



Annual Report 2016

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Foreword

It is my pleasure to introduce the 16th annual report of the Scientific Advisory Committee on Nutrition (SACN), which covers the work of the committee in 2016.

Following the conclusion of the public consultation, the committee published its Vitamin D and Health report in July 2016. This report was the product of immense effort and hard work by the members of the Vitamin D Working Group, whom I would like to thank on behalf of SACN.

In April, the committee published an updated and comprehensive version of its code of practice and, alongside it, instituted a 'live' register of members' declarations of interest.

This year, in response to a request from Food Standards Scotland (FSS), SACN began another piece of work on folic acid. This involves carrying out a review of major new pieces of evidence published since the committee's 2006 and 2009 reports on folate and folic acid in order to assess whether its previous advice still stands. SACN is working closely with FSS, which has commissioned new fortification modelling work, with the aim of providing advice early in 2017.

SACN finalised its position statement on dietary reference values for energy for those military roles with energy requirements different from those of the general UK population; this will be published early in 2017. SACN's working group on saturated fats made good progress towards publishing a draft report for consultation at the end of next year by discussing evidence related to cardiovascular disease and to blood lipids at its December meeting this year. SACN also made good progress on its position statement on nutrition, cognitive impairment and dementias.

Meanwhile, the Subgroup on Maternal and Child Nutrition continued to make steady progress on the first part of its review of *Complementary and Young Child Feeding*.

I wish to thank the Committee on Toxicity (COT) for working with us in relation to a number of SACN's deliberations, including potassium-based sodium replacers and the timing of introduction of allergenic foods into the infant diet.

Dr Tony Williams stepped down from SACN this year and I would like to acknowledge his extraordinarily valuable contribution to the committee's work over many years.

Finally, I would 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 2016.



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 was one appointment made through open competition in 2016. Dr Ken Ong, already a member of SACN's Subgroup on Maternal and Child Nutrition, was appointed to the main committee to fill the gap in expertise created when Dr Tony Williams stepped down after many years of service. Dr Ong's term of office, initially for three years, begins on 1 January 2017.

Details of 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

Members must declare all their interests at the time of their appointment and must promptly notify the secretariat of any changes. Before or at the start of every meeting members are asked to declare any changes to their interests, which will be recorded in the minutes. It is the responsibility of each member to indicate if they have an interest in any item of business on the agenda of a meeting of SACN or its subgroup or working groups. SACN's policy on identifying and declaring interests and handling any potential or actual conflict of interests is set out in SACN's [SACN Code of Practice](#).

A 'live' [register of members' interests](#) is maintained on SACN's website; it is updated as soon as possible after an interest is declared. A snapshot of the 'live' register of interests is included 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 group, its subgroup and from colleagues in Scotland, Wales and Northern Ireland are regular features on the agenda.

SACN's work in 2016

This is the sixteenth annual report of SACN and covers the calendar year 2016. The committee and its subgroup and working groups held more meetings than in previous years.

The main committee met three times in 2016, on 24 February, 30 June and 11 November. Dr Ann Prentice chaired all SACN main meetings in 2016.

The Subgroup on Maternal and Child Nutrition met three times in 2016, on 11 January, 5 May and 4 October, and held two drafting meetings.

The Saturated Fats Working Group met three times in 2016, on 11 March, 20 July and 9 December, and held one teleconference meeting.

The joint SACN/COT Potassium-based Sodium Replacers Working Group met twice, on 14 January and 27 September, and held one teleconference meeting.

The joint SACN/COT Working Group on the timing of introduction of allergenic foods into the infant diet met once, on 9 December.

SACN's light-touch review of new evidence on folic acid was conducted by a small group of SACN members who held five teleconferences in 2016. The group reported progress to the main committee in June and a first draft of the report was discussed by the main committee in November.

The Vitamin D Working Group has been disbanded following the completion of its work and publication of the Vitamin D and Health Report.

Work Programme

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

- Review of complementary and young child feeding;
- Potassium-based sodium replacers;
- Military Dietary Reference Values for energy;
- Saturated fats and health;
- Nutrition and cognitive impairment; and
- Folic acid.

Forward Look

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

- Health of women of reproductive age;
- Dietary requirements of older people;
- Dietary fat consumption: percentage of total fat in the diet;
- Nutritional implications of new food technologies and processes;
- Nutrition and ethnicity in the UK.

Watching Brief

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

- 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;
- Folic acid fortification;
- Sustainable healthy diet: to contribute to public health nutrition messages where needed.

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 2016 were:

- Subgroup on Maternal and Child Nutrition
- Saturated Fats Working Group
- Joint SACN/COT Potassium-Based Sodium Replacers Working Group
- Joint SACN/COT Working Group on the timing of introduction of allergenic foods into the infant diet.

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

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 2016 has focussed on the review of the scientific evidence underpinning feeding in the first year of life. The terms of reference for the review and scope of the review were agreed by SACN in 2011. At its meetings in January, May and October 2016, the subgroup discussed the draft review; 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 several SMCN members met on 14 March, 14 June and 21 November and made significant further progress on the review.

To complement this work, the Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) was asked by SACN to conduct a review of the risks of toxicity from chemicals in the infant diet, and examine the evidence relating to the influence of infant diet on development of food allergy, and atopic and auto-immune disease. Close collaboration between the two committees has continued throughout the review process and in December, a joint SACN/COT working group met for the first time to consider the evidence on the timing of introduction of allergenic foods into the infant diet.

In other work in 2016, the subgroup also considered the gaps in infant feeding data collection in the absence of the Infant Feeding Survey and separately, an analysis of data from the Diet and Nutrition Survey of Infant and Young Children on the potential impact of substituting semi-skimmed milk for whole milk in the diets of 12-18 month-olds. A statement on the role of docosahexaenoic acid (DHA) and arachidonic acid (ARA) on infant growth and cognitive development was published in January.

Saturated Fats Working Group

Background

The Saturated 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 Food Standards Scotland.

Terms of reference

- to review the evidence for the relationship between saturated fats and health and make recommendations
- to review evidence on the association between saturated fatty acids and key risk factors and health outcomes at different life stages for the general UK population.

Activity

The Saturated Fats Working Group held three meetings in 2016 and conferred by teleconference on 23 September.

