorary Research Fellow in the School of Medicine at the University of East Anglia, and until recently he was an Honorary Professor in Biological Sciences. His general area of research is the fate and biological activities of food components in the alimentary tract, and he is particularly interested in the biological effects of dietary fibre, lipids and secondary plant metabolites, including their behaviour during digestion, interactions with the gut epithelia and bioavailability to humans. He has had a long-term involvement in research on the physical properties of food polysaccharides, and their relevance to the prevention of human disease, including both metabolic disorders and colorectal cancer. He has received research funding from the BBSRC, Food Standards Agency and European Union, and has served as a member of the BBSRC Pool of Experts.

### **Vitamin D Working Group**

#### **Professor Kevin Cashman**

Professor Cashman is the Professor of Food and Health at University College Cork, a joint position between the School of Food and Nutritional Sciences and Department of Medicine. He is currently the Head of the School of Food and Nutritional Sciences. His research interests are in the area of vitamin D, nutrition and bone health and dietary requirements for vitamin D.

#### **Professor Roger Francis**

Professor Francis is Emeritus Professor of Geriatric Medicine at the Institute of Cellular Medicine, Newcastle University, where he continues to research into osteoporosis and Vitamin D. He was also a Consultant Physician at the Bone Clinic, Freeman Hospital until January 2011, when he retired from clinical practice. Professor Francis was a Trustee of the National Osteoporosis Society (NOS) until July 2014 and Chaired the Writing Group which developed the NOS Practical Clinical Guideline on Vitamin D. He served as Editor of the NOS journal *Osteoporosis review* from 2001-2007 and was Editor in Chief of *Age and Ageing* from 2007 until 2014. .

### **Subgroup on Maternal and Child Nutrition (SMCN)**

#### **Professor Annie Anderson**

Professor Anderson is Professor of Public Health Nutrition at the Centre for Public Health Nutrition Research, Department of Medicine, Ninewells Medical School, University of Dundee. Professor Anderson has represented the International Union against Cancer (UICC) on issues relating to diet and cancer prevention. In addition, she has participated as an expert advisor in a number of NICE, Department of Health, Food Standards Agency and Scottish Government Advisory Committees on topics including nutrient standards for school meals, the Low Income Diet and Nutrition Survey and Food and Drink Policy development. Her main research interests are lifestyle and cancer prevention and theory based, behaviourally focused dietary interventions in children and adults living in disadvantaged communities.

### **Professor Alan Jackson**

Professor Jackson is Professor of Human Nutrition, School of Medicine at the University of Southampton. Professor Jackson's current work explores the extent to which modest differences in maternal diet and metabolic competence influence fetal development, predisposing to chronic disease in adulthood. Professor Jackson was a member of the Committee on Medical Aspects of Food and Nutrition Policy (COMA) for ten years and was a Consultant Adviser to the Chief Medical Officer on Nutrition from 1989 to 2002. Professor Jackson is a member of the EFSA Panel on Dietetic Products, Nutrition and Allergies.

### **Dr Robert Fraser**

Dr Fraser is Honorary Reader in Obstetrics and Gynaecology, University of Sheffield. Research interests include nutritional physiology of human pregnancy, normal and disordered fetal growth and public health aspects of nutrition in pregnancy and lactation. He also has a clinical research interest in pregnancy complicated by maternal diabetes.

### **Professor Mairead Kiely**

Mairead Kiely is Maternal and Child Nutrition Programme lead at the Irish Centre for Fetal and Neonatal Translational Research (INFANT) at University College Cork (UCC). She is Co-chair of the Vitamin D Research Group at UCC. Professor of Human Nutrition and Health at the School of Food and Nutritional Sciences, UCC. Her research programme integrates the three main themes of vitamin D and human health, the role of maternal and child nutrition in healthy growth and development and diet, body composition and cardiovascular risk. She currently sits on the Public Health Nutrition Committee of the Food Safety Authority of Ireland.

### **Dr Ken Ong**

Dr Ken Ong leads the Child Growth and Development programme at the MRC Epidemiology Unit, University of Cambridge, and is an honorary Paediatric Endocrinologist at Cambridge University Hospitals NHS Trust. He trained in Paediatric Endocrinology in Southampton, London, Oxford and Cambridge, and has a PhD in Paediatrics and MPhil in Epidemiology, both from the University of Cambridge. His MRC programme studies the genetic, epigenetic and endocrine mechanisms linking childhood growth, weight gain and pubertal timing to obesity and type 2 diabetes.

### **Professor Siân Robinson**

Professor Robinson is Professor of Nutritional Epidemiology at the MRC Lifecourse Epidemiology Unit, University of Southampton. Her main research interests are in the nutrition of women, infants and young children, and in understanding how variations in nutrition across the life course contribute to inequalities in adult health, with a particular focus on early life influences on growth and development, and effects on ageing. She has been a member of a number of advisory groups including acting as co-opted expert member of the NICE Programme Development Group to produce guidance on maternal and child nutrition in low-income families and external advisor to the Diet and Nutrition Survey of Infants and Young Children (DNSIYC).

## **Military DRVs for energy Working Group**

### **Professor D Joe Millward**

Professor Millward is Emeritus Professor of Human Nutrition, Department of Nutritional Sciences, University of Surrey. Professor Millward's research interests have included the extent and nature of human dietary requirements for macronutrients, especially protein, amino acids and energy. He was a member of the Energy and Protein panel of COMA responsible for the 1991 Dietary Reference Values report, co-chaired the 2007 WHO/FAO/UNU Expert Consultation on Protein and Amino Acids in Human Nutrition, was a member of, and consultant to, the SACN energy working group which produced the 2011 SACN report Dietary Reference Values for Energy, and was a member of the 2013 FAO expert Consultation on Protein Quality Evaluation.

## **Fats Working Group**

### **Dr Jules Griffin**

Dr Griffin is Head of Lipid Profiling and Signalling at MRC Human Nutrition Research (HNR) and Senior Lecturer in the Department of Biochemistry at the University of Cambridge. He is also an Honorary Professor at Imperial College London and is a Fellow of King's College, Cambridge. The work of Jules' group at HNR focusses on the use of high resolution mass spectrometry to measure lipids in biofluids and tissue extracts in order to better understand the causes and consequences of type 2 diabetes and obesity (collectively referred to sometimes as the Metabolic Syndrome). In particular this work focusses on four areas of research: (i) understanding the role that peroxisome proliferator activated receptors (PPARs) play in regulating metabolism across the body, (ii) understanding how lipids influence the function of the cell and hence why changes in lipid intake affect how the body functions, (iii) examining how lipids influence tissue inflammation in the Metabolic syndrome and (iv) developing computer software tools for storing and processing the large quantity of data produced by these experiments.

