



**Annual Report 2019**

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# Foreword

It is my pleasure to introduce the 19<sup>th</sup> annual report of the Scientific Advisory Committee on Nutrition (SACN) which covers the work of the committee in 2019. This is my tenth and final annual report as Chair of SACN.

In August, the committee published its report on *Saturated fats and health*. The report assessed evidence published since this issue was last considered in 1994 by SACN's predecessor, the Committee on Medical Aspects of Food and Nutrition Policy (COMA). Since then, the evidence base on saturated fats and health has grown considerably and SACN conducted a robust review of the best scientific evidence. The report concluded that reducing saturated fat lowers total blood cholesterol and cuts the risk of heart disease and that the evidence published since 1994 supports and strengthens existing advice (that saturated fats should be reduced to no more than about 10% of dietary energy, swapping saturated fat for unsaturated fats). The report was developed over a relatively short period of time and I would like to thank all those involved.

The joint working group on lower carbohydrate diets for type 2 diabetes continued with its assessment of the evidence. The draft report will be issued for consultation in 2020.

The working group on older adults continued to develop a position statement on nutrition in this age group with the aim of publishing this in 2020.

The subgroup on maternal and child nutrition continued to review the evidence on feeding children age 12 to 60 months. They have also supported the response to a number of consultations.

In the autumn, the military energy working group was reconvened to consider new evidence available for military specialists. The intention is to publish this new information in 2020 as a supplement to the 2017 position statement on Military Dietary Reference Values for Energy.

SACN started a number of new pieces of work this year. In the summer, we issued a call for comment on the draft scope for a risk assessment on nutrition and maternal health and the working group held its first meeting in December 2019 to discuss the comments received from interested parties. I will be chairing this group and very much look forward to progressing this work. SACN also refreshed its code of practice and framework for the evaluation of evidence and these documents will be published in 2020. While reviewing the framework, members identified several issues that will require more detailed consideration and a small working group will take this work forward in 2020.

This year also saw a number of changes to the membership of SACN. We welcomed Professor Lucilla Poston and Professor Mairead Kiely onto the committee. Professor Peter Aggett stood down from the committee after 19 years of service to SACN and many years contribution to COMA. Professor Harry McArdle and Professor Angus Walls also stood down from the committee following 10 years of service. I would like to thank Professors Aggett, McArdle and Walls for all their contributions and insights over the years and wish them well for the future.

I will demit from SACN in 2020. It is my pleasure to announce that Professor Ian Young, longstanding SACN member and Clinical Professor at the School of Medicine, Dentistry and Biomedical Sciences, Queen's University, Belfast will take over as SACN Chair from June 2020. In addition, Professor Julie Lovegrove, Professor of Human Nutrition, Hugh Sinclair Unit of Human Nutrition, University of Reading, will take over from Professor Peter Aggett as Deputy Chair.

Finally, I would like to thank members of the main committee, its subgroup and working groups, and the secretariat, for their commitment to the work of SACN in 2019.

A handwritten signature in blue ink that reads "Ann Prentice". The signature is written in a cursive style with a small flourish at the end.

**Professor Ann Prentice, Chair**

# About the committee

The role of SACN is to provide scientific advice on, and risk assessment of, nutrition and related health issues. It advises the four UK health departments and other government departments and agencies.

Members are appointed as independent scientific experts on the basis of their specific skills and knowledge. The committee also includes 2 lay members.

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

SACN's terms of reference are provided in Annex 1.

## Openness

SACN is committed to a policy of openness and engagement. 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, the committee's three main meetings are held in open session by default. Occasional SACN main meetings and the majority of SACN working groups and subgroup meetings are held in closed session

## Membership

Details of membership of the committee, its working groups and subgroup can be found in Annex 2. Biographies of all members are provided in Annex 3.

## Remuneration and committee finance

Remuneration and committee finances are shown in Annex 4.

## Declaration of interests

Members are required to declare all their interests at the time of their appointment and to 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 are 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 the [SACN Code of Practice](#).

A [register of members' interests](#) is maintained on SACN's website. The register is updated as soon as possible after an interest is declared. A snapshot of the 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's subgroup and working groups and from the 4 devolved administrations, are regular features on the agenda.



# SACN's work in 2019

This is the 19<sup>th</sup> annual report of SACN and covers the calendar year 2019.

The main committee met three times in 2019, on 27 March, 18 June and 5 November. All the meetings were chaired by Professor Ann Prentice.

The Subgroup on Maternal and Child Nutrition (SMCN) met three times in 2019, on: 30 January, 22 May and 2 October.

The Saturated Fats Working Group met once in 2019, on 28 March, and held 2 teleconference meetings on 17 and 31 January.

The Joint Working Group on lower carbohydrate diets for adults with type 2 diabetes met four times in 2019, on: 28 February, 8 May, 25 July, 13 September and held a teleconference meeting on 12 November.

The Older Adults Working Group met three times in 2019, on 7 February, 13 June and 13 November.

The Military Energy Working Group held 1 teleconference in 2019, on 11 October.

The Nutrition and Maternal Health Working Group held 1 meeting in 2019, on 12 December.

## Work programme

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

- feeding children aged 1 to 5 years
- saturated fats and health
- lower carbohydrate diets compared to current government advice for adults with type 2 diabetes
- nutrition and older adults
- supplementary information to the SACN position statement on military energy (submariners and special forces)
- nutrition and maternal health
- examination of the SACN framework and code of practice
- examination of the basis for the current dietary reference values for micronutrients.

## **Watching brief**

The committee agreed to keep a watching brief on the following items:

- folic acid fortification
- iodine status of the UK population
- protein
- sustainable healthy diets
- total fat and individual fatty acids.

# SACN's working groups and subgroup

The committee operates through a subgroup and working groups comprising SACN members and co-opted specialists. These groups develop recommendations and advice on specific areas of public health nutrition. The following groups were active during 2019:

- Subgroup on Maternal and Child Nutrition
- Saturated Fats Working Group
- Joint SACN / NHSE / Diabetes UK Working Group
- Older Adults Working Group
- Military Energy Working Group
- Nutrition and Maternal Health Working Group

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

## Subgroup on Maternal and Child Nutrition

### Background

SMCN is a specialist standing group that advises government on issues relating specifically to maternal and child nutrition, an area in which health departments need regular scientific advice for policy-making and regulatory purposes.

### Terms of reference

The terms of reference for SMCN are to advise, through SACN, on aspects of maternal and child diet and nutrition, as referred to it by PHE, the UK Health Departments and SACN.

### Activity

In 2019, SMCN focused on progressing its review on feeding children aged 12 to 60 months. At its first meeting of 2019, the group considered the evidence identified through the literature search. A call for evidence was issued (from 11 March to 5 April 2019) and the responses were discussed by the group at its second meeting in May 2019. At its third meeting, in October 2019, the group considered the draft evidence tables and quality assessment tables on the topics for which the evidence had started to be extracted. Throughout the year the group also considered data from the National Diet and Nutrition Survey (NDNS), including secondary analyses on social patterning.

SMCN considered the draft scope of the next SACN major review on nutrition and maternal health at its meetings in January and May 2019.

In other work in 2019, SMCN discussed the questions in the 2010 Infant Feeding Survey to inform development of a future survey and considered the European Food Safety Authority (EFSA) consultation on the draft scientific opinion on appropriate age for introduction of complementary feeding into an infant's diet.

Professor Annie Anderson stood down from SMCN in November 2019.

## **Saturated Fats Working Group**

### **Background**

In June 2014, SACN considered undertaking a review of the evidence on the role of fats in health, including monounsaturated fats, polyunsaturated fats and saturated fats. The topic had been suggested as part of the horizon scanning process and specific advice on saturated fats had been requested by the Food Standards Agency (Scotland) (now Food Standards Scotland). Following a scoping exercise which highlighted a large evidence base, it was agreed that a review of the evidence on saturated fats was most pressing.

### **Terms of reference**

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

### **Activity**

Through 2019 the working group focused on finalising the report on saturated fats and health.

At its January teleconferences the working group considered SACN's comments on the executive summary and sections of the main report that required further work. At its meeting in March the working group discussed and agreed final amendments to the draft report, the majority of which were for clarity and consistency. The SACN Chair attended the January teleconferences and the March meeting to support final sign-off of the report. Due to the number of changes made to the draft report since it had previously been considered by SACN, members had the opportunity to reconsider the revised draft report at the SACN meeting in June 2019.

The final report was published on 1 August 2019.

In September 2019, the Chair of the working group presented an overview of the report at a Nutrition Society webinar.

## **Joint Working Group on lower carbohydrate diets for type 2 diabetes**

### **Background**

In 2017, SACN were asked by PHE to review the evidence on lower carbohydrate diets (alongside higher fat and/or higher protein) compared to current government advice for adults with type 2 diabetes. Since SACN does not usually make recommendations relating to clinical conditions, a joint working group comprising members of SACN and members nominated by Diabetes UK, the British Dietetic Association, the Royal College of Physicians and Royal College of General Practitioners was established to consider this issue. Representatives from NHS England and NHS Health Improvement, the National Institute for Health and Care Excellence (NICE) and devolved health departments were invited to observe the joint working group. The group is jointly chaired by SACN (Professor Ian Macdonald) and Diabetes UK (Mr Douglas Twenefour).

### **Terms of reference**

- Review the evidence on lower carbohydrate diets (alongside higher fat and/or higher protein) compared to current government advice for adults with type 2 diabetes
- Consider the impact, in adults with type 2 diabetes, of lower compared with higher carbohydrate diets on markers and clinical outcomes of type 2 diabetes including any potential adverse effects
- Make recommendations based on the review of the evidence.

### **Activity**

The joint working group held 4 meetings and one teleconference in 2019.