At the March meeting the Working Group agreed the terms of reference. The group also discussed the literature search for systematic reviews, meta-analyses and pooled analyses evaluating studies considering saturated fats and a range of health outcomes; assessing the quality of identified publications; and engaging stakeholders through exercises such as a call for evidence.

In July the Working Group discussed the results of the literature search; using the AMSTAR tool (A Measurement Tool to Assess Systematic Reviews) to assess the quality of identified publications; the methods; and the first drafts of some background and contextual chapters of the report. The Working Group also considered the citations received following the call for evidence which was published on the SACN website on the 25th May 2016 and closed on the 15th June 2016. Five additional publications were identified.

A supplementary teleconference was held in September to enable the group to continue its discussion regarding the methods which were subsequently agreed at the December meeting. The group also began considering the evidence at the December meeting when the first drafts of chapters on saturated fats and blood lipids and saturated fats and cardiovascular disease were discussed.

Joint SACN/COT 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

The joint working group met twice in 2016: on 14 January and 27 September; it also held a supplementary teleconference meeting to assess progress on 28 April. The group has produced a draft assessment of the health benefits and risks of using potassium-based sodium replacers in foods in the UK which will be finalised early in 2107.

Joint SACN/COT Working Group on the timing of introduction of allergenic foods into the infant diet

Background

This joint Committee on Toxicity and SACN working group on the timing of introduction of allergenic foods into the infant diet was set up in 2016.

Terms of reference

- In light of the work being undertaken as part of the SACN review on 'Feeding in the First Year of Life' and COT's statement on timing of allergenic food introduction, to undertake a benefit:risk assessment on the timing of introduction of allergenic foods* into the infant diet.
- Based on that benefit:risk assessment, to provide integrated advice to the UK health departments.

* hens' egg, peanut

Activity

The group held its first meeting on 9 December.

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

Chair Dr Ann Prentice
Director, MRC Elsie Widdowson Laboratory*, Cambridge

* In 2016, following restructuring and refocussing of its research interests, MRC Human Nutrition Research was renamed the MRC Elsie Widdowson Laboratory (MRC EWL). This took effect from 01 September 2016.

Deputy Chair 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

Other members

Ms Gill Fine
Public Health Nutritionist

Professor Paul Haggarty
Deputy Director, 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 Department, University of Surrey

Professor Julie Lovegrove
Professor of Human Nutrition, Head of the Hugh Sinclair Unit of Human Nutrition and Deputy Director for the Institute for 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 Emeritus of Biomedical Sciences, Rowett Institute of Nutrition and Health, University of Aberdeen
Honorary Professor of Biological Sciences, University of Nottingham

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, Department of Oncology and Metabolism, 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
Professor of Community Child Health, School of Medicine Dentistry and Nursing, 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

Dr Joanne Casey
Food Standards Agency Northern Ireland

Secretariat

Public Health England

Dr Vivien Lund
Ms Rachel Elsom
Ms Emma Peacock
Ms Mamta Singh
Mr Heiko Stolte
Ms Jennifer Lynas
Ms Margie van Dijk
Ms Emily Watson
Ms Sheila Katureebe
Mr Alastair McArthur
Ms Elaine Boylan

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

Other members

Professor Peter Aggett (SACN Deputy Chair)
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

Professor Alan Jackson (External expert)
National Institute for Health Research (NIHR) Director of Nutrition Research and Chair of Cancer and Nutrition Infrastructure Collaboration

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 Chair)
Director, MRC Elsie Widdowson Laboratory, 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
Professor of Community Child Health, School of Medicine Dentistry and Nursing, University of Glasgow

Professor Mairead Kiely
Cork Centre for Vitamin D and Nutrition Research, School of Food and Nutritional Sciences, College of Science Engineering and Food Science, Irish Centre for Fetal and Neonatal Translational Research [INFANT], College of Medicine and Health University College Cork, Ireland.

Membership of the Saturated Fats Working Group

Chair Professor Paul Haggarty (SACN member)
Deputy Director, Rowett Institute of Nutrition and Health, University of Aberdeen

Other 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

Professor Julie Lovegrove (SACN Member)
Professor of Human Nutrition, Head of the Hugh Sinclair Unit of Human Nutrition and
Deputy Director for the Institute for 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)
Cork Centre for Vitamin D and Nutrition Research, School of Food and Nutritional
Sciences, College of Science Engineering and Food Science, Irish Centre for Fetal
and Neonatal Translational Research [INFANT], College of Medicine and Health
University College Cork, Ireland

Professor Jules Griffin (External expert)
University of Cambridge and Elsie Widdowson Laboratory

Professor Christine Williams (External expert, up to April 2016)
Professor Human Nutrition, Director Food Agriculture and Health (external),
University of Reading

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

Chair Professor Ann Prentice (SACN Chair)
Director, MRC Human Nutrition Research, Cambridge

Professor Alan Boobis (COT Chair)
Professor of Biochemical Pharmacology and Director of Toxicology Unit in the Faculty
of Medicine, Imperial College London

Other members

Professor Peter Aggett (SACN Deputy Chair)
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

Membership of the Joint SACN/COT Working Group on the timing of introduction of allergenic foods into the infant diet

Chair Professor Mike Kelly (External expert)
Senior Visiting Fellow in the Department of Public Health and Primary Care at the
Institute of Public Health at the University of Cambridge

Other members

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

Professor Peter Aggett (SACN Deputy Chair)
Honorary Professor, School of Medicine and Health, Lancaster University, and
Emeritus Professor and Past Head of School of Postgraduate Medicine and Health

Dr Ken Ong (SMCN 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

Professor Alan Boobis (COT Chair)
Professor of Biochemical Pharmacology and Director of Toxicology Unit in the Faculty
of Medicine, Imperial College London

Dr René Crevel (COT member)
Science Leader, Allergy & Immunology, Unilever

Dr Paul Turner (External expert)
Clinical Senior Lecturer, Faculty of Medicine, Dept. of Medicine, Imperial College
London

Annex 3

Committee members' biographies

Dr Ann Prentice

Director, MRC Elsie Widdowson Laboratory, 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 and 2007) and was awarded an Honorary Fellowship in 2016. She has also 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, Lancaster University, and Emeritus Professor and Past Head of Lancashire 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

Deputy Director of the Rowett Institute of Nutrition and Health, University of Aberdeen. His research is concerned with the dietary and social determinants of physical and mental ageing, the importance of early life events, and the individual response to diet. He works on epigenetics and genetics and edited *Nutrition in Epigenetics and Population Epigenetics*. He has served on a number of national and international advisory committees including the UK Advisory Committee for Novel Foods and Processes. He is a member of the BBSRC Bioscience for Health Strategy Panel and contributes to a cross council initiative to bring together the social and biological sciences. His research is funded by Scottish Government, ESRC/BBSRC and medical charities.