### **Professor Christine Williams**

Professor Williams took up her role as External Director Food Agriculture and Health at the University of Reading in 2015 following the end of her six year term as Pro-Vice Chancellor (Research & Innovation) at the University. Her research is primarily concerned with understanding the impact of dietary fats on human health, particularly in relation to cardiovascular disease and insulin resistance; since 1976 she has published over 200 peer reviewed publications. In 1999 she was awarded the Royal Society of Medicine Gold Medal in Nutrition and was awarded an OBE in the Queen's Honours list in 2013 for her contribution to Higher Education and nutritional sciences. Between 1998 and 2001 she was the President of the UK Nutrition Society; she chaired the BBSRC Agri-Food Committee (2003-2006) and is Chair of the Trustees and Governor of the British Nutrition Foundation. From 2016 she will become a member of the Scientific Advisory Council for Wales. She is a Fellow of the Society of Biology, of the Association for Nutrition and was elected a Fellow of International Union of Nutritional Sciences in 2013.

## **Joint COT/SACN Potassium-based Sodium Replacers Working Group**

### **Professor Alan Boobis**

Professor Alan Boobis is currently Professor of Biochemical Pharmacology and Director of Toxicology Unit (funded by PHE & DH) in the Faculty of Medicine at Imperial College London. He has been a member of Imperial College London (initially at the Royal Postgraduate Medical School, which merged with the College in 1997) for almost 40 years. His main research interests lie in mechanistic toxicology, drug metabolism, toxicity pathway analysis and in the application of knowledge in these areas to risk assessment. He has published around 230 original research papers (H-factor 63) and for several years served as an Editor-in-Chief of Food and Chemical Toxicology.

### **Dr John Thompson**

Dr Thompson is Senior Lecturer in Clinical Pharmacology at the Wales College of Medicine, Cardiff University. He is Honorary Consultant to Cardiff and Vale Local Health Board and Director of the National Poisons Information Service (Cardiff). In addition to his general medical interests, Dr Thompson has a particular interest in the management of acutely poisoned patients. His current academic interests include the effective use of antidotes and the effects of occupational exposure to chemicals on health. He is the theme leader for medical undergraduate education for Clinical Pharmacology and Therapeutics at the Wales College of Medicine and is course organiser for postgraduate courses in Medical Toxicology at the University.

### **Professor Janet Cade**

Professor Janet Cade was appointed to the Committee on 1 September 2010. She leads the Nutritional Epidemiology Group in the School of Food Science and Nutrition at the University of Leeds. She is a nutritional epidemiologist with particular interests in dietary assessment methodology. She runs the large UK Women's Cohort Study which is characterising dietary exposures in relation to chronic disease outcomes. Other recent work has explored approaches to improve the quality of diets in children; the impact of foods, nutrients and dietary patterns associated with adverse health outcomes including obesity and cancer risk; development and validation of a mobile phone application to support weight loss. Professor Cade chairs the registration committee of the Association for Nutrition, which is involved in the professionalization of nutritionist.

## **Annex 4**

### **Remuneration and committee finance**

The amount paid to committee members for fees in 2015 was:

- for main meetings and working group/subgroup meetings, those who chaired a meeting received a total fee of £200 per meeting inclusive of attendance and reading fees;
- members not chairing received £160 per meeting inclusive of attendance and reading fees.

Public Health England also met travel and subsistence costs for those attending main meetings and working group/subgroup meetings.

The cost of the committee fees and expenses, excluding secretariat resources, for 2015 was £21,509.28. Costs were met by the Public Health England.

## Annex 5

### SACN main committee - declaration of interests

Member	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
	Organisation	Details	Organisation	Details
<b>Dr Ann Prentice</b> (As Director of MRC Human Nutrition Research Dr Prentice has responsibility for institutional interests)	<b>Nestle Foundation</b>	<b>Nature of interest:</b> Council member <b>Financial:</b> yes, honoraria received, travel reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> grant awards <b>Dates:</b> 2015 to present	<b>HS Pharma</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, PhD student funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> N/A <b>Dates:</b> 2013 to 2017
	<b>Rank Prize Funds</b>	<b>Nature of interest:</b> Committee member <b>Financial:</b> yes, travel reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> grant awards <b>Dates:</b> 2015 to present	<b>Institute of Brewing and Distilling</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> dietary silicon and connective tissue health <b>Dates:</b> 2013 to 2015
			<b>National Safety Association</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> nutrition and vascular function trial <b>Dates:</b> 2012 to 2015



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>British Medical Association</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> dietary determinants/cardiovascular project <b>Dates:</b> 2013 to 2016
			<b>Weight Watchers International</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> pragmatic weight loss trial (NIHR) <b>Dates:</b> 2012 to 2016
			<b>Shield Therapeutics</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> iron deficiency anaemia <b>Dates:</b> 2012 to 2016
			<b>Bill &amp; Melinda Gates Foundation</b>	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> improving fetal growth rates in developing countries <b>Dates:</b> 2014 to 2016

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Bill &amp; Melinda Gates Foundation</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000: yes</i>);</p> <p><b>Subject matter:</b> developing brain function-for-age curves in Gambian and UK infants</p> <p><b>Dates:</b> 2015 to 2016</p>
			<b>DRINC (BBSRC)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000: yes</i>);</p> <p><b>Subject matter:</b> biomarkers and infant nutrition</p> <p><b>Dates:</b> 2015 to 2020</p>
			<b>Agilent</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, grant to purchase equipment, travel reimbursement (<i>Amount received per annum over £5,000: yes</i>);</p> <p><b>Subject matter:</b> mass spectrometry equipment</p> <p><b>Dates:</b> 2015 to 2018</p>
			<b>Soremartec</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, grant to purchase equipment, travel reimbursement (<i>Amount received per annum over £5,000: yes</i>);</p> <p><b>Subject matter:</b> bioavailability of polyphenols and effects on vascular function</p> <p><b>Dates:</b> 2015 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<b>Professor Peter Aggett</b>	<b>European Food Safety Authority</b>	<p><b>Nature of interest:</b> Working Group member for FEEDAPP (2015 to present); NDA (2014 to present), GMO (2013 to 2015) panels</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> FEEDAP Working Group on Copper; NDA DRVs for Minerals; GMO Foods and feedstuffs NutriTox</p> <p><b>Dates:</b> see nature of interest</p>	None	N/A
	<b>Royal College of Physicians</b>	<p><b>Nature of interest:</b> Chair of Nutrition Committee</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> nutrition support, policy and practice for the RCP</p> <p><b>Dates:</b> 2015 to present</p>		
<b>Ms Gill Fine</b>	<b>Sainsbury's</b>	<p><b>Nature of interest:</b> Ex-employee</p> <p><b>Financial:</b> (yes), shareholdings (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 1986 to present</p>	None	N/A