At its first meeting in February, the joint working group considered detailed data from individual studies included in 8 systematic reviews with meta-analyses. Members also considered a systematic approach for grading the evidence to ensure transparency and consistency.

At the second meeting in May, the joint working group considered the first draft of the report and discussed preliminary evidence grades for all outcomes.

At the third meeting in July, the joint working group discussed issues raised by SACN members (at the June SACN meeting) and reviewed the evidence grading for clarity and consistency.

At the fourth meeting in September, the joint working group considered a revised version of the draft report and confirmed the evidence grades for all outcomes, before consideration by SACN at its meeting in November 2019.

At the November teleconference, the joint working group considered the comments made by SACN members (at its November meeting) and agreed further amendments to the draft report in preparation for public consultation in 2020.

## **Older Adults Working Group**

### **Background**

The Older Adults Working Group was established in 2018 to prepare a position statement on nutrition and older adults. This was a result of horizon scanning in 2016 and discussion of this issue by SACN in March 2017.

### **Terms of reference**

- Review current evidence on the role of nutrition in older adults and its impact on healthy ageing. This will include consideration of:
  - i. key nutritional issues relevant to age-related health, including age-related changes in cognition, physical and metabolic function
  - ii. current dietary intake and patterns compared to current UK government advice
  - iii. evidence according to chronological age: 65-74 years, 75 years and above.
- Draw conclusions on the state of the evidence in relation to existing advice and make recommendations where possible.

### **Activity**

Through 2019 the working group focused on preparing the draft position statement on nutrition and older adults, considering the approach to drafting the position statement, its structure and the timeline.

At its meeting in February, the working group considered data from the NDNS, results of the literature search and the responses to the call for evidence (issued from 9 January to 5 February).

At the meeting in June, the working group focused on NDNS data on self-reported health and oral health and on evidence extracted from the identified literature.

At its meeting in November the working group considered the draft position statement, including chapters on the background, current dietary recommendations, dietary intakes, methods, results and conclusions.

The aim is to publish a position statement on this topic in 2020.

## **Military Energy Working Group**

### **Background**

The Military Energy Working Group was set up in 2014 following discussions with the Institute of Naval Medicine regarding potential work on Military Dietary Reference Values (military DRVs) for energy. In 2017 SACN published a position statement on the military DRVs for energy. At that time, no doubly labelled water (DLW) data were available on energy expenditure for military specialists. SACN agreed that when specific DLW data became available for these specialist groups, they would be reviewed by the working group and the original position statement would be updated. DLW data are now available and the working group reconvened in 2019 to consider the new evidence.

### **Terms of reference**

- Provide recommendations for estimated DRV for energy for those military occupational roles where there are evidenced requirements that are different to the estimated average requirements for UK population subgroups, as recommended by SACN in 2011
- Provide recommendations that take into account environment and relevant population descriptors such as age, body size (including consideration of body composition), levels of physical activity, and sex
- Consider the implications of these energy recommendations for the nutrient requirements of UK military populations – especially in terms of macronutrient requirements for high energy occupational roles.

### **Activity**

At a teleconference meeting on 11 October the working group considered whether the new evidence describing the energy expenditure of specialist groups in the military was sufficient to allow UK military DRVs for energy to be updated using the approach adopted to revise the energy DRVs for the general population in 2011.

The draft supplement is being prepared with support from Professor Jo Fallowfield (Head of Applied Physiology at the Institute of Naval Medicine) and Professor Joe Millward, Emeritus Professor of Human Nutrition at the University of Surrey.

The aim is to publish a supplement to the position statement in 2020.

## **Nutrition and Maternal Health Working Group**

The Nutrition and Maternal Health Working Group met for the first time in 2019 to discuss the draft scope on this new topic, following a 'request for comment' among stakeholders. The aim is to finalise the scope and terms of reference for this group at the SACN meeting in March 2020 and start the review in summer 2020.



# Annex 1

## **SACN's terms of reference**

SACN is an advisory committee that replaced COMA. It advises the Government on 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 and the nutritional status of people
- monitoring and surveillance of the above aspects
- nutritional issues which affect wider public health policy issues including conditions where nutritional status is one of a number of risk factors (such as cardiovascular disease, cancer, diabetes, oral health, osteoporosis and obesity)
- nutrition of vulnerable groups (such as infants, older adults and ethnic minorities) and health inequality issues
- research requirements for the above.

SACN is supported in its work by a secretariat provided by PHE.

All SACN 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
- ensure that SACN's advice is clear and comprehensible.

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

# Annex 2

## Membership of the committee

**Chair** Professor Ann Prentice  
Honorary Professor of Global Nutrition and Health, Medical Research Council (MRC) Nutrition and Bone Health Research Group, Cambridge (formerly Director of MRC Elsie Widdowson Laboratory, Cambridge)

**Deputy Chair** Professor Peter Aggett (until July 2019)  
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

## Other members

Ms Gill Fine  
Public Health Nutritionist

Dr Darren Greenwood  
Senior Lecturer in Biostatistics, University of Leeds

Professor Paul Haggarty  
Deputy Director, Rowett Institute of Nutrition and Health, University of Aberdeen

Professor Susan Jebb  
Professor of Diet and Population Health, University of Oxford

Professor Mairead Kiely  
Head of School of Food and Nutritional Sciences, University College Cork

Professor Susan Lanham-New  
Head of the Nutritional Sciences Department, University of Surrey

Professor Julie Lovegrove  
Professor of Human Nutrition, Director of the Hugh Sinclair Unit of Human Nutrition and Deputy Director for the Institute for Cardiovascular and Metabolic Research, University of Reading

Professor Ian Macdonald  
Professor of Metabolic Physiology, School of Life Sciences, University of Nottingham

Professor Harry McArdle (until July 2019)  
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)  
Retired from Unilever (June 2019)

Professor Ken Ong  
Professor of Paediatric Epidemiology, MRC Epidemiology Unit,  
University of Cambridge

Mrs Gemma Paramor (Lay member)  
Finance professional in accounting and investment management

Professor Lucilla Poston  
Tommy's Professor of Maternal and Fetal Health, Head of School of  
Life Course Sciences, King's College London

Professor Hilary Powers  
Professor Emeritus of Nutritional Biochemistry, Department of  
Oncology and Metabolism, University of Sheffield

Professor Sian Robinson  
Professor of Lifecourse and Lifestyle, Newcastle University

Professor Angus Walls (until July 2019)  
Professor of Restorative Dentistry and Director of the Edinburgh Dental  
Institute, University of Edinburgh

Dr Stella Walsh (Lay member)

Professor Charlotte Wright  
Professor of Community Child Health, University of Glasgow

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

## **Observers**

Ms Emily Chan (from August 2019)  
Food Standards Agency Northern Ireland

Ms Naomi Davidson (until July 2019)  
Food Standards Agency Northern Ireland

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

Professor Louis Levy  
Public Health England

Ms Anne Milne (until October 2019)  
Food Standards Agency Scotland

Ms Laura Wilson (from November 2019)  
Food Standards Agency Scotland

Ms Sarah Rowles  
Department of Health and Social Services, Wales

Ms Debby Webb  
Department of Health and Social Care, England

**Secretariat Public Health England**

Dr Adrienne Cullum

Dr Daphne Duval

Ms Rachel Elsom

Ms Estella Hung (from September 2019)

Ms Emma Jeffcock (from January 2019)

Ms Goda Kijauskaite (until July 2019)

Ms Emma Peacock

Ms Mamta Singh

Mr Heiko Stolte

Ms Gillian Swan

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

**Chair** Professor Ken Ong  
Professor of Paediatric Epidemiology, MRC Epidemiology Unit,  
University of Cambridge

### **Other members**

Professor Peter Aggett (SACN Deputy Chair until July 2019, external expert since August 2019)

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 Annie Anderson (External expert) (until November 2019)  
Professor of Public Health Nutrition, University of Dundee

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

Professor Mairead Kiely (External expert until July 2019; SACN member since August 2019)  
Head of School of Food and Nutritional Sciences, University College Cork

Professor Lucilla Poston (co-opted external expert until July 2019; SACN member since August 2019)  
Tommy's Professor of Maternal and Fetal Health, Head of School of Life Course Sciences, King's College London

Professor Ann Prentice (SACN Chair)  
Honorary Professor of Global Nutrition and Health, MRC Nutrition and Bone Health Research Group, Cambridge (formerly Director of MRC Elsie Widdowson Laboratory, Cambridge)

Professor Siân Robinson (SACN member)  
Professor of Lifecourse and Lifestyle, Newcastle University

Professor Angus Walls (SACN member until July 2019; co-opted external expert since August 2019)  
Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute, University of Edinburgh

Dr Stella Walsh (SACN member)  
Lay member

Professor Charlotte Wright (SACN member)  
Professor of Community Child Health, University of Glasgow

**Observers**

Ms Linda Wolfson  
Scottish Government

Ms Debby Webb  
Department of Health and Social Care, England

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

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

Professor Mairead Kiely (SMCN member)  
Head of School of Food and Nutritional Sciences, University College Cork

Professor Julie Lovegrove (SACN member)  
Professor of Human Nutrition, Director of the Hugh Sinclair Unit of Human Nutrition and Deputy Director for the Institute for Cardiovascular & Metabolic Research, University of Reading

Dr David Mela (SACN member)  
Retired from Unilever (June 2019)

Mrs Gemma Paramor (SACN member)  
Finance professional in accounting and fund management

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

### **Observers**

Ms Alana McDonald  
Food Standards Agency, Scotland

## **Membership of the joint working group on lower carbohydrate diets for type 2 diabetes**

**Co-Chair** Professor Ian Macdonald (SACN member)  
Professor of Metabolic Physiology, School of Life Sciences, University of Nottingham