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 Professor of Human Nutrition and Head of the Nutritional Sciences Department at the University of Surrey. Her research focuses on the area of nutrition and bone health with a particular focus on vitamin D and 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. She was a Member of the SACN Vitamin D Working Group and is Editor-in-Chief of the Nutrition Society Textbook Series (6 books, >65,000 copies sold). She is a member of the Nutrition Forum for the National Osteoporosis Society and a Governor and Scientific Advisory Group member of British Nutrition Foundation. She has recently been awarded Fellowship status of the Society of Biology and Fellowship status of the Association for Nutrition.

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 Deputy Chair of Council for AfN. She represents SACN on the project board for the National Diet and Nutritional Survey (NDNS), and is a member of the Saturated Fats Working Group and SACN/COT joint Working Group on Potassium-based Sodium Replacers. She is also a member of two ILSI working groups. She was awarded a Fellowship of the AfN in 2014.

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. He is also a Fellow of the Royal Society of Biology.

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. He retired in March 2016 and is currently a Professor Emeritus of Biomedical Sciences at the same Institute. Prof McArdle is also Honorary Prof in Biological Sciences at University of Nottingham. 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). Professor McArdle is a member of the Minerals Working Group, Novel Foods WG and Health Claims WG for EFSA and is a member of the NDA Panel 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. In her current employment as an Investment Manager, she is focused on the healthcare sector. 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, Department of Oncology and Metabolism, 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 Behavioural 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 on 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, and Deputy Medical Director and Consultant Chemical Pathologist at the Belfast Health and Social Care Trust. In addition, he is Chief Scientific Advisor to the Department of Health (NI) and Director of Health and Social Care Research and Development for Northern Ireland. 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. 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, School of Medicine and Nursing, 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.

Biographies for those who are not members of SACN

Subgroup on Maternal and Child Nutrition (SMCN)

Professor Annie Anderson

Professor Anderson is Professor of Public Health Nutrition and Co-director of the Centre for Research into Cancer Prevention and Screening at the School of Medicine, University of Dundee. Her main research interests focus on theory based, behaviourally focused dietary and obesity (population and individual) interventions with a special interest in cancer prevention, maternal nutrition and food policy. She has participated as an expert advisor for the WHO International Agency for Research on Cancer (IARC), NICE, Department of Health, Food Standards Agency and Scottish Government Advisory Committees on topics ranging from infant feeding survey design, obesity and cancer prevention to Food and Drink Policy development. She is currently Chair of the National Prevention Research Initiative (UK Medical Research Council) scientific committee.

Professor Alan Jackson

Professor Alan Jackson is NIHR Director of Nutritional Research and Chair of the Cancer and Nutrition NIHR Infrastructure Collaboration. Professor Jackson was appointed to the first Chair in Human Nutrition in an undergraduate medical school in the UK in 1985. He trained in paediatrics before taking up a post caring for severely malnourished children and carrying out research to determine the adaptive mechanisms that come into play in that condition and need to be addressed for successful therapy.

Professor Mairead Kiely

Mairead Kiely is Professor of Human Nutrition at the School of Food and Nutritional Sciences, University College Cork. She is Co-chair of the Cork Centre for Vitamin D and Nutrition Research and leads the Maternal and Child Nutrition Research platform at the Irish Centre for Fetal and Neonatal Translational Research (INFANT). Her research programme integrates the main themes of vitamin D and human health and the role of maternal and child nutrition in healthy growth and development. She is a member of 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).

Saturated Fats Working Group

Professor Jules Griffin

Professor Griffin is Head of the Lipid Profiling and Signalling group in the Department of Biochemistry at the University of Cambridge. He is also an Honorary Professor at Imperial College London is a Fellow of King's College, Cambridge and is affiliated with the Elsie Widdowson Laboratory. The work of Professor Griffin's group 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 SACN/COT 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 professionalisation of nutritionists.

Joint SACN/COT Working Group on the timing of introduction of allergenic foods into the infant diet

Professor Mike Kelly

Professor Kelly is Senior Visiting Fellow in the Department of Public Health and Primary Care at the Institute of Public Health at the University of Cambridge and a member of St John's College, Cambridge. Between 2005 and 2014 he was the Director of the Centre for Public Health at the National Institute of Health and Care Excellence (NICE) where he led the teams producing public health guidelines. While at NICE he appeared regularly on the Today Programme and BBC, ITV and Sky Television. He has advised the House of Commons Health Select Committee and been a witness before parliamentary committees on a number of occasions. He has chaired committees for MRC/ESRC, the Foods Standards Agency and recently visited Sydney to advise the Sax Institute there. From 2005 to 2007 he directed the methodology work stream for the World Health Organisation's (WHO) Commission on the Social Determinants of Health. This body of work was the first time that a properly evidence-based approach to dealing with health inequalities had been attempted by WHO. He has a continuing interest in health inequalities and is pursuing a programme of research in Cambridge on this topic. His research interests include the methods and philosophy of evidence-based medicine, prevention of CVD, health inequalities, health related behaviour change, the causes of non-communicable disease, end of life care, dental public health and the sociology of chronic illness.

Dr René Crevel

Dr Crevel works as a Science Leader (Allergy & Immunology) at Unilever's Safety and Environmental Assurance Centre. His principal responsibilities include providing scientific advice and guidance on possible adverse effects of materials and their use, arising from their interaction with, or modulated through the immune system. He is responsible for advice and guidance on food allergy and allergen management to Unilever Companies, and for leading Unilever's food allergy research programme. Other aspects of his work include immunomodulation by different agents, and the effects of diet and other agents on immune responses, including allergy.