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Agriculture and Horticulture Development Board</b>	<p><b>Nature of interest:</b> Interim chair and independent sector board member for AHDB Beef and Lamb</p> <p><b>Financial:</b> yes, expenses reimbursed and honoraria received (<i>Amount received per annum over £5,000: yes</i>);</p> <p><b>Subject matter:</b> governance issues and providing insights from a public health nutrition perspective</p> <p><b>Dates:</b> 2014 to 2015</p>		
	<b>British Nutrition Foundation</b>	<p><b>Nature of interest:</b> Trustee and scientific governor</p> <p><b>Financial:</b> yes, expenses reimbursed (<i>Amount received per annum over £5,000: no</i>);</p> <p><b>Subject matter:</b> governance issues and providing insights from a public health nutrition perspective</p> <p><b>Dates:</b> 2014 to 2015</p>		
	<b>Dementia UK Cornwall Funding Group</b>	<p><b>Nature of interest:</b> Vice chair</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> voluntary fundraising</p> <p><b>Dates:</b> 2013 to 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Musgrave Group</b>	<p><b>Nature of interest:</b> Consultancy and vice chair at meeting</p> <p><b>Financial:</b> yes, fee received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> strategic issues and providing insights from a public health nutrition perspective</p> <p><b>Dates:</b> May 2015 to present</p>		
<b>Professor Paul Haggarty</b>	<b>Café Direct</b>	<p><b>Nature of interest:</b> Shareholder</p> <p><b>Financial:</b> yes, shareholdings (<i>value of shares over £5,000:</i> no);</p> <p><b>Subject matter:</b> fairtrade coffee and tea</p> <p><b>Dates:</b> 2014 to present</p>	<b>Scottish Government</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> research on food and health</p> <p><b>Dates:</b> 2011 to 2016</p>
	<b>GlaxoSmithKline</b>	<p><b>Nature of interest:</b> Shareholder</p> <p><b>Financial:</b> yes, shareholdings (value of shares over £5,000: no);</p> <p><b>Subject matter:</b> prescription medicines, vaccines and consumer healthcare products</p> <p><b>Dates:</b> 2014 to June 2015</p>	<b>Biotechnology and Biological Sciences Research Council and Economic and Social Research Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> research on epigenetics and cognition and mood</p> <p><b>Dates:</b> 2015 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Astra Zeneca</b>	<p><b>Nature of interest:</b> Shareholder</p> <p><b>Financial:</b> yes, shareholdings (value of shares over £5,000: no);</p> <p><b>Subject matter:</b> pharmaceuticals</p> <p><b>Dates:</b> 2014 to June 2015</p>		
	<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> bioscience for health strategy advisory panel</p> <p><b>Dates:</b> 2014 to 2015</p>	<b>Aberdeen Gates Trust</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> research on genetics and breast cancer susceptibility</p> <p><b>Dates:</b> 2008 to 2016</p>
	<b>EU Joint Programming Initiative Evaluation Panel</b>	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> yes, travel or subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> a healthy diet for a healthy life; transnational research on nutrition and cognitive function</p> <p><b>Dates:</b> 2015</p>	<b>Friends of Anchor (medical charity)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> pilot study on epigenetics and breast cancer susceptibility</p> <p><b>Dates:</b> 2015 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Royal College of Physicians of Edinburgh	<p><b>Nature of interest:</b> Session chair</p> <p><b>Financial:</b> yes, travel or subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> food and obesity conference</p> <p><b>Dates:</b> October 2015</p>		
	Department of Health	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> yes, travel or subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> commissioning panel for iodine and health research project(s)</p> <p><b>Dates:</b> March 2015</p>		
Professor Tim Key	Vegetarian Society	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> no</p> <p><b>Subject matter:</b> none;</p> <p><b>Dates:</b> 1977 to present</p>	None	N/A
	Vegan Society	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> no</p> <p><b>Subject matter:</b> none;</p> <p><b>Dates:</b> 1977 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Susan Lanham-New	D3TEX Ltd	<p><b>Nature of interest:</b> Research Director</p> <p><b>Financial:</b> yes, shareholdings (<i>Value of shares over £5,000:</i> no);</p> <p><b>Subject matter:</b> develop an effective and cost-efficient textile-based solution to help combat vitamin D deficiency in veiled women</p> <p><b>Dates:</b> 2007 to present</p>	Ministry of Defence	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> vitamin D research ODIN project</p> <p><b>Dates:</b> 2014 to 2017</p>
	Kellogg's	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> talk on European vitamin D intakes</p> <p><b>Dates:</b> September 2015</p>	European Union	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> vitamin D research ODIN project</p> <p><b>Dates:</b> 2014 to 2017</p>
			BBSRC DRINC	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> vitamin D2 comparison to vitamin D3</p> <p><b>Dates:</b> 2011 to 2015</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Julie Lovegrove	Federation of European Nutrition Societies	<p><b>Nature of interest:</b> Presentation at meeting</p> <p><b>Financial:</b> yes, travel or subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> unsaturated fats, are higher intakes beneficial?</p> <p><b>Dates:</b> October 2015</p>	European Union	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> Food4Me personalised nutrition: n integrated analysis of opportunities and challenges</p> <p><b>Dates:</b> 2011 to 2015</p>
			British Heart Foundation	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> the physiological importance and integration of receptor-mediated inhibitory mechanisms in platelets in health and disease</p> <p><b>Dates:</b> 2015 to 2020</p>
			Barham Benevolent Foundation	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> vitamin D enrichment of milk: acute human intervention study</p> <p><b>Dates:</b> 2013 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Medical Research Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> reducing cardiovascular disease risk through replacement of saturated fat in milk and dairy products</p> <p><b>Dates:</b> 2013 to 2016</p>