**Co-Chair** Mr Douglas Twenefour  
Deputy Head of Care, Diabetes UK

### **Other members**

Professor Peter Aggett (SACN member until July 2019, co-opted external expert since August 2019)  
Honorary Professor, School of Medicine and Health, Lancaster University, and Emeritus Professor and Past Head of Lancashire School of Postgraduate Medicine and Health, University of Central Lancashire

Dr Pamela Dyson (representing the British Dietetic Association)  
Research dietitian, Oxford Centre for Diabetes, Endocrinology and Metabolism. University of Oxford

Professor Nita Forouhi (independent expert)  
Programme Leader and Consultant Public Health Physician, Professor of Population Health and Nutrition, MRC Epidemiology Unit, University of Cambridge School of Clinical Medicine

Dr Darren Greenwood (SACN member)  
Senior Lecturer in Biostatistics, University of Leeds

Dr Rachel Pryke (representing the Royal College of General Practitioners)  
General practitioner, Redditch, Worcestershire

Professor Roy Taylor (representing the Royal College of Physicians)  
Professor of Medicine and Metabolism, Newcastle University

Ms Ruth Waxman  
Patient representative

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

**Observers** Ms Lorraine Shuker  
NHS England

Dr Monica Desai  
National Institute for Health and Care Excellence



## **Membership of the Older Adults Working Group**

**Chair** Ms Gill Fine (SACN member)  
Public Health Nutritionist

### **Other members**

Professor Harry McArdle (SACN member until July 2019, co-opted external expert since August 2020)  
Professor Emeritus of Biomedical Sciences, Rowett Institute of Nutrition and Health, University of Aberdeen  
Honorary Professor of Biological Sciences, University of Nottingham

Professor Siân Robinson (SACN member)  
Professor of Lifecourse and Lifestyle, Newcastle University

Dr Stella Walsh (SACN member)  
Lay member

Professor Angus Walls (SACN member until July 2019; co-opted external expert since August 2019)  
Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute, University of Edinburgh

## **Membership of the Military Energy Working Group**

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

### **Other members**

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

Professor Ian Macdonald (SACN member)  
Professor of Metabolic Physiology, School of Life Sciences, University of Nottingham

Dr Stella Walsh (SACN member)  
Lay member

## **Membership of the Nutrition and maternal health Working Group**

**Chair** Professor Ann Prentice (SACN member)  
Honorary Professor of Global Nutrition and Health, MRC Nutrition and Bone Health Research Group, Cambridge (formerly Director of MRC Elsie Widdowson Laboratory, Cambridge)

### **Other members**

Professor Annie Anderson (SMCN member until November 2019; co-opted external experts since December 2019)  
Professor of Public Health Nutrition, University of Dundee

Dr Darren Greenwood (SACN member)  
Senior Lecturer in Biostatistics, University of Leeds

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

Professor Mairead Kiely (SACN member)  
Head of School of Food and Nutritional Sciences, University College Cork

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

Professor Lucilla Poston (SACN member)  
Tommy's Professor of Maternal and Fetal Health, Head of School of Life Course Sciences, King's College London

Professor Siân Robinson (SACN member)  
Professor of Lifecourse and Lifestyle, Newcastle University

Professor Angus Walls (SACN member until July 2019; co-opted SMCN member since August 2019)  
Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute, University of Edinburgh

Dr Stella Walsh (SACN member)  
Lay member

### **Observers**

Dr Barbara Doerr  
Food Standards Agency

Ms Rachel McBryde  
Department of Health and Social Care

# Annex 3

## Committee members' biographies

### **Professor Ann Prentice (SACN Chair)**

Programme Leader of the MRC Nutrition and Bone Health (NBH) Research Group, Cambridge and Head of the Calcium, Vitamin D and Bone Health research team at MRC Unit, The Gambia. She was Director of the MRC Elsie Widdowson Laboratory, Cambridge from 1998-2018. The NBH Group is currently hosted by the MRC Epidemiology Unit at the University of Cambridge where she is Honorary Professor of Global Nutrition and Health. Her main research interests are nutritional aspects of bone health, rickets 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. Professor Prentice was President of the Nutrition Society (from 2004 to 2007). She has also served on a number of national and international advisory committees, including COMA's Subgroup on Nutrition and Bone Health. She is an Honorary Professor of the University of Cambridge, University of Witwatersrand, South Africa and Shenyang Medical College, PR China, a Visiting Professor of the University of Southampton and an Honorary Doctor of the University of Surrey. She is an Honorary Fellow of the Nutrition Society, the Association for Nutrition (AfN) and the Royal College of Paediatric and Child Health (RCPCH) and is an elected Fellow of the International Union of Nutritional Sciences, the Academy of Medical Sciences and the Royal Society of Biology. She was appointed an OBE in the Birthday Honours List of 2006.

### **Professor Peter Aggett (SACN Deputy Chair until July 2019)**

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. He 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 European Commission 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 7 years and is a past Chair and secretary of the Committee on Nutrition of the European Society for Paediatric Gastroenterology, Hepatology and Nutrition, past Chair of the Nutrition Committee of the RCPCH and past Chair of the Nutrition Committee of the Royal College of Physicians of London.

### **Ms Gill Fine**

Independent Public Health Nutritionist. She currently serves as a Trustee and Scientific Governor at the British Nutrition Foundation and as an Independent Board Member for the Agriculture and Horticulture Development Board Beef and Lamb Sector Board. From 2004 to 2010, she was Director of Consumer Choice and Dietary Health at the Food Standards Agency (FSA) 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. She 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 to 2004.

### **Dr Darren Greenwood**

Senior Lecturer in Biostatistics, School of Medicine, University of Leeds. His research focuses on the development and application of statistical methods in nutrition and perinatal epidemiology. Recent research includes meta-analysis of observational studies, pooling individual participant data across separate studies, and correcting for measurement error and incomplete data in nutrition epidemiology. Current work includes investigation of dietary patterns in relation to health outcomes and validation of dietary assessment tools using objective recovery and predictive biomarkers. He is the current Director of the World Health Organization Collaborating Centre for Nutritional Epidemiology, has authored over 200 research articles, served on the Royal Statistical Society Medical Section committee and is a regular statistical reviewer for a number of leading international journals.

### **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 health, the influence of early life events and the individual response to diet. He works on nutrition, epigenetics and genetics relevant to pregnancy, cognition and cancer. He edited *Nutrition in Epigenetics and Population Epigenetics*. He has served on a number of national and international advisory committees and panels including the UK Advisory Committee for Novel Foods and Processes and the EU Healthy Diet for a Healthy Life Joint Programming Initiative. He is Chair of the Biotechnology and Biological Sciences Research Council (BBSRC) Bioscience for Health Strategy Panel and a member of the BBSRC Research Advisory Panel. His research is funded by Scottish Government, Economic and Social Research Council (ESRC)/BBSRC and medical charities.

### **Professor Susan Jebb**

Professor of Diet and Population Health, Nuffield Department of Primary Care Health Sciences, University of Oxford. Her main research interests are in the prevention and treatment of obesity and cardiometabolic risk through behavioural interventions at both the individual and population level to change diet. She was Chair of the government Expert Advisory Group on Obesity from 2007 to 2011, independent Chair of the Public Health Responsibility Deal Food Network from 2011 to 2015 and Chair of a NICE Public Health Advisory Committee from 2014 to 2018. She is a Fellow of the Academy of Medical Sciences and was appointed an OBE in 2008 for services to public health.

### **Professor Mairead Kiely**

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 is in two main areas: the role of micronutrients in human health and maternal and child nutrition.

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

Professor of Human Nutrition and Head of the Nutritional Sciences Department at the University of Surrey. Her research focuses on nutrition and bone health with a particular focus on vitamin D. She has won a number of awards including the Nutrition Society Silver Medal for her work showing a link between acid-base homeostasis and skeletal integrity and the 2018/2019 British Nutrition Foundation Prize for her work on Nutrition and Musculoskeletal Health. 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. She is a member of the Nutrition Forum for the Royal Osteoporosis Society, a Trustee of the British Nutrition Foundation and the new Honorary Secretary for the Nutrition Society. She has recently been awarded Fellowship status of the Society of Biology and Fellowship status of the AfN. She led an application for Nutritional Sciences at Surrey that won the 2017/2018 Queen's Anniversary Prize for Higher Education, which is the first time the Prize has been awarded to nutritional sciences. Her research is funded by the BBSRC, MRC, the Ministry of Defence and medical charities.

### **Professor Julie Lovegrove**

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). Her 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 several research ethics committees. She was Chair of the Accreditation Committee for the AfN and Deputy Chair of Council for AfN until 2019. She represents SACN on the project board for the National Diet and Nutritional Survey (NDNS) and was a member of the Saturated Fats and Health, joint SACN-COT Working Group on Potassium-based Sodium Replacers and the Carbohydrate and Health working groups. She is also a member of two International Life Science Institute (ILSI) working groups. She was awarded a Fellowship of the AfN in 2014. She is President of the Nutrition Society for UK and Ireland.

### **Professor Ian Macdonald**

Professor of Metabolic Physiology and completed his 4-year term as Head of the School of Life Sciences at the University of Nottingham in July 2017. His research interests concern 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 individuals and various patient groups, and combines whole body physiological measurements, molecular investigation of tissue samples and dietary interventions. 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 to 2010 and in 2013 was awarded a Fellowship of the AfN and elected as a Fellow of the International Union of Nutritional Sciences. He is also a Fellow of the Royal Society of Biology and of the Physiological Society. In November 2017 he was awarded the British Nutrition Foundation Prize.

### **Professor Harry McArdle**

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 and an Honorary Professor in Biological Sciences at the University of Nottingham. His main research interests involved micronutrients and the critical role they play in growth and development. He is currently a co-applicant, with Professor Nicola Lowe of the University of Central Lancashire, testing whether

biofortified wheat can improve zinc status in impoverished Pakistani women. He represented SACN on the Advisory Committee on Novel Foods and Processes (ACNFP), is a member of the Minerals Working Group, Novel Foods Working Group and Health Claims Working Group for the EFSA and is a member of the Panel on Nutrition, Novel Food and Food Allergens (NDA) for EFSA.