Dr Paul Turner

Paul trained in Paediatric Allergy and Immunology at the Children's Hospital at Westmead, Sydney (where he was mentored by Andrew Kemp and Dianne Campbell) and Great Ormond Street Hospital, London. He is a graduate of Oxford University and the University of London, and undertook a PhD investigating the immunopharmacology of allergic rhinitis under John Foreman (University College London) and Glenis Scadding (Royal National Throat Nose & Ear Hospital, London). Paul is currently

MRC Clinician Scientist in Paediatric Allergy & Immunology within the MRC & Asthma UK Centre in Allergic Mechanisms of Asthma at Imperial College London, where his sponsors include John Warner, Stephen Durham and Gideon Lack. Paul is principal investigator on a grant investigating mechanisms of food-triggered anaphylaxis. His other research interests include seafood allergy, allergic rhinitis and allergen avoidance. He teaches on the MSc in Allergy at Imperial College, and has lectured at a number of national and international meetings. He has clinical commitments as an Honorary Consultant in Paediatric Allergy & Immunology at a number of specialist tertiary centres in London, including St Mary's Hospital (Paddington) and the Evelina Children's Hospital. He also holds an Honorary Lectureship at the University of Sydney where he teaches on the Masters of Medicine programme. He is a Fellow of the Royal Australasian College of Physicians. Paul is an active member of the BSACI Paediatric Allergy Group, where he has led the project to institute nationwide Allergy Action Plans for children with life-threatening allergies, alongside Dr George Du Toit (see <http://www.bsaci.org/about/pag-allergy-action-plans-for-children>). He is also a member of the Health Advisory Board for Allergy UK, a patient support charity (<http://www.allergyuk.org>).

Annex 4

Remuneration and committee finance

The amount paid to committee members for fees in 2016 was:

- for main meetings and working group/subgroup/drafting 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.

Fees for taking part in teleconference meetings were calculated according to the length of the meeting.

Committee members were also paid fees for attending non-SACN meetings if they were present in their capacity as members of SACN.

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 2016 was £46,547. Costs were met by Public Health England.

Annex 5 Declarations of interest

SACN Main Committee

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	University of Southampton	<p>Nature of interest: Honorary appointment of visiting Professor</p> <p>Financial: yes, honoraria received, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: N/A</p> <p>Dates: 2015 to present</p>	National Safety Association	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: nutrition and vascular function trial</p> <p>Dates: 2012 to 2015</p>
			British Medical Association	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: dietary determinants/cardiovascular project</p> <p>Dates: 2013 to 2016</p>
			Weight Watchers International	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: pragmatic weight loss trial (NIHR)</p> <p>Dates: 2012 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			Shield Therapeutics	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: iron deficiency anaemia</p> <p>Dates: 2012 to 2016</p>
			Bill & Melinda Gates Foundation	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: improving fetal growth rates in developing countries</p> <p>Dates: 2014 to 2016</p>
			Bill & Melinda Gates Foundation	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: developing brain function-for-age curves in Gambian and UK infants</p> <p>Dates: 2015 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			DRINC (BBSRC)	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: biomarkers and infant nutrition</p> <p>Dates: 2015 to 2020</p>
			Agilent	<p>Nature of interest: Research</p> <p>Financial: yes, grant to purchase equipment, travel reimbursement (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: mass spectrometry equipment</p> <p>Dates: 2015 to 2018</p>
			Soremartec	<p>Nature of interest: Research</p> <p>Financial: yes, grant to purchase equipment, travel reimbursement (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: bioavailability of polyphenols and effects on vascular function</p> <p>Dates: 2015 to 2016</p>

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Ms Gill Fine	Sainsbury's	<p>Nature of interest: Ex-employee</p> <p>Financial: (yes), shareholdings (<i>Amount received per annum over £5,000</i>: no);</p> <p>Subject matter: N/A</p> <p>Dates: 1986 to present</p>	None	N/A
	Agriculture and Horticulture Development Board (AHDB)	<p>Nature of interest: Interim chair and independent sector board member for AHDB Beef and Lamb</p> <p>Financial: yes, expenses reimbursed and honoraria received (<i>Amount received per annum over £5,000</i>: yes);</p> <p>Subject matter: governance issues and providing insights from a public health nutrition perspective</p> <p>Dates:</p> <p>Interim chair: August to December 2015</p> <p>Board member: April 2014 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	British Nutrition Foundation	<p>Nature of interest: Trustee and scientific governor</p> <p>Financial: yes, expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: governance issues and providing insights from a public health nutrition perspective</p> <p>Dates: 2014 to 2015</p>		
	Dementia UK Cornwall	<p>Nature of interest: Vice chair</p> <p>Financial: no;</p> <p>Subject matter: voluntary fundraising</p> <p>Dates: May 2013 to June 2016</p>		
	Musgrave Group	<p>Nature of interest: Consultancy and vice chair at meeting</p> <p>Financial: yes, fee received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: strategic issues and providing insights from a public health nutrition perspective</p> <p>Dates: May 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Paul Haggarty	Café Direct	<p>Nature of interest: Shareholder</p> <p>Financial: yes, shareholdings (<i>value of shares over £5,000:</i> no);</p> <p>Subject matter: fairtrade coffee and tea</p> <p>Dates: 2014 to present</p>	Scottish Government	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on food and health</p> <p>Dates: 2011 to 2016</p>
	GlaxoSmithKline	<p>Nature of interest: Shareholder</p> <p>Financial: yes, shareholdings (value of shares over £5,000: no);</p> <p>Subject matter: prescription medicines, vaccines and consumer healthcare products</p> <p>Dates: 2014 to June 2015</p>	Biotechnology and Biological Sciences Research Council and Economic and Social Research Council	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on epigenetics and cognition and mood</p> <p>Dates: 2015 to 2018</p>
	Astra Zeneca	<p>Nature of interest: Shareholder</p> <p>Financial: yes, shareholdings (value of shares over £5,000: no);</p> <p>Subject matter: pharmaceuticals</p> <p>Dates: 2014 to June 2015</p>		