			<b>AHDB Dairy</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research project funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> the supply of a desktop study to evaluate the environmental, nutritional and value for money benefits of including dairy in the GB diet</p> <p><b>Dates:</b> 2012 to 2015</p>
			<b>Danone</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research project funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> yogurt consumption in the UK population: contribution to nutrient intakes, dietary patterns and associations with health biomarkers - NDNS Year 1-4 of the rolling program</p> <p><b>Dates:</b> 2015</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>DSM</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research project funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> impact of vitamin D and 25(OH) D3 on milk enrichment</p> <p><b>Dates:</b> 2014 to 2015</p>
<b>Professor Ian Macdonald</b>	<b>Nature Publishing Group</b>	<p><b>Nature of interest:</b> Editor International Journal of Obesity</p> <p><b>Financial:</b> yes, honorarium received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> editing the journal;</p> <p><b>Dates:</b> 2005 to present</p>	<b>European Hydration Institute</b>	<p><b>Nature of interest:</b> Speaker at a seminar and author of a paper;</p> <p><b>Financial:</b> yes, honorarium received, paid to University of Nottingham (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> implications of beverage choices for metabolic and cardiovascular health;</p> <p><b>Dates:</b> April 2014 to July 2015</p>
	<b>Nestle Research Center</b>	<p><b>Nature of interest:</b> Speaker at seminar and discussed research</p> <p><b>Financial:</b> yes, travel and accommodation reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> seminar on nutrition through the lifecycle</p> <p><b>Date</b> September 2015</p>	<b>Mars Incorporated</b>	<p><b>Nature of interest:</b> Presence on Mars Scientific Advisory Council as a Waltham Centre for Pet Nutrition research advisor</p> <p><b>Financial:</b> yes, honorarium received, paid to University of Nottingham (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> advice on nutrition research</p> <p><b>Dates:</b> 2014 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Nestle Research Center</b>	<p><b>Nature of interest:</b> Consultancy for Nutrition in the Life Cycle research</p> <p><b>Financial:</b> yes, travel and accommodation reimbursed. Honorarium paid to the University of Nottingham; (<i>Amount received per annum over £5,000: no</i>)</p> <p><b>Subject matter:</b> advice on research plans to study Nutrition through the lifecycle</p> <p><b>Date</b> December 2015 to present</p>	<b>Unilever</b>	<p><b>Nature of interest:</b> University lead in strategic link with Unilever</p> <p><b>Financial:</b> yes, University of Nottingham receives PhD student and research project funding (<i>Amount received per annum over £5,000: yes</i>)</p> <p><b>Subject matter:</b> research</p> <p><b>Dates:</b> 2014 to present</p>
	<b>Mars Incorporated-Waltham Centre for Pet Nutrition</b>	<p><b>Nature of Interest:</b> Peer-review of pet nutrition research projects</p> <p><b>Financial:</b> yes, honorarium received (<i>Amount received per annum over £5,000: no</i>);</p> <p><b>Subject matter:</b> pet nutrition research</p> <p><b>Date:</b> 2015 to present</p>	<b>Unilever</b>	<p><b>Nature of interest:</b> Scientific adviser to Unilever ethical review process</p> <p><b>Financial:</b> yes, honorarium will be paid to University of Nottingham (<i>Amount received per annum over £5,000: no work has yet been carried out</i>);</p> <p><b>Subject matter:</b> review of ethical submissions for human research</p> <p><b>Dates:</b> 2015 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Mars UK/Europe	<p><b>Nature of Interest:</b> Member of Nutrition Advisory Board, and Health and Wellbeing Committee</p> <p><b>Financial:</b> yes, travel and subsistence costs reimbursed. Honorarium paid to the University of Nottingham (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> expert advice on human nutrition and on broader aspects of Health and Wellbeing</p> <p><b>Date:</b> October 2015 to present</p>	Mars Incorporated, Technology Strategy Board (Innovate UK) and BBSRC	<p><b>Nature of interest:</b> Research project grant</p> <p><b>Financial:</b> yes, BBSRC research funding to the University of Nottingham (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> dietary carbohydrates</p> <p><b>Dates:</b> 2014 to 2017</p>
	Food and Drink Innovation Network	<p><b>Nature of interest:</b> Speaker at two symposia on carbohydrates and health</p> <p><b>Financial:</b> yes, travel, accommodation and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> first lecture ‘Good carbs, Bad carbs’, second lecture ‘the SACN Carbohydrate report’</p> <p><b>Dates:</b> March and September 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Life Sciences Institute	<p><b>Nature of interest:</b> Member of EU task force</p> <p><b>Financial:</b> yes, economy travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> dietary carbohydrates</p> <p><b>Date:</b> since July 2015</p>		
	Top Institute for Food & Nutrition	<p><b>Nature of interest:</b> Talk and award presentation in the Netherlands</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> plenary talk on academic/industrial collaborations in nutrition research opportunities and challenges</p> <p><b>Date:</b> May 2015</p>		
	Ikea	<p><b>Nature of interest:</b> Member of Science and Health Committee</p> <p><b>Financial:</b> yes, travel and subsistence costs reimbursed. Honorarium paid to the University of Nottingham (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> expert advice on food, lifestyle and health</p> <p><b>Date:</b> October 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Harry McArdle	European Food Safety Authority	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> member of Dietetic Products, Nutrition and Allergies Panel (NDA), and working groups on Health Claims, Novel Foods, and DRVs;</p> <p><b>Dates:</b> June 2015 to present</p>		
Dr David Mela	Unilever	<p><b>Nature of interest:</b> Employee</p> <p><b>Financial:</b> yes, shareholdings (<i>Value of shares over £5,000:</i> yes);</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2005 to present</p>	None	N/A
Mrs Gemma Paramor	None	N/A	None	N/A