### **Dr David Mela**

Retired in June 2019 from his role as a Senior Scientist at Unilever R&D, which followed an academic research career in the US and UK. He has published over 100 professional papers, mainly in the biological and behavioural aspects of food choice, eating behaviour and energy balance, ranging from consumer research through energy metabolism. At Unilever, he was involved with research programmes to assess the potential health and wellness impacts of different dietary guidance, foods and ingredients and input into the management of specific technical and regulatory issues. He has also participated in a wide range of academic and trade groups involved in the evaluation, commissioning and delivery of research in nutrition and health.

### **Professor Ken Ong**

Co-leads the Early Life Aetiology and Mechanisms of Diabetes and Related Metabolic Disorders programme at the MRC Epidemiology Unit, University of Cambridge. His research at the Unit and the Department of Paediatrics identified rapid postnatal growth, weight gain and early reproductive timing as determinants of and also potential targets for prevention of childhood obesity, type 2 diabetes and related disorders. His programme examines the mechanisms that underlie these life-course trajectories to disease risk and works closely with other Unit programmes to develop and test early life behavioural interventions to prevent childhood obesity. He is also an honorary consultant paediatric endocrinologist and clinical lead for childhood obesity at the Cambridge University Hospitals NHS Trust.

### **Mrs Gemma Paramor**

Finance professional who has worked in both the accounting and investment management industries. She is a member of the Institute of Chartered Accountants of England and Wales. In her current employment as an Investment Partner she is focused on the healthcare sector. She is accustomed to the 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-expert audience. Gemma studied Biological Sciences at Oxford University and is the mother of two children.

### **Professor Lucilla Poston**

Tommy's Professor of Maternal and Fetal Health, King's College London and Head of the School of Life Course Sciences. Her research focuses on the consequence of exposures in utero for life-long health of the child, particularly in relation to maternal nutritional status and gestational diabetes. She is a member of the Early Nutrition Academy and President of the International Society for the Developmental Origins of Health and Disease.

### **Professor Hilary Powers**

Professor Emeritus in Nutritional Biochemistry, Department of Oncology and Metabolism at the University of Sheffield. Her research has focused on the role of B vitamins in health and disease with specific focus on methyl donor nutrients and Human papillomavirus infection-linked cancers and functional biomarkers of micronutrient status. She has published extensively in this field. She represents SACN on the Project Board for the NDNS. Her activities in the nutrition community have included membership of the Standing Committee on Nutrition for the RCPCH, the Expert Panel for the American Institute for Cancer Research (AICR)/World Cancer Research Fund (WCRF) Reports into Food, Nutrition, Physical Activity and Cancer, a Working Group for the International Agency for Research in Cancer (IARC) and on various grant awarding bodies for the BBSRC and WCRF. She is co-editor of the classic textbook, *Human Nutrition*. She was made an Honorary Fellow of the Nutrition Society in 2018.

### **Professor Siân Robinson**

Professor of Lifecourse and Lifestyle at Newcastle University. She is a nutritional epidemiologist, with a background in population studies - previously having worked on a number of national and international birth cohort studies while at the University of Southampton. Her main interests are in lifecourse influences of diet and lifestyle on health in later life, with a particular focus on inequalities in health in older age, and translational research to inform preventive and treatment strategies.

### **Professor Angus Walls**

Professor of Restorative Dentistry and Director of the Edinburgh Dental Institute, University of Edinburgh. His research interests focus on the oral healthcare 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**

Experienced lay member who has served on several government and industry committees and has responded to consultations on behalf of consumers. She is a member and previous secretary of the National Consumer Federation (NCF). 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 2015, she was also a consumer member on the Veterinary Residues Committee.

### **Professor Charlotte Wright**

Professor of Community Child Health, School of Medicine and Nursing at Glasgow University and honorary consultant paediatrician at the Royal Hospital for Children in Glasgow. She 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 breastfeeding and the management of childhood obesity. She recently headed the RCPCH group who designed the new UK growth charts.

### **Professor Ian Young**

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. His 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 several leading international journals. He frequently speaks at national and international meetings on lipid management and topics related to laboratory medicine.

## **Biographies for those who are not members of SACN**

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

#### **Professor Annie Anderson**

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 are 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 World Health Organisation (WHO) IARC, NICE, Department of Health and Social Care, FSA 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 President of the UK Society for Behavioural Medicine.

#### **Professor Alan Jackson**

Emeritus Professor of Human Nutrition, University of Southampton. He 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.

### **Saturated Fats Working Group**

#### **Professor Jules Griffin**

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, a Fellow of King's College, Cambridge and is affiliated with the Elsie Widdowson Laboratory. The work of his group focuses 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 focuses on four areas of research: (i) understanding the role that peroxisome proliferator activated receptors 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.

## **Joint Working Group on Lower Carbohydrate Diets for Type 2 Diabetes**

### **Dr Pamela Dyson**

Research dietitian at the University of Oxford and holds a sessional contract as a diabetes specialist dietitian with Oxford Health NHS Foundation Trust. She also holds a voluntary post as Chief Executive Officer of the Oxford Health Alliance, a charity set up to combat the epidemic of non-communicable disease. Her main research interests are dietary management of diabetes, weight management and behavioural aspects of lifestyle change. She has a particular interest in establishing the evidence base for dietary interventions and is currently co-chairing the Diabetes UK Nutrition Working Group which is revising and updating the nutrition guidelines for the prevention and treatment of diabetes.

### **Professor Nita Forouhi**

Programme Leader in Nutritional Epidemiology and Professor of Population Health and Nutrition, MRC Epidemiology Unit, University of Cambridge. Her research focuses on identifying dietary factors for the risk of type 2 diabetes and cardiometabolic disease, systematically addressing the key challenges in nutritional research, combining scale and depth of investigation using large epidemiological cohorts. She has an interest in developing and using improved methods to assess diet, including the measurement of nutritional biomarkers, in understanding ethnic and other between-population differences in health, and in global nutrition and health. She is the Deputy Lead for the Diet, Nutrition & Lifestyle Theme of the National Institute for Health Research Cambridge Biomedical Research Centre. She is a Principal Investigator of several studies, an Honorary Consultant Public Health Physician with Public Health England, has published over 250 scientific publications and has served on numerous advisory bodies.

### **Dr Rachel Pryke**

Part-time GP and trainer in Redditch, Worcestershire. She was the Royal College of General Practitioners (RCGP) Clinical Champion for Nutrition until 2015 and began a NICE Fellowship in April 2015. Established the RCGP Nutrition Group in 2013. She has written extensively. She runs primary care obesity training courses throughout the UK and has collaborated with WHO on a European primary care obesity training package. She is a member of the National Child Measuring Programme Board, PHE Obesity Priority Programme Board and RCGP representative for the Obesity Health Alliance.

### **Professor Roy Taylor**

Professor of Medicine and Metabolism, University of Newcastle and Honorary Consultant Physician in Newcastle. He has run clinical services in diabetes, obstetric medicine and general medicine since appointment to present post in 1985. From 2016, he stopped providing direct clinical care in order to focus on research into the aetiology and pathogenesis of type 2 diabetes. This involves development of novel magnetic resonance methodology and use of in vivo metabolic tests.

### **Mr Douglas Twenefour**

Deputy Head of Care at Diabetes UK and a registered dietitian. He has extensive clinical experience within the NHS as a Specialist Obesity and Diabetes dietitian. As spokesperson for Diabetes UK, he has featured on various national, regional and international media platforms. He holds a Master of Philosophy degree in Nutrition, a Postgraduate Diploma in Dietetics, and a Bachelor of Science Degree in Nutrition and Food Science. He has worked with a number of universities, academic institutions and health organisations worldwide, and is currently Co-Chair of Diabetes UK Nutrition Guidelines committee.

### **Ms Ruth Waxman**

Chair of Enfield Diabetes Support Group and patient representative on Diabetes Clinical Working Group at Enfield Clinical Commissioning Group (CCG). She represented patients' views at Diabetes Retinopathy Group, Diabetes Stakeholder Group and Diabetes Reference Group prior to changes at CCG. She meets with Diabetes UK London regional manager to provide updates on diabetes care in Enfield. She works with diabetes consultant nurses and diabetes specialist nurses in Enfield and will be working with a local surgery to support their patients with diabetes. She has spoken in Parliament and given presentations to GPs, healthcare professionals, medical students and lay people about living with diabetes. As a member of Diabetes Voices, she meets Members of Parliament to inform them about diabetes care. She is a patient representative at NICE to discuss new medications for diabetes.

# Annex 4

## Remuneration and committee finance

The amount paid to committee members for fees in 2019 was:

- for main meetings or working group, subgroup or drafting group meetings, those who chaired a meeting received a total fee of £240 per meeting inclusive of attendance and reading fees
- members not chairing received £200 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 non-SACN meetings if they were attending in their capacity as members of SACN.

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

The cost of the committee fees and expenses for 2019, excluding secretariat resources, was £52,047.91. Costs were met by PHE.