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

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

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Julie Lovegrove	Federation of European Nutrition Societies	<p>Nature of interest: Presentation at meeting</p> <p>Financial: yes, travel or subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: unsaturated fats, are higher intakes beneficial?</p> <p>Dates: October 2015</p>	European Union	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: Food4Me personalised nutrition: n integrated analysis of opportunities and challenges</p> <p>Dates: 2011 to 2015</p>
	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Member of ILSI Europe Qualitative Fat Intake Expert Group on 'Update on Health Effects of Different Dietary Saturated Fats';</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: health effects of saturated fats</p> <p>Dates: November 2016 to present</p>	British Heart Foundation	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: the physiological importance and integration of receptor-mediated inhibitory mechanisms in platelets in health and disease</p> <p>Dates: 2015 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Member of ILSI Europe Expert Group on 'Efficacy of dietary interventions on metabolic syndrome';</p> <p>Financial: yes, travel and subsistence reimbursed (Amount received per annum over £5,000: no);</p> <p>Subject matter: Efficacy of dietary interventions on metabolic syndrome</p> <p>Dates: November 2014 to present</p>	Barham Benevolent Foundation	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: vitamin D enrichment of milk: acute human intervention study</p> <p>Dates: 2013 to 2016</p>
			Medical Research Council	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: reducing cardiovascular disease risk through replacement of saturated fat in milk and dairy products</p> <p>Dates: 2013 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			AHDB Dairy	<p>Nature of interest: Research</p> <p>Financial: yes, research project funding (Amount received per annum over £5,000: yes);</p> <p>Subject matter: 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>Dates: 2012 to 2015</p>
			Danone	<p>Nature of interest: Research</p> <p>Financial: yes, research project funding (Amount received per annum over £5,000: yes);</p> <p>Subject matter: 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>Dates: 2015</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			DSM	<p>Nature of interest: Research</p> <p>Financial: yes, research project funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: impact of vitamin D and 25(OH) D3 on milk enrichment</p> <p>Dates: 2014 to 2015</p>
			Quercegen Pharmaceuticals	<p>Nature of interest: Research</p> <p>Financial: yes, research project funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on the flavonol quercetin and thrombosis</p> <p>Dates: July 2016 to September 2017</p>

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

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

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Member of Dietary Carbohydrates Task Force</p> <p>Financial: yes, economy travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: link between dietary carbohydrates and health</p> <p>Date: July 2015 to present</p>		
	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Member of expert group on 'Efficacy Markers of Diabetes Risk';</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: markers of insulin resistance and sensitivity</p> <p>Date: late 2015 to present</p>		
	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Member of expert group on 'Carbohydrate-Based Recommendations as a Basis for Dietary Guidelines: A Scientific Review'</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: review of scientific basis of current dietary guidelines on carbohydrates</p> <p>Date: late 2015 to present</p>		

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	World Sugar Research Organisation (WSRO)	<p>Nature of interest: Speaker at WSRO conference</p> <p>Financial: yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: sugars and health</p> <p>Dates: June 2016</p>		
Professor Harry McArdle	European Food Safety Authority	<p>Nature of interest: Panel member</p> <p>Financial: yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: member of Dietetic Products, Nutrition and Allergies Panel (NDA), and working groups on Health Claims, Novel Foods, and DRVs;</p> <p>Dates: June 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr David Mela	Unilever	<p>Nature of interest: Employee</p> <p>Financial: yes, shareholdings (<i>Value of shares over £5,000: yes</i>);</p> <p>Subject matter: N/A</p> <p>Dates: 2005 to present</p>	International Life Sciences Institute (ILSI) Europe	<p>Nature of interest: Unilever representative on Eating Behavior & Energy Balance Task Force (and Task Force Chair, 2013 to present), and Dietary Carbohydrates Task Force (Task Force Vice-Chair, 2014-present)</p> <p>Member of ILSI Europe Expert Groups:</p> <ul style="list-style-type: none"> • “Carbohydrate-Based Recommendations as a Basis for Dietary Guidelines: A Scientific Review” (Dates: 2015 to present) • “Characterisation of and Criteria for Glycaemic Exposure Markers in the Non-diabetic Population” (Dates: 2014 to present) • “Physiological and Behavioural Adaptation to Dietary Enhancement of Satiety: Evidence and Timeframes” (Dates: 2015 to present) • “Physical-Chemical Properties of Dietary Fibre Relevant to Appetite-Related Mechanisms and Outcomes” (Dates: 2014 to present) <p>Financial: No</p> <p>Subject matter: see above (Nature of Interest)</p> <p>Dates: see above (Nature of interest)</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			Unilever / University of Amsterdam	Nature of interest: Member of project planning group for research collaboration between Unilever and the University of Amsterdam. Financial: No Subject matter: “Quantifying the impact of dietary approaches for the prevention of diabetes” Dates: 2015 to present
Mrs Gemma Paramor	None	N/A	None	N/A
Professor Hilary Powers	World Cancer Research Fund	Nature of interest: Deputy chair WCRF continuous update panel Financial: yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no); Subject matter: diet and cancer Dates: 2012 to date	World Cancer Research Fund	Nature of interest: Research Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes) Subject matter: methyl donors and oral cancer Dates: 2013-15

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Tropical Health Education Trust	<p>Nature of interest: Consultancy</p> <p>Financial: yes, fee received (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: human nutrition capacity building in Zambia</p> <p>Dates: January to June 2016</p>	Kellogg's	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p>Subject matter: breakfast and energy expenditure</p> <p>Dates: 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Monique Raats	Woodhead Publishing Ltd, now Elsevier	<p>Nature of interest: Book editor</p> <p>Financial: yes, royalties related to "Raats MM, de Groot CPGM, van Staveren WA (Eds.) (2008) Food for the ageing population. Woodhead Publishing Limited" (Amount received per annum over £5,000: no)</p> <p>Subject matter: food for the ageing population</p> <p>Dates: 2009 to present</p>	Medical Research Council	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p>Subject matter: front of pack food labelling: impact on consumer choice</p> <p>Dates: 2012 to 2016</p>
	Choices International	<p>Nature of interest: Member of the European Scientific Committee for the Choices programme</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: front of pack food labelling</p> <p>Dates: 2010 to present</p>	European Commission (FP7)	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes)</p> <p>Subject matter: reduction of disease risk claims on food and drinks</p> <p>Dates: 2013 to 2016</p>