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Hilary Powers	World Cancer Research Fund	<p><b>Nature of interest:</b> Deputy chair WCRF continuous update panel</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> diet and cancer</p> <p><b>Dates:</b> 2012 to date</p>	World Cancer Research Fund	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> methyl donors and oral cancer</p> <p><b>Dates:</b> 2013-15</p>
	Tropical Health Education Trust	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> yes, fee received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> human nutrition capacity building in Zambia</p> <p><b>Dates:</b> January to June 2016</p>	Kellogg's	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> breakfast and energy expenditure</p> <p><b>Dates:</b> 2016</p>
Professor Monique Raats	Woodhead Publishing Ltd, now Elsevier	<p><b>Nature of interest:</b> Book editor</p> <p><b>Financial:</b> yes, royalties related to "Raats MM, de Groot CPGM, van Staveren WA (Eds.) (2008) Food for the ageing population. Woodhead Publishing Limited" (<i>Amount received per annum over £5,000:</i> no)</p> <p><b>Subject matter:</b> food for the ageing population</p> <p><b>Dates:</b> 2009 to present</p>	Medical Research Council	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> front of pack food labelling: impact on consumer choice</p> <p><b>Dates:</b> 2012 to 2016</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Choices International</b>	<p><b>Nature of interest:</b> Member of the European Scientific Committee for the Choices programme</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> front of pack food labelling</p> <p><b>Dates:</b> 2010 to present</p>	<b>European Commission (FP7)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> reduction of disease risk claims on food and drinks</p> <p><b>Dates:</b> 2013 to 2016</p>
	<b>European Commission's Joint Research Centre</b>	<p><b>Nature of interest:</b> JRC foresight study participant</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> tomorrow's healthy society – research priorities for foods and diet</p> <p><b>Dates:</b> 2013 to 2015</p>	<b>Food Standards Agency</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> preferences of those with food allergies and/or intolerances when eating out</p> <p><b>Dates:</b> 2014 to 2016</p>
	<b>Baker Street Area Neighbourhood Association</b>	<p><b>Nature of interest:</b> Member of the management committee</p> <p><b>Financial:</b> no</p> <p><b>Subject matter:</b> community development in Reading, UK</p> <p><b>Dates:</b> 2014 to present</p>	<b>Food Standards Agency</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> systematic review of the relative proportion of foodborne disease caused by faults in food preparation or handling within the home</p> <p><b>Dates:</b> 2016 to 2017</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Choices International</b>	<p><b>Nature of interest:</b> Speaker at World Congress of Public Health Nutrition</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> UK experiences and data on product improvements (salt reduction) and influencing consumers' choices</p> <p><b>Dates:</b> 2015</p>	<b>Optimum Health Clinic Foundaton</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> the role of integrative medicine for Chronic Fatigue Syndrome and Myalgic Encephalomyelitis (CFS/ME)</p> <p><b>Dates:</b> 2015 to 2018</p>
	<b>Netherlands Organisation for Scientific Research (NWO)</b>	<p><b>Nature of interest:</b> Proposal reviewer</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> responsible innovation</p> <p><b>Dates:</b> 2015</p>	<b>European Commission (H2020)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> research infrastructure on consumer health and food intake for e-science with linked data sharing</p> <p><b>Dates:</b> 2015 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Sabri Ulker Food Research Foundation</b>	<p><b>Nature of interest:</b> Speaker - Sabri Ülker Food Research Foundation Nutrition Summit</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed, coffee cup set and an electronic photo displayer with photos of presentation reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> food-related health and wellbeing across the lifespan</p> <p><b>Dates:</b> 2015</p>	<b>Safefood</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p><b>Subject matter:</b> the impact of cooking and related food skills on healthiness of diets</p> <p><b>Dates:</b> 2014 to 2016</p>
	<b>European Sensory Network (ESN)</b>	<p><b>Nature of interest:</b> speaker at international workshop on food-related wellbeing</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> food-related wellbeing</p> <p><b>Dates:</b> 2015</p>	<b>Safefood</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p><b>Subject matter:</b> investigation into the balance of healthy versus less-healthy food promotions among Republic of Ireland food retailers</p> <p><b>Dates:</b> 2016 to 2017</p>
	<b>Eurasanté</b>	<p><b>Nature of interest:</b> Speaker at Nutrevent</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> food labelling</p> <p><b>Dates:</b> 2015</p>	<b>Safefood</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p><b>Subject matter:</b> Do nutrient and health claims have an impact on the perceived healthiness and the amount of food/meals eaten by adults on the Island of Ireland?</p> <p><b>Dates:</b> 2016 to 2017</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	DG Sante	<p><b>Nature of interest:</b> Panel member at DG SANTE's EXPO conference 'Nutrition, Health and Food Information - Know what you eat'</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> food labelling</p> <p><b>Dates:</b> 2015</p>		
Professor Ian Young	MSD	<p><b>Nature of interest:</b> Lectures/consultancy</p> <p><b>Financial:</b> yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> clinical management of hypercholesterolaemia and clinical management of hyperglycaemia.</p> <p><b>Dates:</b> various dates prior to September 2015</p>	None	N/A
Professor Angus Walls	GlaxoSmithKline	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> oral healthcare for older people</p> <p><b>Dates:</b> 2014 to present</p>	GlaxoSmithKline	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> yes, research funding jointly with University of Sheffield (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> attitudes of older consumers to Oral Health Care a qualitative study</p> <p><b>Dates:</b> 2014 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Oral and Dental Research Trust</b>	<p><b>Nature of interest:</b> Director and chair</p> <p><b>Financial:</b> no</p> <p><b>Subject matter:</b> charity that funds oral and dental research</p> <p><b>Dates:</b> 2013 to present</p>	<b>GlaxoSmithKline</b>	<p><b>Nature of interest:</b> BBSRC CASE studentship sponsored by GlaxoSmithKline</p> <p><b>Financial:</b> yes, student funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p><b>Subject matter:</b> barriers to achieving a high standard of personal oral health care</p> <p><b>Dates:</b> 2016 to 2019</p>
<b>Dr Stella Walsh</b>	<b>Kraft-Heinz Company</b>	<p><b>Nature of interest:</b> Consumer member</p> <p><b>Financial:</b> yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> advising on consumer trends;</p> <p><b>Dates:</b> 2013 to 2016</p>	None	N/A
	<b>National Federation of Consumers</b>	<p><b>Nature of interest:</b> Consumer member</p> <p><b>Financial:</b> (no);</p> <p><b>Subject matter:</b> member of food network, responses made to government consultations on food issue;</p> <p><b>Dates:</b> 1980 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Anthony Williams	GlaxoSmithKline	<p><b>Nature of interest:</b> Shareholder</p> <p><b>Financial:</b> yes, shareholdings (<i>Value of shares over £5,000</i>: no);</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2014 to 2015</p>	None	N/A
	UK Association for Milk Banking	<p><b>Nature of interest:</b> Patron</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> advice upon, and advocacy for, use of human milk in neonatal and paediatric settings;</p> <p><b>Dates:</b> 2014 to 2015</p>		
	Women and Children First (UK)	<p><b>Nature of interest:</b> Trustee of charity</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> advocacy for improved maternal and child health in poor countries;</p> <p><b>Dates:</b> 2002 to 2015</p>		
	Unicef (UK)	<p><b>Nature of interest:</b> Honorary fellow</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> advocacy for child health including promotion, protection and support of breastfeeding in the United Kingdom;</p> <p><b>Dates:</b> 2005 to 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Baby Milk Action</b>	<p><b>Nature of interest:</b> Voluntary professional advisor</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> provision of advice on matters related to infant and child nutrition;</p> <p><b>Dates:</b> 2000 to 2015</p>		
<b>Professor Charlotte Wright</b>	<b>Nutrition and Growth International Congress</b>	<p><b>Nature of interest:</b> Attendance at conference in Paris</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> speaking at conference on growth charts</p> <p><b>Dates:</b> February 2012</p>	<b>Medical Research Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> the role of weight gain in the identification of under and over nutrition</p> <p><b>Dates:</b> 2012 to 2016</p>
	<b>Department of Health, Hong Kong</b>	<p><b>Nature of interest:</b> Conference attendance</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> speaking at conference on maternal and child health, on growth charts and weight faltering</p> <p><b>Dates:</b> September 2012</p>	<b>Chief Scientists Office, Scotland</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> the role of weight gain in the identification of under and over nutrition</p> <p><b>Dates:</b> 2013 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>University of Minnesota, funding from US Department of Agriculture and the Health Resources and Services Administration</b>	<b>Nature of interest:</b> Lecturer <b>Financial:</b> yes, honoraria received ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> complementary feeding and breast feeding <b>Dates:</b> October 2014	<b>Yorkhill Children's Charity</b>	<b>Nature of interest:</b> Research grant <b>Financial:</b> yes, research funding received ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> the role of weight gain in the identification of under and over nutrition <b>Dates:</b> 2013 to 2016