# Annex 5 Declarations of interest

## SACN Main Committee

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Peter Aggett	European Food Safety Authority (EFSA)	<p><b>Nature of interest:</b> Member of Panel on Additives and Nutrient Sources added to Foods. EFSA Scientific Committee, and Dietetic Products, Nutrition and Allergies (NDA) Panel Working Groups</p> <p><b>Financial:</b> Yes (honoraria received, travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary Reference Values (DRVs) for minerals: Additive Risk Assessment: Approaches to setting Health Based Guidance Values</p> <ul style="list-style-type: none"> <li>NDA: DRVs for Minerals</li> </ul>	None	N/A

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
		<ul style="list-style-type: none"> <li>• ANS: Additives and Nutrient Sources</li> </ul> <p><b>Dates:</b> 2014 to present</p>		
	Royal College of Physicians	<p><b>Nature of interest:</b> Chair of Nutrition Committee</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Nutrition support, policy and practice, advancing post qualification training in Nutrition for the RCP</p> <p><b>Dates:</b> 2015 to 2019</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<p><b>European and Developing Countries Clinical Trials Partnership (EDCTP)</b></p>	<p><b>Nature of interest:</b> Panel Member</p> <p><b>Financial:</b> Yes (travel and accommodation expenses. Honoraria reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Research Ethics and Governance: Review of protocols for and conduct of proposed collaborative research between European Centres and Developing Countries into management of infectious diseases.</p> <p><b>Dates:</b> 2017 to present</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<p><b>Initiative of International Life Sciences Institute (North America) and American Heart Association (AHA)</b></p>	<p><b>Nature of interest:</b> Advisor</p> <p><b>Financial:</b> No. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> As part of the AHA drive to reduce dietary sodium intakes in the USA, I explained to this strategy group the conduct of, and lessons learnt, from the SACN/Committee on Toxicity (COT) Risk-Benefit Assessment for replacing Sodium based additives with those based on Potassium. COT has now advised on the risk assessment approach to assessing and modelling of exposures to sodium and potassium.</p> <p><b>Dates:</b> July- August 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<p><b>Collaboration on “Methodological Guidance for trials of breast milk Substitutes (BMSs)”.</b></p>	<p><b>Nature of interest:</b> Independent Chair  <b>Financial:</b> No. <i>Amount received per annum over £5,000:</i> No  <b>Subject matter:</b> Teleconference of International Delphi exercise with range of academics and non-government organisations, to agree transparent standards and protocol for the evaluation of new BMSs.  <b>Dates:</b> October 2018</p>		

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Musgrave Group</b>	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes (fee received, travel and subsistence reimbursed) <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> strategic issues and providing insights from a public health nutrition perspective</p> <p><b>Dates:</b> May 2015 to December 2019</p>		
	<b>British Nutrition Foundation</b>	<p><b>Nature of interest:</b> Scientific governor (until November 2019) and Trustee</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> governance issues and providing insights from a public health nutrition perspective</p> <p><b>Dates:</b> May 2011 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<p><b>Dr Darren Greenwood</b></p> <p>(As Director of the WHO Collaborating Centre in Nutritional Epidemiology, Dr Greenwood has administrative responsibility for Collaborating Centre interests that are not covered by personal or non-personal interests)</p>	<p><b>Springer</b></p>	<p><b>Nature of interest:</b> Book editor</p> <p><b>Financial:</b> Yes (royalties related to "Tu YK, Greenwood DC (Eds.) (2008) Modern Methods for Epidemiology. Springer." <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Statistical methods</p> <p><b>Dates:</b> 2012 to present</p>	<p><b>University of Leeds (World Health Organization Collaborating Centre)</b></p>	<p><b>Nature of interest:</b> Head of Centre</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Nutritional Epidemiology</p> <p><b>Dates:</b> 2018 to 2022, with the possibility of extension</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>EU Framework 7</b>	<p><b>Nature of interest:</b> Research collaboration</p> <p><b>Financial:</b> No (Free data access)</p> <p><b>Subject matter:</b> Diet in pregnancy, maternal weight gain, birth outcomes and child health</p> <p><b>Dates:</b> 2016 to 2019</p>
			<b>Department of Health and Social Care Policy Research Programme</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000: Yes</i></p> <p><b>Subject matter:</b> Maternal iodine status, birth outcomes and child cognition</p> <p><b>Dates:</b> 2016 to 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Yorkshire Cancer Research</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Increasing bowel cancer screening uptake <b>Dates:</b> 2016 to 2019
			<b>Arthritis Research UK</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Assessment of multi- tissue pathology in knee osteoarthritis <b>Dates:</b> 2015 to 2018

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Medical Research Council (MRC)</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Development and validation of a UK online 24 hour dietary recall tool for population studies <b>Dates:</b> 2012 to 2018
			<b>Strategic Interdisciplinary Pump-Priming Scheme</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Linking measures of environmental sustainability of diet to automated online dietary assessment <b>Dates:</b> 2019 to 2020



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>GrowMedTech (Research England Connecting Capability Fund)</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000: Yes</i> <b>Subject matter:</b> Developing a diet optimisation engine to support nutrition of gastroenterology patients <b>Dates:</b> 2019 to 2020
			<b>Leeds City Region</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000: Yes</i> <b>Subject matter:</b> Automated processing of web-scraped dietary data to augment dietary assessment tools <b>Dates:</b> 2019 to 2020

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>British Heart Foundation</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Objective assessment of fatigue or dyspnoea as the mechanism of exercise limitation in heart failure: Implications for individualised therapy <b>Dates:</b> 2019 to 2022

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<p><b>Professor Paul Haggarty</b></p> <p>(As Deputy Director of Research at the Rowett Institute, Professor Haggarty has administrative responsibility for institutional interests that are not covered by personal or non-personal interests)</p>			<p><b>Scottish Government</b></p>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000: Yes</i></p> <p><b>Subject matter:</b> Scottish Government's Rural and Environment Science and Analytical Services Division (RESAS) funded research programme on food and health</p> <p><b>Dates:</b> 2016 to 2021</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Economic and Social Research Council and Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research project on early life factors, epigenetics and cognition</p> <p><b>Dates:</b> 2015 to 2018</p>
			<b>Aberdeen Gates Trust (medical charity)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research project on nutrition, epigenetics and breast cancer susceptibility</p> <p><b>Dates:</b> 2008 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>NHS Endowments &amp; The Pathological society</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> A Pilot Study of the Role of Carnitine Palmitoyltransferase-1 in the Progression of Breast Cancer <b>Dates:</b> 2017 to 2018
			<b>Global Challenges Research Fund (central and institutional)</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> No <b>Subject matter:</b> Grant funding to set up collaborative research projects with Senegal, Tanzania, and Bangladesh. <b>Dates:</b> 2018

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Global Challenges Research Fund (GCRF)</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> GCRF Action against Stunting Hub. <b>Dates:</b> 2019 to 2024