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

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Sabri Ulker Food Research Foundation	<p>Nature of interest: Speaker - Sabri Ülker Food Research Foundation Nutrition Summit</p> <p>Financial: 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>Subject matter: food-related health and wellbeing across the lifespan</p> <p>Dates: 2015</p>	Safefood	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p>Subject matter: the impact of cooking and related food skills on healthiness of diets</p> <p>Dates: 2014 to 2016</p>
	European Sensory Network (ESN)	<p>Nature of interest: speaker at international workshop on food-related wellbeing</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: food-related wellbeing</p> <p>Dates: 2015</p>	Safefood	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p>Subject matter: investigation into the balance of healthy versus less-healthy food promotions among Republic of Ireland food retailers</p> <p>Dates: 2016 to 2017</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Eurasanté	<p>Nature of interest: Speaker at Nutrevent</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: food labelling</p> <p>Dates: 2015</p>	Safefood	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> no)</p> <p>Subject matter: 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>Dates: 2016 to 2017</p>
	DG Sante	<p>Nature of interest: Panel member at DG SANTE's EXPO conference 'Nutrition, Health and Food Information - Know what you eat'</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: food labelling</p> <p>Dates: 2015</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Ian Young	MSD	<p>Nature of interest: Lectures/consultancy</p> <p>Financial: yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: clinical management of hypercholesterolaemia and clinical management of hyperglycaemia.</p> <p>Dates: various dates prior to September 2015</p>	None	N/A

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Angus Walls	GlaxoSmithKline	<p>Nature of interest: Consultancy</p> <p>Financial: yes, honoraria received (<i>Amount received per annum over £5,000</i>: no);</p> <p>Subject matter: oral healthcare for older people</p> <p>Dates: 2014 to present</p>	GlaxoSmithKline	<p>Nature of interest: Research grant</p> <p>Financial: yes, research funding jointly with University of Sheffield (<i>Amount received per annum over £5,000</i>: yes)</p> <p>Subject matter: attitudes of older consumers to Oral Health Care a qualitative study</p> <p>Dates: 2014 to 2016</p>
	Oral and Dental Research Trust	<p>Nature of interest: Director and chair</p> <p>Financial: no</p> <p>Subject matter: charity that funds oral and dental research</p> <p>Dates: 2013 to present</p>	GlaxoSmithKline	<p>Nature of interest: BBSRC CASE studentship sponsored by GlaxoSmithKline</p> <p>Financial: yes, student funding (<i>Amount received per annum over £5,000</i>: yes)</p> <p>Subject matter: barriers to achieving a high standard of personal oral health care</p> <p>Dates: 2016 to 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Stella Walsh	Kraft-Heinz Company	<p>Nature of interest: Consumer member</p> <p>Financial: yes, honoraria received (<i>Amount received per annum over £5,000</i>: no);</p> <p>Subject matter: advising on consumer trends;</p> <p>Dates: 2013 to 2016</p>	None	N/A
	National Federation of Consumers	<p>Nature of interest: Consumer member</p> <p>Financial: (no);</p> <p>Subject matter: member of food network, responses made to government consultations on food issue;</p> <p>Dates: 1980 to present</p>		

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Unicef (UK)	<p>Nature of interest: Honorary fellow</p> <p>Financial: no;</p> <p>Subject matter: advocacy for child health including promotion, protection and support of breastfeeding in the United Kingdom;</p> <p>Dates: 2005 to 2015</p>		
	Baby Milk Action	<p>Nature of interest: Voluntary professional advisor</p> <p>Financial: no;</p> <p>Subject matter: provision of advice on matters related to infant and child nutrition;</p> <p>Dates: 2000 to 2015</p>		

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

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

SACN Subgroup on Maternal and Child Nutrition (SMCN)

		PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details		Organisation	Details
Professor Annie Anderson	Bowel Cancer UK	Nature of interest: Member, advisory board Financial: no; Subject matter: bowel cancer Dates: 2006 to present		Institute for Cardiovascular Research	Nature of interest: research grant Financial: yes, PhD student funding received <i>(Amount received per annum over £5,000: yes);</i> Subject matter: 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 Dates: 2010 to 2015
	Scottish Cancer Foundation	Nature of interest: Member, board of directors Financial: no; Subject matter: cancer Dates: 2006 to present		EU Framework 6	Nature of interest: research grant Financial: yes, research funding received <i>(Amount received per annum over £5,000: yes);</i> Subject matter: social innovation to improve physical activity and sedentary behaviour through elite European Football Clubs Dates: 2013 to 2018

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Scottish Cancer Prevention Network	<p>Nature of interest: Co-director</p> <p>Financial: no;</p> <p>Subject matter: cancer prevention</p> <p>Dates: 2009 to present</p>	Scottish Government	<p>Nature of interest: research grant</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: a feasibility study to assess the delivery of a lifestyle intervention for colorectal cancer patients undergoing potentially curative treatment</p> <p>Dates: 2013 to 2015</p>
	Breast Cancer Now (Scotland)	<p>Nature of interest: Breast cancer NOW policy advisor</p> <p>Financial: no;</p> <p>Subject matter: breast cancer</p> <p>Dates: 2012 to present</p>	Scottish Government	<p>Nature of interest: research grant</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: a pilot study of the feasibility and patient-related outcomes of performing a walking intervention in patients undergoing treatment for rectal cancer</p> <p>Dates: 2014 to 2016</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	First Steps Nutrition Trust	<p>Nature of interest: Patron</p> <p>Financial: no;</p> <p>Subject matter: maternal and child nutrition</p> <p>Dates: 2015 to present</p>	National Institute for Health Research	<p>Nature of interest: research grant</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: 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>Dates: 2015 to 2016</p>
	MRC-NPRI Scientific Committee of National Prevention Research Initiative	<p>Nature of interest: Chair</p> <p>Financial: yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: nutrition research</p> <p>Dates: 2004 to present</p>	Surgical Endowment Funds	<p>Nature of interest: research</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: lifestyle in patients at increased risk of colorectal cancer</p> <p>Dates: 2014 to 2016</p>
	Scottish Government	<p>Nature of interest: Advisor</p> <p>Financial: no;</p> <p>Subject matter: review of infant feeding survey</p> <p>Dates: 2015 to present</p>	NHS Health Scotland	<p>Nature of interest: research grant</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: diet and excess mortality in Glasgow and Scotland: Exploring differences in diet and nutrition</p> <p>Dates: 2014 to 2015</p>