## SACN Subgroup on Maternal and Child Nutrition – declarations of interest

Member	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
	Organisation	Details	Organisation	Details
Professor Annie Anderson	Bowel Cancer UK	<p><b>Nature of interest:</b> Member, advisory board</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> bowel cancer</p> <p><b>Dates:</b> 2006 to present</p>	Institute for Cardiovascular Research	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, PhD student funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> the impact of a brief versus multiple contact lifestyle intervention on initiation and maintenance of lifestyle change, body weight and cardio-vascular risk factors in participants who have undertaken cardio-vascular risk screening</p> <p><b>Dates:</b> 2010 to 2015</p>
	Scottish Cancer Foundation	<p><b>Nature of interest:</b> Member, board of directors</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> cancer</p> <p><b>Dates:</b> 2006 to present</p>	EU Framework 6	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> social innovation to improve physical activity and sedentary behaviour through elite European Football Clubs</p> <p><b>Dates:</b> 2013 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Scottish Cancer Prevention Network</b>	<p><b>Nature of interest:</b> Co-director</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> cancer prevention</p> <p><b>Dates:</b> 2009 to present</p>	<b>Scottish Government</b>	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> a feasibility study to assess the delivery of a lifestyle intervention for colorectal cancer patients undergoing potentially curative treatment</p> <p><b>Dates:</b> 2013 to 2015</p>
	<b>Breast Cancer Now (Scotland)</b>	<p><b>Nature of interest:</b> Breast cancer NOW policy advisor</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> breast cancer</p> <p><b>Dates:</b> 2012 to present</p>	<b>Scottish Government</b>	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> a pilot study of the feasibility and patient-related outcomes of performing a walking intervention in patients undergoing treatment for rectal cancer</p> <p><b>Dates:</b> 2014 to 2016</p>
	<b>First Steps Nutrition Trust</b>	<p><b>Nature of interest:</b> Patron</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> maternal and child nutrition</p> <p><b>Dates:</b> 2015 to present</p>	<b>National Institute for Health Research</b>	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> long term weight loss trajectories in participants in a randomised controlled trial of a weight management and healthy lifestyle programme for men delivered through professional football clubs.</p> <p><b>Dates:</b> 2015 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>MRC-NPRI Scientific Committee of National Prevention Research Initiative</b>	<b>Nature of interest:</b> Chair <b>Financial:</b> yes, travel reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> nutrition research <b>Dates:</b> 2004 to present	<b>Surgical Endowment Funds</b>	<b>Nature of interest:</b> research <b>Financial:</b> yes, research funding received ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> lifestyle in patients at increased risk of colorectal cancer <b>Dates:</b> 2014 to 2016
	<b>Scottish Government</b>	<b>Nature of interest:</b> Advisor <b>Financial:</b> no; <b>Subject matter:</b> review of infant feeding survey <b>Dates:</b> 2015 to present	<b>NHS Health Scotland</b>	<b>Nature of interest:</b> research grant <b>Financial:</b> yes, research funding received ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> diet and excess mortality in Glasgow and Scotland: Exploring differences in diet and nutrition <b>Dates:</b> 2014 to 2015
	<b>Population Health Services research Committee</b>	<b>Nature of interest:</b> Member <b>Financial:</b> yes, travel and subsistence reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> research awards <b>Dates:</b> 2015 to present	<b>Scottish Government</b>	<b>Nature of interest:</b> research grant <b>Financial:</b> yes, research funding received ( <i>Amount received per annum over £5,000:</i> yes); <b>Subject matter:</b> a feasibility study to assess the impact of a lifestyle intervention in people attending family history clinics with an increased risk of colorectal or breast cancer <b>Dates:</b> 2015 to 2016