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<p><b>Professor Mairead Kiely</b> (As Head of the School of Food and Nutritional Sciences at University College Cork, Professor Kiely has administrative responsibility for institutional interests that are not covered by personal or non-personal interests)</p>	<p><b>Food Safety Authority of Ireland</b></p>	<p><b>Nature of interest:</b> Member of the Public Health Nutrition Sub-Committee; Member of the Tolerable Upper Levels working group; Member of the Healthy Eating working group for young children aged 1-5 years.</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). Amount received per annum over £5,000: No</p> <p><b>Subject Matter:</b> Public Health Nutrition policy</p> <p><b>Dates:</b> 2008 to present.</p>	<p><b>Science Foundation Ireland</b></p>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (PhD student funding and research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> PINPOINT Project: Personalised nutrition for the preterm infant</p> <p><b>Dates:</b> 2015 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	European Journal of Nutrition	<p><b>Nature of interest:</b> Editorial board member; micronutrients editor.</p> <p><b>Financial:</b> No</p> <p><b>Subject Matter:</b> Nutrition Science</p> <p><b>Dates:</b> 2016-present</p>	Danone Early Life Nutrition	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> PINPOINT Personalised nutrition for the preterm infant</p> <p><b>Dates:</b> 2015 to 2020</p>
	Journal of Human Nutrition and Dietetics	<p><b>Nature of interest:</b> Editorial Board member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial</p> <p><b>Dates:</b> 2012 to present</p>	Fresenius Kabi	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Cash contribution to the PINPOINT project: Personalised nutrition for the preterm infant</p> <p><b>Dates:</b> 2015 to 2020</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Nestle</b>	<p><b>Nature of interest:</b> Workshop presenter</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Child Nutrition</p> <p><b>Dates:</b> September 2018</p>	<b>Crème Global Nutrition</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Benefit-in-kind and cash contribution to the PINPOINT project: Personalised nutrition for the preterm infant</p> <p><b>Dates:</b> 2015 to 2020</p>
	<b>Vitamin D Workshop</b>	<p><b>Nature of interest:</b> Member of the workshop executive committee</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Vitamin D Science</p> <p><b>Dates:</b> March 2018-present</p>	<b>Science Foundation Ireland</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (PhD student funding and research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> COMBINE Project: Cork Nutrition and Microbiome Maternal-Infant Cohort Study</p> <p><b>Dates:</b> 2015 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Solaris Health</b>	<p><b>Nature of interest:</b> Speaker at CPD meeting</p> <p><b>Financial:</b> Yes (travel reimbursement) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Vitamin D requirements in pregnant women and children</p> <p><b>Dates:</b> May 2019</p>	<b>Irish Centre for Fetal and Neonatal Translational Research (INFANT)</b>	<p><b>Nature of interest:</b> Member of the executive management team</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> INFANT</p> <p><b>Dates:</b> November 2015-present</p>
	<b>Ranks Forum</b>	<p><b>Nature of interest:</b> Speaker at Ranks Forum meeting</p> <p><b>Financial:</b> Yes (travel reimbursement) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Vitamin D requirements in pregnant women and children</p> <p><b>Dates:</b> September 2019</p>	<b>Enterprise Ireland Meat Technology Institute</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Analysis of BASELINE cohort data.</p> <p><b>Dates:</b> 2018 to 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Nestle Nutrition Institute	<p><b>Nature of interest:</b> Speaker at Nestle Nutrition Institute European Meeting</p> <p><b>Financial:</b> Yes (Honorarium and travel reimbursement) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Vitamin D in preterm infants</p> <p><b>Dates:</b> September 2019</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Susan Jebb	Academy of Medical Sciences	<p><b>Nature of interest:</b> Fellow</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Medical research</p> <p><b>Dates:</b> 2018-Present</p>	Guys and St. Thomas Foundation	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes.</p> <p><b>Subject matter:</b> Project to design evaluation plans for interventions in grocery stores in Lambeth and Southwark</p> <p><b>Dates:</b> 2018-2019</p>
	British Council	<p><b>Nature of interest:</b> Meeting attendance</p> <p><b>Financial:</b> Travel and subsistence</p> <p><b>Subject matter:</b> Queen's Lecture: Diet, obesity and health</p> <p><b>Dates:</b> November 2018</p>	British Heart Foundation	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (To University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Diet &amp; Obesity Research. Systematic review of weight regain after intentional weight loss and its impact on cardiovascular and other related health outcomes.</p> <p><b>Dates:</b> 2018-Present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Nutrition Society</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Nutrition research</p> <p><b>Dates:</b> 2017-Present</p>	<b>National Institute for Health Research</b>	<p><b>Nature of interest:</b> Senior Investigator</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Diet and Obesity Research</p> <p><b>Dates:</b> 2018-Present</p>
	<b>Science Media Centre</b>	<p><b>Nature of interest:</b> Member of Advisory Board</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Science communication</p> <p><b>Dates:</b> 2017-Present</p>	<b>NIHR Biomedical Research Centre</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford) <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Diet, Obesity and Lifestyle Theme</p> <p><b>Dates:</b> 2017-Present</p>
	<b>National Institute for Health and Care Excellence</b>	<p><b>Nature of interest:</b> Chair, Public Health Advisory Committee A</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Various public health guidance documents</p> <p><b>Dates:</b> 2013-2018</p>	<b>Public Health England Obesity Reduction &amp; Reformulation Group</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Obesity Policy</p> <p><b>Dates:</b> 2017-Present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Association for Study of Obesity</b>	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Obesity research</p> <p><b>Dates:</b> 1987-Present</p>	<b>Wellcome Trust</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford) <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Livestock, Environment and People programme</p> <p><b>Dates:</b> 2017-Present</p>
	<b>University of Cambridge</b>	<p><b>Nature of interest:</b> Scientific Advisory Board member</p> <p><b>Financial:</b> Travel and subsistence</p> <p><b>Subject matter:</b> Wellcome Trust Behaviour By Design programme</p> <p><b>Dates:</b> 2018 - present</p>	<b>NIHR Technology Assessment Programme</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Weight management interventions for women postnatally</p> <p><b>Dates:</b> 2017-Present</p>
	<b>University of Newcastle</b>	<p><b>Nature of interest:</b> Scientific Advisory Board member</p> <p><b>Financial:</b> Travel and subsistence</p> <p><b>Subject matter:</b> DHSC Policy Presearch Unit on Behavioural Sciences</p> <p><b>Dates:</b> 2019 - present</p>	<b>British Heart Foundation</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes.</p> <p><b>Subject matter:</b> DPhil Studentship</p> <p><b>Dates:</b> 2016-2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>British Heart Foundation</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Development and feasibility testing of a behavioural intervention to reduce salt intake.</p> <p><b>Dates:</b> 2016-Present</p>
			<b>National Institute of Health Research Collaborations for Leadership in Applied Health Research and Care (Sept 2019 became Applied Research Centre)</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Disease prevention through health behaviour change programme</p> <p><b>Dates:</b> 2015-Present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Cambridge Weight Plan</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Project to test effectiveness of total diet replacement programme</p> <p><b>Dates:</b> 2015-2020</p>
			<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Interventions to reduce energy intake through portion control</p> <p><b>Dates:</b> 2014-2018</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Susan Lanham-New	D3TEX Ltd	<p><b>Nature of interest:</b> Research Director</p> <p><b>Financial:</b> Yes (shareholdings). <i>Value of shares over £5,000:</i> No</p> <p><b>Subject matter:</b> Develop an effective and cost-efficient textile-based solution to help combat vitamin D deficiency in veiled women</p> <p><b>Dates:</b> 2007 to present</p>	Ministry of Defence	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Vitamin D research for prevention of stress fractures in the Royal Marines</p> <p><b>Dates:</b> 2014 to present</p>
	Nutrition Society	<p><b>Nature of Interest:</b> Nutrition Science Communication.</p> <p><b>Financial:</b> Yes (Travel Expenses only) <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Trustee of the Nutrition Society (Hon Secretary)</p> <p><b>Dates:</b> 2018 to present</p>	European Union	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Vitamin D research ODIN project</p> <p><b>Dates:</b> 2014 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>British Nutrition Foundation</b>	<p><b>Nature of Interest:</b> Nutrition Science Communication.</p> <p><b>Financial:</b> Yes (Travel Expenses only) <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Trustee of the British Nutrition Foundation</p> <p><b>Dates:</b> 2019 to present</p>	<b>Ministry of Defence</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Vitamin D research for optimising health in British Submariners</p> <p><b>Dates:</b> 2014 to present</p>
			<b>Higher Education Funding Council</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Nutrition and exercise strategies for healthy ageing</p> <p><b>Dates:</b> 2017 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Solaris Pharmaceuticals</b>	<b>Nature of interest:</b> Research Conference talk on Vitamin D <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> No <b>Subject matter:</b> Talk at a conference in Birmingham, July 2019. Honorarium paid. Talk at a conference in London, November 2019. Honorarium paid. <b>Dates:</b> 2019
			<b>Rank Prize Funds</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Scientific Meetings on Vitamin D <b>Dates:</b> 2019

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Biotechnology and Biological Sciences Research Council</b>	<b>Nature of interest:</b> Research <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Doctoral Training Programme on Food Bio-Systems. Led by Reading University and includes Universities of Surrey, Cranfield, Brunel, Belfast, Aberystwyth and Surrey <b>Dates:</b> 2019-2028

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Julie Lovegrove	International Life Sciences Institute (ILSI) Europe	<p><b>Nature of interest:</b> Chair (since 2017) and Member (since 2016) of ILSI Europe Qualitative Fat Intake Expert Group on 'Update on Health Effects of Different Dietary Saturated Fats'</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Health effects of saturated fats</p> <p><b>Dates:</b> Member: November 2016 to present Chair: May 2017 to present</p>	British Heart Foundation	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> The physiological importance and integration of receptor-mediated inhibitory mechanisms in platelets in health and disease</p> <p><b>Dates:</b> 2015 to 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>International Life Sciences Institute (ILSI) Europe</b>	<p><b>Nature of interest:</b> Member of ILSI Europe Expert Group on ‘Efficacy of dietary interventions on metabolic syndrome’;</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Efficacy of dietary interventions on metabolic syndrome</p> <p><b>Dates:</b> November 2014 to present</p>	<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into saturated fat and lipid markers of cardiovascular disease risk</p> <p><b>Dates:</b> June 2017 to May 2020</p>
	<b>Association for Nutrition</b>	<p><b>Nature of interest:</b> Deputy Chair of Council</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Voluntary Register of Nutritionists</p> <p><b>Dates:</b> 2016-2018</p>	<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into the impact of dietary intake on bile acids as biomarkers of health and cardiovascular risk.</p> <p><b>Dates:</b> May 2017 to April 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Association for Nutrition</b>	<p><b>Nature of interest:</b> Chair of Business, Planning and Governance Committee</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Voluntary Register of Nutritionists</p> <p><b>Dates:</b> 2016-2018</p>	<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into circulating fatty acids as biomarkers of health and disease</p> <p><b>Dates:</b> August 2017 to July 2020</p>
	<b>Association for Nutrition</b>	<p><b>Nature of interest:</b> Chair of Accreditation Committee</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Voluntary Register of Nutritionists</p> <p><b>Dates:</b> 2011-2018</p>	<b>AHDB/NEXUS</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into dietary patterns, nutrient intake and cardiovascular risk factors</p> <p><b>Dates:</b> June 2017 – June 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Nutrition Society</b>	<p><b>Nature of interest:</b> Presentation at Winter Conference</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary fats and cardiometabolic disease risk</p> <p><b>Dates:</b> December 2018</p>	<p><b>European Institute of Innovation and Technology Food Knowledge and Innovation Centre &amp; PepsiCo</b></p>	<p><b>Nature of interest:</b> Research grant with PepsiCo as a partner</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into personalised nutrition app development</p> <p><b>Dates:</b> January 2018 – December 2018</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Italian Nutrition and Dietetic Society</b>	<p><b>Nature of interest:</b> Presentation at conference</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary fats and cardiometabolic disease risk</p> <p><b>Dates:</b> October 2018</p>	<b>Biotechnology and Biological Sciences Research Council</b>	<p><b>Nature of interest:</b> Research grant with PepsiCo, Mars Wrigley, Unilever, Premier Foods, Arla, Pladis, Mondelez as a partner</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into impact of reduced fat foods on satiety and food intake</p> <p><b>Dates:</b> January 2017 – April 2019</p>
	<b>Nutrition Society</b>	<p><b>Nature of interest:</b> President Elect</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> UK Learned Society of Nutrition</p> <p><b>Dates:</b> January 2019 - August 2019</p>	<b>Barham Benevolent Foundation</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into impact of animal and plant protein on cardiometabolic risk</p> <p><b>Dates:</b> April 2017 – March 2020</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Nutrition Society	<p><b>Nature of interest:</b> President</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> UK Learned Society of Nutrition</p> <p><b>Dates:</b> September 2019 - September 2022</p>	<p><b>European Institute of Innovation and Technology Food Knowledge and Innovation Centre &amp; PepsiCo</b></p>	<p><b>Nature of interest:</b> Research grant with PepsiCo as a partner</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into personalised nutrition app development</p> <p><b>Dates:</b> January 2019 – December 2019</p>
			<p><b>Dutch Dairy Council</b></p>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research into impact of substitution of saturated fats from different foods on cardiometabolic risk</p> <p><b>Dates:</b> October 2019 - September 2023</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Danish Dairy Foundation</b>	<b>Nature of interest:</b> Research grant <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Research into impact of substitution of saturated fats from different foods on cardiometabolic risk <b>Dates:</b> October 2019 - September 2023
			<b>European Institute of Innovation and Technology Food4Health Knowledge and Innovation Centre</b>	<b>Nature of interest:</b> Research grant with OME Health as a partner <b>Financial:</b> Yes (research funding). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Research Proposal for intervention on diet and metabolic health <b>Dates:</b> September 2019 - December 2019