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Rank Prize Funds	<p>Nature of interest: Presentation</p> <p>Financial: yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: dietary change and cancer prevention</p> <p>Dates: February 2015</p>	NHS Tayside	<p>Nature of interest: research grant</p> <p>Financial: yes, research funding received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: obesity and pregnancy</p> <p>Dates: 2016</p>
	Bowel Cancer UK and Macmillan	<p>Nature of interest: Presentation</p> <p>Financial: yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: bowel cancer prevention</p> <p>Dates: March 2015</p>		
	BAPEN (Scotland)	<p>Nature of interest: Presentation</p> <p>Financial: yes, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: primary and secondary cancer prevention, what should we be advising?</p> <p>Dates: March 2015</p>		

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Scottish Heart and Arterial disease Risk Prevention (SHARP)	<p>Nature of interest: Presentation</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000</i>: no);</p> <p>Subject matter: dietary interventions</p> <p>Dates: November 2015</p>		
	Nutrition & Dietetics (Dieticians Association of Australia)	<p>Nature of interest: Editorial Board member</p> <p>Financial: no;</p> <p>Subject matter: editorial</p> <p>Dates: 2014 to present</p>		
	Health Promotion Journal of Australia	<p>Nature of interest: Editorial Board member</p> <p>Financial: no;</p> <p>Subject matter: editorial</p> <p>Dates: 2013 to present</p>		
	International Journal of Behaviour, Nutrition and Physical Activity	<p>Nature of interest: Editorial Board member</p> <p>Financial: no;</p> <p>Subject matter: editorial</p> <p>Dates: 2007 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Journal of Human Nutrition and Dietetics	Nature of interest: Editorial Board member Financial: no; Subject matter: editorial Dates: 1992 to present		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Mairead Kiely	NHS Trust	<p>Nature of interest: Speaker</p> <p>Financial: yes, honoraria received, travel expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: child nutrition;</p> <p>Dates: November 2013</p>	European Commission	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on effects of bioactive constituents on cardiovascular health;</p> <p>Dates: 2012 to 2016</p>
	Abbott	<p>Nature of interest: Speaker</p> <p>Financial: yes, honoraria received, travel expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: child nutrition;</p> <p>Dates: December 2014</p>	European Commission	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: ODIN: develop effective, safe & sustainable food-based solutions to eradicate vitamin D deficiency & improve health across the life cycle</p> <p>Dates: 2013 to 2017</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Danone Early Life Nutrition	<p>Nature of interest: Speaker</p> <p>Financial: yes, honoraria received, travel expenses reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: child nutrition;</p> <p>Dates: October 2013</p>	Irish Government Department of Agriculture and Food	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on effects of polyphenols on cardiovascular disease;</p> <p>Dates: 2013 to 2017</p>
			National Children's Research Centre, Dublin, Ireland	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: Cork BASELINE Birth Cohort;</p> <p>Dates: 2008 to 2016</p>
			Science Foundation Ireland	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: PINPOINT Personalised nutrition for the preterm infant;</p> <p>Dates: 2015 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			Danone Early Life Nutrition	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: research on effects of iron on neurocognitive outcomes in young children;</p> <p>Dates: 2012 to 2016</p>
			Danone Early Life Nutrition	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: PINPOINT Personalised nutrition for the preterm infant;</p> <p>Dates: 2015 to 2018</p>
			Mead Johnson Nutrition	<p>Nature of interest: Research</p> <p>Financial: yes, PhD student funding and research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: COMBINE Cork Nutrition and Microbiome Maternal-Infant Cohort Study;</p> <p>Dates: 2015 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			Fresenius Kabi	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: PINPOINT Personalised nutrition for the preterm infant;</p> <p>Dates: 2015 to 2018</p>
			Crème Global Nutrition	<p>Nature of interest: Research</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: PINPOINT Personalised nutrition for the preterm infant;</p> <p>Dates: 2015 to 2018</p>
Dr Ken Ong	International Life Sciences Institute, Europe	<p>Nature of interest: Chair, advisory group</p> <p>Financial: yes, honoraria received, travel and subsistence reimbursed etc) (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: early growth velocity and risk of metabolic disorders later in life</p> <p>Dates: 2013 to present</p>	Pfizer Ltd	<p>Nature of interest: Member, KIGS steering committee</p> <p>Financial: yes, honoraria paid to University of Cambridge, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: use of the KIGS database to monitor growth hormone treatment</p> <p>Dates: 2013 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Haymarket	<p>Nature of interest: Book editor</p> <p>Financial: yes, honoraria received (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: European Society for Paediatric Endocrinology Yearbook of Paediatric Endocrinology</p> <p>Dates: 2015 to present</p>		
	Nestle Nutrition Institute	<p>Nature of interest: Chair and presenter at workshop</p> <p>Financial: yes, honoraria received, travel reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: relevance of infant feeding to long-term health outcomes</p> <p>Dates: 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>Nature of interest: Director for nutrition research</p> <p>Financial: yes, research income, salary, administrative support received (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: health research</p> <p>Dates: 2015 to 2016</p>	Gilead Sciences Ltd	<p>Nature of interest: Son in employment</p> <p>Financial: no;</p> <p>Subject matter: N/A</p> <p>Dates: on-going</p>
	Association for Nutrition	<p>Nature of interest: President/Chair/Trustee</p> <p>Financial: no;</p> <p>Subject matter: professional regulator</p> <p>Dates: 2015 to present</p>	Department for International Development	<p>Nature of interest: Research</p> <p>Financial: yes, research grant (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: research grant through PATH for development of educational tools</p> <p>Dates: 2014 to 2017</p>
	World Cancer Research Fund	<p>Nature of interest: Chair of the continuous update committee</p> <p>Financial: yes, honoraria received, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: health research</p> <p>Dates: 2008 to 2016</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	World Health Organization	<p>Nature of interest: Nutrition Topic Advisory Group: Chair of guideline development group</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: obesity in childhood and adolescence</p> <p>Dates: 2015 to present</p>		
	Hugh Sinclair Trust, Reading University	<p>Nature of interest: Member of Trust Advisory Board</p> <p>Financial: no;</p> <p>Subject matter: N/A</p> <p>Dates: 2015 to present</p>		
	International Malnutrition Task Force	<p>Nature of interest: Chair</p> <p>Financial: no;</p> <p>Subject matter: malnutrition</p> <p>Dates: 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Sian Robinson	First Steps Nutrition Trust	Nature of interest: Trustee Financial: no; Subject matter: maternal and child nutrition Dates: 2015 onwards	None	N/A
	Biotechnology and Biological Sciences Research Council	Nature of interest: Panel member Financial: yes, honoraria received (<i>Amount received per annum over £5,000</i>): no); Subject matter: grant awards Dates: 2016 onwards		