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Health Services and Population Health Committee, Scottish Government</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> population health</p> <p><b>Dates:</b> 2015 to present</p>	<b>NHS Health Scotland</b>	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> process evaluation of the implementation of universal free school meals</p> <p><b>Dates:</b> 2014 to 2016</p>
	<b>European Code Against Cancer</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> Scottish Cancer Prevention Network conference</p> <p><b>Dates:</b> February 2015</p>	<b>Scottish Government</b>	<p><b>Nature of interest:</b> research grant</p> <p><b>Financial:</b> yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> stratifying risk of colorectal disease in order to direct the use of colonoscopy in symptomatic patients</p> <p><b>Dates:</b> 2015 to 2017</p>
	<b>Rank Prize Funds</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> dietary change and cancer prevention</p> <p><b>Dates:</b> February 2015</p>		
	<b>Bowel Cancer UK and Macmillan</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> bowel cancer prevention</p> <p><b>Dates:</b> March 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>BAPEN (Scotland)</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> primary and secondary cancer prevention, what should we be advising?</p> <p><b>Dates:</b> March 2015</p>		
	<b>College of Surgeons of Australia, and Edinburgh</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> weight control and breast cancer</p> <p><b>Dates:</b> May 2015</p>		
	<b>World Cancer Research Fund</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> how to make every contact count- starting the cancer prevention journey</p> <p><b>Dates:</b> June and December 2015</p>		
	<b>European Cancer Congress</b>	<p><b>Nature of interest:</b> Presentation</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> body weight, exercise and colorectal cancer</p> <p><b>Dates:</b> September 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Nutrition & Dietetics (Dieticians Association of Australia)	<b>Nature of interest:</b> Editorial Board member <b>Financial:</b> no; <b>Subject matter:</b> editorial <b>Dates:</b> 2014 to present		
	Health Promotion Journal of Australia	<b>Nature of interest:</b> Editorial Board member <b>Financial:</b> no; <b>Subject matter:</b> editorial <b>Dates:</b> 2013 to present		
	International Journal of Behaviour, Nutrition and Physical Activity	<b>Nature of interest:</b> Editorial Board member <b>Financial:</b> no; <b>Subject matter:</b> editorial <b>Dates:</b> 2007 to present		
	Journal of Human Nutrition and Dietetics	<b>Nature of interest:</b> Editorial Board member <b>Financial:</b> no; <b>Subject matter:</b> editorial <b>Dates:</b> 1992 to present		
Professor Mairead Kiely	NHS Trust	<b>Nature of interest:</b> Speaker <b>Financial:</b> yes, honoraria received, travel expenses reimbursed ( <i>Amount received per annum over £5,000</i> : no); <b>Subject matter:</b> child nutrition; <b>Dates:</b> November 2013	European Commission	<b>Nature of interest:</b> Research <b>Financial:</b> yes, research funding ( <i>Amount received per annum over £5,000</i> : yes); <b>Subject matter:</b> research on effects of bioactive constituents on cardiovascular health; <b>Dates:</b> 2012 to 2016

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Abbott	<p><b>Nature of interest:</b> Speaker</p> <p><b>Financial:</b> yes, honoraria received, travel expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> child nutrition;</p> <p><b>Dates:</b> December 2014</p>	European Commission	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> ODIN: develop effective, safe &amp; sustainable food-based solutions to eradicate vitamin D deficiency &amp; improve health across the life cycle</p> <p><b>Dates:</b> 2013 to 2017</p>
	Danone Early Life Nutrition	<p><b>Nature of interest:</b> Speaker</p> <p><b>Financial:</b> yes, honoraria received, travel expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> child nutrition;</p> <p><b>Dates:</b> October 2013</p>	Irish Government Department of Agriculture and Food	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> research on effects of polyphenols on cardiovascular disease;</p> <p><b>Dates:</b> 2013 to 2017</p>
			National Children's Research Centre, Dublin, Ireland	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> Cork BASELINE Birth Cohort;</p> <p><b>Dates:</b> 2008 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			Science Foundation Ireland	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> PINPOINT Personalised nutrition for the preterm infant;</p> <p><b>Dates:</b> 2015 to 2018</p>
			Danone Early Life Nutrition	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> research on effects of iron on neurocognitive outcomes in young children;</p> <p><b>Dates:</b> 2012 to 2016</p>
			Danone Early Life Nutrition	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> PINPOINT Personalised nutrition for the preterm infant;</p> <p><b>Dates:</b> 2015 to 2018</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Mead Johnson Nutrition</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> COMBINE Cork Nutrition and Microbiome Maternal-Infant Cohort Study;</p> <p><b>Dates:</b> 2015 to 2020</p>
			<b>Fresenius Kabi</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> PINPOINT Personalised nutrition for the preterm infant;</p> <p><b>Dates:</b> 2015 to 2018</p>
			<b>Crème Global Nutrition</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> PINPOINT Personalised nutrition for the preterm infant;</p> <p><b>Dates:</b> 2015 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Ken Ong	International Life Sciences Institute, Europe	<p><b>Nature of interest:</b> Chair, advisory group</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed etc) (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> early growth velocity and risk of metabolic disorders later in life</p> <p><b>Dates:</b> 2013 to present</p>	Pfizer Ltd	<p><b>Nature of interest:</b> Member, KIGS steering committee</p> <p><b>Financial:</b> yes, honoraria paid to University of Cambridge, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> use of the KIGS database to monitor growth hormone treatment</p> <p><b>Dates:</b> 2013 to present</p>
	Haymarket	<p><b>Nature of interest:</b> Book editor</p> <p><b>Financial:</b> yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> European Society for Paediatric Endocrinology Yearbook of Paediatric Endocrinology</p> <p><b>Dates:</b> 2015 to present</p>		
	Nestle Nutrition Institute	<p><b>Nature of interest:</b> Chair and presenter at workshop</p> <p><b>Financial:</b> yes, honoraria received, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> relevance of infant feeding to long-term health outcomes</p> <p><b>Dates:</b> 2016</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Alan Jackson	Nutrition Institute for Health Research, Department of Health: Nutrition Research	<p><b>Nature of interest:</b> Director for nutrition research</p> <p><b>Financial:</b> yes, research income, salary, administrative support received (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> health research</p> <p><b>Dates:</b> 2015 to 2016</p>	Gilead Sciences Ltd	<p><b>Nature of interest:</b> Son in employment</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> on-going</p>
	Association for Nutrition	<p><b>Nature of interest:</b> President/Chair/Trustee</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> professional regulator</p> <p><b>Dates:</b> 2015 to present</p>	Department for International Development	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> yes, research grant (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> research grant through PATH for development of educational tools</p> <p><b>Dates:</b> 2014 to 2017</p>
	World Cancer Research Fund	<p><b>Nature of interest:</b> Chair of the continuous update committee</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> health research</p> <p><b>Dates:</b> 2008 to 2016</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>World Health Organization</b>	<p><b>Nature of interest:</b> Nutrition Topic Advisory Group: Chair of guideline development group</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> obesity in childhood and adolescence</p> <p><b>Dates:</b> 2015 to present</p>		
	<b>Hugh Sinclair Trust, Reading University</b>	<p><b>Nature of interest:</b> Member of Trust Advisory Board</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2015 to present</p>		
	<b>International Malnutrition Task Force</b>	<p><b>Nature of interest:</b> Chair</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> malnutrition</p> <p><b>Dates:</b> 2015 to present</p>		
<b>Professor Sian Robinson</b>	<b>First Steps Nutrition Trust</b>	<p><b>Nature of interest:</b> Trustee</p> <p><b>Financial:</b> no;</p> <p><b>Subject matter:</b> maternal and child nutrition</p> <p><b>Dates:</b> 2015 onwards</p>	None	N/A