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>EU Horizon 2020</b>	<p><b>Nature of interest:</b> Research grant  <b>Financial:</b> Yes (research funding).  <i>Amount received per annum over £5,000:</i> Yes  <b>Subject matter:</b> Research  “FoodCloud” Personalised nutrition  <b>Dates:</b> October 2019 - September 2023</p>
			<b>Rank Prize Foundation Studentship</b>	<p><b>Nature of interest:</b> Research grant  <b>Financial:</b> Yes (research funding).  <i>Amount received per annum over £5,000:</i> Yes  <b>Subject matter:</b> Research into impact of substitution of saturated fats from different foods on cardiometabolic risk  <b>Dates:</b> October 2019 - September 2023</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Ian Macdonald	Nature Publishing Group	<p><b>Nature of interest:</b> Editor International Journal of Obesity</p> <p><b>Financial:</b> Yes (honorarium received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Editing the journal</p> <p><b>Dates:</b> 2005 to present</p>	Unilever	<p><b>Nature of interest:</b> University lead in strategic link with Unilever</p> <p><b>Financial:</b> Yes (University of Nottingham receives PhD student and research project funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Research</p> <p><b>Dates:</b> 2014 to present</p>
	Mars Incorporated	<p><b>Nature of interest:</b> Presence on Mars Scientific Advisory Council as a Waltham Centre for Pet Nutrition research advisor</p> <p><b>Financial:</b> Yes (honorarium received, paid to University of Nottingham). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Advice on nutrition research</p> <p><b>Dates:</b> 2014 to present</p>	Mars Incorporated, Technology Strategy Board (Innovate UK) and Biotechnology and Biological Sciences Research Council (BBSRC)	<p><b>Nature of interest:</b> Research project grant</p> <p><b>Financial:</b> Yes (BBSRC research funding to the University of Nottingham). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Dietary carbohydrates</p> <p><b>Dates:</b> 2014 to 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Mars Incorporated-Waltham Centre for Pet Nutrition</b>	<p><b>Nature of Interest:</b> Peer-review of pet nutrition research projects</p> <p><b>Financial:</b> Yes (honorary received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Pet nutrition research</p> <p><b>Dates:</b> 2015 to present</p>	<b>Biotechnology and Biological Sciences Research Council (BBSRC)</b>	<p><b>Nature of interest:</b> Research project grant on Bedrest: impact of immobility on Insulin sensitivity</p> <p><b>Financial:</b> Yes (BBSRC research funding to the University of Nottingham). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Insulin resistance</p> <p><b>Dates:</b> 2016 to 2019</p>
	<b>Mars UK/Europe</b>	<p><b>Nature of Interest:</b> Member of Nutrition Advisory Board, and Health and Wellbeing Committee</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed. Honorary paid to the University of Nottingham). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Expert advice on human nutrition and on broader aspects of Health and Wellbeing</p> <p><b>Dates:</b> October 2015 to present</p>	<b>Wilmington Health Care</b>	<p><b>Nature of Interest:</b> Advisory Group for the Development of a Diabetes Care Scenario</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Providing advice on the development of a clinical care scenario for people with type 2 diabetes</p> <p><b>Dates:</b> July 2018 to Jan 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Life Sciences Institute Europe	<p><b>Nature of interest:</b> Member of Dietary Carbohydrates Task Force</p> <p><b>Financial:</b> Yes (economy travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Link between dietary carbohydrates and health</p> <p><b>Dates:</b> July 2015 to present</p>		
	International Life Sciences Institute Europe	<p><b>Nature of interest:</b> Member of expert group on 'Efficacy Markers of Diabetes Risk'</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Markers of insulin resistance and sensitivity</p> <p><b>Dates:</b> Late 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Ikea	<p><b>Nature of interest:</b> Member of Science and Health Committee</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed. Honorarium paid to the University of Nottingham. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Expert advice on food, lifestyle and health</p> <p><b>Dates:</b> October 2015 to December 2018</p>		
	Royal Society of Biology	<p><b>Nature of Interest:</b> Fellow</p> <p><b>Financial:</b> No</p> <p><b>Dates:</b> from 2014 to present</p>		
	International Union of Nutritional Sciences	<p><b>Nature of Interest:</b> Fellow</p> <p><b>Financial:</b> No</p> <p><b>Dates:</b> from September 2015 to present</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Association for Nutrition	<p><b>Nature of Interest:</b> Fellow</p> <p><b>Financial:</b> No</p> <p><b>Dates:</b> from 2015 to present</p>		
	British Nutrition Foundation (BNF)	<p><b>Nature of Interest:</b> BNF Prize Lecture</p> <p><b>Financial:</b> Yes (Travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Dates:</b> November 2018</p>		
	American Association of Cereal Chemistry International	<p><b>Nature of Interest:</b> Speaker in Debate about Glycaemic Index</p> <p><b>Financial:</b> Yes (Travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Dates:</b> October 2018</p>		
	Nutrition Society Winter meeting	<p><b>Nature of Interest:</b> Symposium speaker – title of talk ‘Free sugars’</p> <p><b>Financial:</b> Yes (Travel reimbursed and accommodation provided). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Dates:</b> December 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Zaluvida	<p><b>Nature of interest:</b> Member of Scientific Advisory Board</p> <p><b>Financial:</b> Yes (honorarium received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> pharmaceutical/nutraceutical approaches to obesity management</p> <p><b>Dates:</b> September 2017 to December 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Nestle Research Centre	<p><b>Nature of interest:</b> Member of Scientific Advisory Board</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed and honorarium paid). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Expert advice on food and nutrition research</p> <p><b>Dates:</b> March 2018</p> <p>(NB this Board was dissolved after 1 meeting and will be replaced by the Nestle R&amp;D Scientific Advisory Board. Its first meeting will be later in 2018. All other details remain the same)</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Nestle R&D	<p><b>Nature of interest:</b> Member of Nestle R&amp;D Scientific Advisory Board</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed and honorarium paid). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Expert advice on food and nutrition research</p> <p><b>Dates:</b> November 2018 to present</p>		
	Nestle Science and Technology Advisory Council (STAC)	<p><b>Nature of interest:</b> Member of Nestle STAC</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed and honorarium paid). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Expert advice on food and nutrition research</p> <p><b>Dates:</b> November 2019 onwards</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Wilmington Health Care	<p><b>Nature of Interest:</b> Chairing Regional Transformation and Sustainability Network meetings about Prevention of Diabetes and Management of Diabetes Mellitus in the English NHS Regions.</p> <p><b>Financial:</b> Yes (travel costs and an honorarium received) <i>Amount received per annum over £5000:</i> No (although it might just exceed £5000 in the 2018/19 financial year)</p> <p><b>Subject matter:</b> Chairing the meetings, giving an initial overview of recent advances in diabetes prevention, obesity, or diabetes management, summarising at the end of the meeting</p> <p><b>Dates:</b> 2017 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Novozymes Scientific Advisory Board (SAB)</b>	<p><b>Nature of interest:</b> Member of SAB</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed. Honorarium paid to the University of Nottingham. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Expert advice on food, nutrition and health</p> <p><b>Dates:</b> October 2018 to present</p>		
	<b>Novozymes Science, Technology and Innovation Board (STIB)</b>	<p><b>Nature of interest:</b> Member of STIB</p> <p><b>Financial:</b> Yes (travel and subsistence costs reimbursed. Honorarium paid to the University of Nottingham. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Expert advice on food, nutrition and health</p> <p><b>Dates:</b> November 2019 onwards</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Harry McArdle	European Food Safety Authority	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> Yes (honoraria received, travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Member of Dietetic Products, Nutrition and Allergies Panel (NDA), and working groups on Health Claims, Novel Foods, and Dietary Reference Values</p> <p><b>Dates:</b> June 2015 to present</p>		
	European Food Safety Organisation	<p><b>Nature of interest:</b> Member, Nutrition Dietetics and Allergy Committee</p> <p><b>Financial:</b> Yes (honoraria received, travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Advising on Food Safety for European Commission</p> <p><b>Dates:</b> 2018-2021</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	JVL Consulting Belgium	<p><b>Nature of interest:</b> Training Co-ordinator</p> <p><b>Financial:</b> Yes (honoraria received, travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Providing training for 3rd Country government officials to facilitate applications for traditional or novel foods for the EU</p> <p><b>Dates:</b> TBC</p>		