SACN Vitamin D Working Group

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

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

SACN Military Energy DRVs Working Group

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

SACN Saturated Fats Working Group

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
Dr Jules Griffin	GlaxoSmithKline	<p>Nature of interest: Shareholder</p> <p>Financial: (yes), shareholdings (<i>Value of shares over £5,000:</i> no);</p> <p>Subject matter: N/A</p> <p>Dates: 2015 to 2016</p>	GlaxoSmithKline	<p>Nature of interest: Grant funding</p> <p>Financial: yes, post-doc funded for two years (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: advising on fat reformulation of chocolate and other confectionary</p> <p>Dates: 2015 to 2016</p>
			National Institute of Health	<p>Nature of interest: Grant funding</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000:</i> yes);</p> <p>Subject matter: investigating mitotoxicology</p> <p>Dates: 2015 to 2016</p>

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
			European Union	<p>Nature of interest: Grant funding</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000: yes</i>);</p> <p>Subject matter: developing bioinformatics tools for metabolomics</p> <p>Dates: 2015 to 2016</p>
			Biotechnology and Biological Sciences Research Council	<p>Nature of interest: Grant funding</p> <p>Financial: yes, research funding (<i>Amount received per annum over £5,000: yes</i>);</p> <p>Subject matter: developing bioinformatics tools for metabolomics</p> <p>Dates: 2015 to 2016</p>

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
<p>Professor Christine Williams (Member from October 2015 to April 2016)</p>	<p>British Nutrition Foundation</p>	<p>Nature of interest: Chair of the board of trustees and governor Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no); Subject matter: governance of the BNF Dates: 2015 to 2016</p>	<p>Mars Incorporated</p>	<p>Nature of interest: Member of Mars Scientific Advisory Group UK and expert advisor at health and wellbeing workshop (Washington) 2015 Financial: yes, honoraria paid to the University of Reading (<i>Amount received per annum over £5,000:</i> yes); Subject matter: advising on: i) Mars strategy for fat reduction and ii) Mars Inc future strategy on health and wellness Dates: 2013 to 2014</p>

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
	Scottish Rural University College Board	Nature of interest: Non-executive director Financial: yes, honoraria, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> yes); Subject matter: governance of SRUC Dates: 2014 to 2015		
	Rank Prize Nutrition Advisory Panel	Nature of interest: Member Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no); Subject matter: organisation of science symposia and biannual Rank Prize Dates: 2015 to 2016		

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
	BBSRC Agriculture and Food Security Strategy Panel	<p>Nature of interest: Member</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: strategic science advice</p> <p>Dates: 2014 to 2016</p>		
	BBSRC Research Advisory Board	<p>Nature of interest: Member</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: strategic science advice</p> <p>Dates: 2014 to 2016</p>		

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
	Governing Body of the Institute of Food Research	<p>Nature of interest: Member</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: strategic science advice and governance matters</p> <p>Dates: 2014 to 2016</p>		
	Scientific Advisory Council for Wales	<p>Nature of interest: Member</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: scientific advice to Welsh CSO / Welsh Government</p> <p>Dates: 2015 to 2016</p>		

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
	<p>European Food Information Council Scientific Advisory Group</p>	<p>Nature of interest: Speaker</p> <p>Financial: yes, travel and subsistence reimbursed (<i>Amount received per annum over £5,000:</i> no);</p> <p>Subject matter: gave lecture to Science Advisory Group on saturated fats</p> <p>Dates: September 2015</p>		

Joint SACN / COT¹ Working Group on the timing of introduction of allergenic foods into the infant diet

	Personal interests		Non-personal interests	
Member	Organisation	Details	Organisation	Details
Professor Mike Kelly	Slimming World	<p>Nature of interest: Consultancy</p> <p>Financial: (yes), (honoraria received, travel and subsistence reimbursed) <i>(Amount received per annum over £5,000: no);</i></p> <p>Subject matter: advising on general approaches to obesity prevention;</p> <p>Dates: 2015 to present</p>		

¹ Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT)

Annex 6

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

Weaning and the Weaning Diet. Report of the Working Group on the Weaning Diet of the Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 45. DH: HMSO 1994

2011: [SACN Early Life Nutrition report.](#)

2011: [SACN/COT joint statement on the introduction of gluten into the infant diet.](#)

2012: [SACN/RCPCH joint statement on defining child underweight, overweight and obesity.](#)

Nutritional Aspects of Cardiovascular Disease. Report of the Cardiovascular Review Group Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 46. DH: HMSO 1994

Guidelines on the Nutritional Assessment of Infant Formulas. Report of the Working Group on the Nutritional Assessment of Infant Formulas of the Committee on Medical Aspects of Food and Nutrition Policy. Report on Health and Social Subjects No. 47. DH: HMSO 1996

2008: [SACN statement on 'Good-Night Milks'.](#)

Nutritional Aspects of the Development of Cancer. Report of the Working Group on Diet and Cancer of the Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 48. DH: The Stationery Office, 1998

Nutrition and Bone Health: with particular reference to calcium and vitamin D. Report of the Subgroup on Bone Health, Working Group on the Nutritional Status of the Population of the Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 49. DH: The Stationery Office 1998.

2007: [SACN Update on Vitamin D.](#)

2016: [SACN vitamin D and health report.](#)

Folic Acid and the Prevention of Disease. Report of the Committee on Medical Aspects of Food Policy. Report on Health and Social Subjects No. 50. DH: The Stationery Office, 2000.

2006: [SACN Folate and Disease Prevention report.](#)

2009: [SACN report to CMO on folic acid and colorectal cancer risk.](#)

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

2016: [Government Dietary Recommendations](#) . This document provides a concise summary of the government's recommendations for food energy and nutrients for males and females aged 1 – 18 years and 19+ years. These are based on recommendations from COMA and SACN.