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Biotechnology and Biological Sciences Research Council	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> grant awards</p> <p><b>Dates:</b> 2016 onwards</p>		

### SACN Vitamin D Working Group – declarations of interest

Member	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
	Organisation	Details	Organisation	Details
Professor Kevin Cashman	None	N/A	None	N/A
Professor Roger Francis	Internis	<p><b>Nature of interest:</b> Chair of advisory board</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (Amount received per annum over £5,000: no);</p> <p><b>Subject matter:</b> clinical management of vitamin D deficiency</p> <p><b>Dates:</b> 2013 to 2015</p>	None	N/A
	Consilient	<p><b>Nature of interest:</b> Advisor, chair of advisory board and speaker at meetings in 2015</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (Amount received per annum over £5,000: no in 2013 to 2014, yes in 2015);</p> <p><b>Subject matter:</b> clinical management of vitamin D deficiency</p> <p><b>Dates:</b> 2013 to 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Takeda Ltd	<p><b>Nature of interest:</b> Speaker at educational meeting</p> <p><b>Financial:</b> yes, honoraria received, travel and subsistence reimbursed (Amount received per annum over £5,000: no);</p> <p><b>Subject matter:</b> clinical use of calcium and vitamin D supplementation</p> <p><b>Dates:</b> 2014 to 2015</p>		
	ProtrakAn	<p><b>Nature of interest:</b> Video presentation</p> <p><b>Financial:</b> yes, honoraria received (Amount received per annum over £5,000: no);</p> <p><b>Subject matter:</b> National Osteoporosis Society Practical Clinical Guideline on vitamin D</p> <p><b>Dates:</b> 2014 to 2015</p>		

**SACN Military Energy DRVs Working Group – declarations of interest**

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Lieutenant Colonel Dr Christian Ardley	None	N/A	None	N/A



## SACN Fats Working Group – declarations of interest

Member	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
	Organisation	Details	Organisation	Details
Dr Jules Griffin	GlaxoSmithKline	<p><b>Nature of interest:</b> Shareholder</p> <p><b>Financial:</b> (yes), shareholdings (<i>Value of shares over £5,000</i>: no);</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2015 to 2016</p>	GlaxoSmithKline	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> yes, post-doc funding (<i>Amount received per annum over £5,000</i>: yes);</p> <p><b>Subject matter:</b> advising on fat reformulation of chocolate and other confectionary</p> <p><b>Dates:</b> 2015 to 2016</p>
			National Institute of Health	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000</i>: yes);</p> <p><b>Subject matter:</b> investigating mitotoxicology</p> <p><b>Dates:</b> 2015 to 2016</p>
			European Union	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000</i>: yes);</p> <p><b>Subject matter:</b> developing bioinformatics tools for metabolomics</p> <p><b>Dates:</b> 2015 to 2016</p>
			Biotechnology and Biological Sciences Research Council	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> yes, research funding (<i>Amount received per annum over £5,000</i>: yes);</p> <p><b>Subject matter:</b> developing bioinformatics tools for metabolomics</p> <p><b>Dates:</b> 2015 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Christine Williams	British Nutrition Foundation	<p><b>Nature of interest:</b> Chair of the board of trustees and governor</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> governance of the BNF</p> <p><b>Dates:</b> 2015 to 2016</p>	Mars Incorporated	<p><b>Nature of interest:</b> Member of Mars Scientific Advisory Group UK and expert advisor at health and wellbeing workshop (Washington) 2015</p> <p><b>Financial:</b> yes, honoraria paid to the University of Reading (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> advising on: i) Mars strategy for fat reduction and ii) Mars Inc future strategy on health and wellness</p> <p><b>Dates:</b> 2013 to 2014</p>
	Scottish Rural University College Board	<p><b>Nature of interest:</b> Non-executive director</p> <p><b>Financial:</b> yes, honoraria, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> yes);</p> <p><b>Subject matter:</b> governance of SRUC</p> <p><b>Dates:</b> 2014 to 2015</p>		
	Rank Prize Nutrition Advisory Panel	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> organisation of science symposia and biannual Rank Prize</p> <p><b>Dates:</b> 2015 to 2016</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>BBSRC Agriculture and Food Security Strategy Panel</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> strategic science advice</p> <p><b>Dates:</b> 2014 to 2016</p>		
	<b>BBSRC Research Advisory Board</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> strategic science advice</p> <p><b>Dates:</b> 2014 to 2016</p>		
	<b>Governing Body of the Institute of Food Research</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p><b>Subject matter:</b> strategic science advice and governance matters</p> <p><b>Dates:</b> 2014 to 2016</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Scientific Advisory Council for Wales</b>	<b>Nature of interest:</b> Member <b>Financial:</b> yes, travel and subsistence reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> scientific advice to Welsh CSO / Welsh Government <b>Dates:</b> 2015 to 2016		
	<b>European Food Information Council Scientific Advisory Group</b>	<b>Nature of interest:</b> Speaker <b>Financial:</b> yes, travel and subsistence reimbursed ( <i>Amount received per annum over £5,000:</i> no); <b>Subject matter:</b> gave lecture to Science Advisory Group on saturated fats <b>Dates:</b> September 2015		

## COMA reports and further consideration by SACN

Reports published by the Committee on Medical Aspects of Food Policy (COMA) since 1990 and relevant SACN reports in which COMA recommendations have been considered further.

***The Fortification of Yellow Fats with Vitamins A and D.*** Report of the Working Group on the Fortification of Yellow Fats. Report on Health and Social Subjects No. 40. DH: HMSO 1991

2005: [SACN Review of Dietary Advice on Vitamin A.](#)

***Dietary Reference Values for Food Energy and Nutrients for the United Kingdom.*** Report of the Panel on Dietary Reference Values. Report on Health and Social Subjects No. 41. DH: HMSO 1991

2003: [SACN Salt and Health report.](#)

2011: [SACN Iron and Health report.](#)

2011: [SACN Dietary Reference Values for Energy report.](#)

2015: [SACN Carbohydrates and Health report.](#)

***The Nutrition of Elderly People.*** Report of the Working Group on the Nutrition of Elderly People Report on Health and Social Subjects No. 43. DH: HMSO 1992

***The Nutritional Assessment of Novel Foods and Processes.*** Report of the Panel on Novel Foods of the Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 44. DH: HMSO 1993

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SACN reports can be found on the [SACN reports and position statements page of GOV.UK.](#)