<p><b>Dr David Mela</b></p>	<p><b>Unilever</b></p>	<p><b>Nature of interest:</b> Shareholder. Former employee (to June 2019) <b>Financial:</b> Yes – Shareholdings (and salary package up to June 2019). <i>Value of shares over £5,000:</i> Yes <b>Subject matter:</b> N/A <b>Dates:</b> 2005 to present</p>	<p><b>International Life Sciences Institute (ILSI) Europe</b></p>	<p><b>Nature of interest:</b> Unilever representative on Eating Behaviour &amp; Energy Balance Task Force (and Task Force Chair, 2013 to 2017), and Dietary Carbohydrates Task Force (Task Force Vice-Chair, 2014-2018)</p> <p>Member of ILSI Europe Expert Groups:</p> <ul style="list-style-type: none"> <li>• “Carbohydrate-Based Recommendations as a Basis for Dietary Guidelines: A Scientific Review” (Dates: 2015 to 2018)</li> <li>• “Characterisation of and Criteria for Glycaemic Exposure Markers in the Non-diabetic Population” (Dates: 2014 to 2018)</li> <li>• “Physiological and Behavioural Adaptation to Dietary Enhancement of Satiety: Evidence and Timeframes” (Dates: 2015 to 2018)</li> <li>• “Physical-Chemical Properties of Dietary Fibre Relevant to Appetite-Related Mechanisms and Outcomes” (Dates: 2014 to 2018)</li> </ul>
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	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
				<b>Financial:</b> No <b>Subject matter:</b> see above <b>Dates:</b> see above
	<b>UK Research and Innovation, Future Leaders Fellowships</b>	<b>Nature of interest:</b> Reviewer <b>Financial:</b> Yes (travel costs only). Amount received per annum over £5,000: No <b>Subject matter:</b> Research grant proposals <b>Dates:</b> 2019	<b>Unilever / University of Amsterdam</b>	<b>Nature of interest:</b> Member of project planning group for research collaboration between Unilever and the University of Amsterdam. <b>Financial:</b> No <b>Subject matter:</b> “Quantifying the impact of dietary approaches for the prevention of diabetes” <b>Dates:</b> 2015 to 2018
	<b>Joint Programming Initiative 'a Healthy Diet for a Healthy Life'</b>	<b>Nature of interest:</b> Reviewer <b>Financial:</b> Yes (travel costs only). Amount received per annum over £5,000: No <b>Subject matter:</b> Research grant proposals <b>Dates:</b> 2019		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Graduate School VLAG (Wageningen University and associated institutes)</b>	<p><b>Nature of interest:</b> Member of International Advisory Board</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Research and postgraduate education</p> <p><b>Dates:</b> 2016 to present</p>		
	<b>Research Excellence Framework (REF) 2021</b>	<p><b>Nature of interest:</b> Member of criteria and assessment phase of Main REF Panel A, 'Medicine, health and life sciences'</p> <p><b>Financial:</b> Yes (honorarium / travel costs). Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Assessment of research quality in UK higher education institutions</p> <p><b>Dates:</b> 2018 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>SWEET – a Research Consortium awarded an EU Horizon 2020 grant.</b>	<p><b>Nature of Interest:</b> Member of Science and Industry Advisory Board for the Research Programme</p> <p><b>Financial:</b> Travel and accommodation provided for attending Consortium meetings, no payments made to DJM</p> <p><b>Subject matter:</b> Sweeteners and sweetness enhancers: Impact on health, obesity, safety and sustainability</p> <p><b>Dates:</b> October 2018 to present</p>		
	<b>Nature Publishing Group</b>	<p><b>Nature of interest:</b> Editorial Board Member, International Journal of Obesity</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Reviewing papers and making recommendations to editors</p> <p><b>Dates:</b> 2019 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Danone	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes (fee received). <b>Amount received per annum over £5,000:</b> No</p> <p><b>Subject matter:</b> Sugars and sweeteners</p> <p><b>Dates:</b> August 2019</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Ken Ong	Soleno Therapeutics, Inc	<p><b>Nature of interest:</b> Research, Local Clinical Investigator</p> <p><b>Financial:</b> Yes</p> <p><i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Clinical trial in patients with Prader-Willi syndrome</p> <p><b>Dates:</b> 2019 to present</p>	Mead Johnson Nutrition	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding to the University of Cambridge). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Discovery of biomarkers for infant nutrition</p> <p><b>Dates:</b> 2009 to present</p>
	Pfizer Ltd	<p><b>Nature of interest:</b> Member, KIGS steering committee</p> <p><b>Financial:</b> Yes (honoraria received – paid to University of Cambridge, travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Use of the KIGS database to monitor growth hormone treatment</p> <p><b>Dates:</b> 2013 to 2018</p>	Biotechnology and Biological Sciences Research Council (BBSRC) with Danone Nutricia Research and Mead Johnson Nutrition as collaborating partners	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding to the University of Cambridge). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Biomarkers for infant nutrition</p> <p><b>Dates:</b> 2017 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Mrs Gemma Paramor	Veritas Investment Management LLP	<p><b>Nature of interest:</b> Employer</p> <p><b>Financial:</b> Yes (salary). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Equity research, may include companies with food-related business models</p> <p><b>Dates:</b> May 2016 to present</p>		
	Sainsbury Plc	<p><b>Nature of interest:</b> Spouse's employer</p> <p><b>Financial:</b> Yes (salary). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Senior head office finance role at supermarket chain</p> <p><b>Dates:</b> July 2016 to July 2019</p>		
	Whitbread Plc	<p><b>Nature of interest:</b> Spouse shareholding</p> <p><b>Financial:</b> Yes. <i>Value over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Hospitality</p> <p><b>Dates:</b> Jan 2016 to August 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Unilever	<p><b>Nature of interest:</b> Spouse shareholding</p> <p><b>Financial:</b> Yes. <i>Value over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Consumer goods</p> <p><b>Dates:</b> Jan 2016 to August 2018</p>		
	GlaxoSmithKline Plc	<p><b>Nature of interest:</b> Spouse shareholding</p> <p><b>Financial:</b> Yes. <i>Value over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Pharmaceuticals &amp; healthcare</p> <p><b>Dates:</b> Jan 2016 to August 2018</p>		
	Just Eat Plc	<p><b>Nature of interest:</b> Spouse shareholding</p> <p><b>Financial:</b> Yes. <i>Value over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Market place for online food delivery</p> <p><b>Dates:</b> March 2018 to August 2019</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<b>Professor Lucilla Poston</b>	<b>Medical Research Council</b>	<p><b>Nature of interest:</b> Member, Global Health Group</p> <p><b>Financial:</b> Yes (expenses), <i>Amount received per annum over £5,000. No</i></p> <p><b>Subject matter:</b> Global health including nutrition</p> <p><b>Dates:</b> 2015 to present</p>	<b>Nutricia Research BV (Danone)</b>	<p><b>Nature of interest:</b> PhD studentship support</p> <p><b>Financial:</b> Yes (research funding and PhD student support) <i>Amount received per annum over £5,000. No</i></p> <p><b>Subject matter:</b> Probiotic modulation of the microbiome in pregnancy and epigenetic effects on the offspring</p> <p><b>Dates:</b> 2016 to 2020</p>
	<b>National Institute for Health and Care Excellence (NICE)</b>	<p><b>Nature of interest:</b> Expert adviser for the NICE Centre for Guidelines (CfG)</p> <p><b>Financial:</b> Yes (expenses), <i>Amount received per annum over £5,000. No</i></p> <p><b>Subject matter:</b> Women's Health including nutrition</p> <p><b>Dates:</b> 2018 to 2021</p>	<b>Lancet 2018</b>	<p><b>Nature of interest:</b> Co-Author Lancet Series on Preconception</p> <p><b>Financial:</b> None</p> <p><b>Subject matter:</b> Preconception including Nutrition</p> <p><b>Dates:</b> 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>International Society for the Developmental Origins of Disease</b>	<p><b>Nature of interest:</b> President of Society</p> <p><b>Financial:</b> Yes (expenses), <i>Amount received per annum over £5,000.</i> No</p> <p><b>Subject matter:</b> promote research into the fetal and developmental origins of disease.</p> <p><b>Dates:</b> 2017 to present</p>	<b>Medical Research Council</b>	<p><b>Nature of interest:</b> Research Grant Co-Applicant</p> <p><b>Financial:</b> Yes (research funding) <i>Amount received per annum over £5,000.</i> Yes</p> <p><b>Subject matter:</b> Creating an open access knowledge hub of nutritional biomarkers for use in global health settings</p> <p><b>Dates:</b> 2018-2020</p>
	<b>International Life Sciences Institute: Obesity and Diabetes and Early Nutrition &amp; Long-Term Health Task Forces. Expert group; gestational diabetes.</b>	<p><b>Nature of interest:</b> Member of group</p> <p><b>Financial:</b> Yes (expenses), <i>Amount received per annum over £5,000.</i> No</p> <p><b>Subject matter:</b> Nutrition in women with gestational diabetes</p> <p><b>Dates:</b> 2017 to present</p>	<b>British Heart Foundation</b>	<p><b>Nature of interest:</b> Research Grant PI</p> <p><b>Financial:</b> Yes (research funding) <i>Amount received per annum over £5,000.</i> Yes.</p> <p><b>Subject matter:</b> The influence of a complex intervention of diet and physical activity in obese pregnant women of the cardiometabolic phenotype of 3-year-old children; analysis of the UPBEAT trial.</p> <p><b>Dates:</b> 2017 to 2020.</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Early Nutrition Academy</b>	<p><b>Nature of interest:</b> member of Early Nutrition Academy executive</p> <p><b>Financial:</b> None</p> <p><b>Subject matter</b> On line educational programme for nutrition in early life (including pregnancy)</p> <p><b>Dates:</b> 2015 to present</p>	<b>Diabetes UK</b>	<p><b>Nature of interest:</b> Research Grant co-applicant</p> <p><b>Financial:</b> Yes (research funding) <i>Amount received per annum over £5,000. Yes</i></p> <p><b>Subject matter:</b> Gestational Diabetes, the epigenome and the health of the next generation.</p> <p><b>Dates:</b> 2017 to 2020</p>
			<b>Roche Diagnostics</b>	<p><b>Nature of interest:</b> Provision of research samples for diagnostics analysis</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000. Yes</i></p> <p><b>Subject matter:</b> Gestational Diabetes</p> <p><b>Dates:</b> 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Dexcom</b>	<p><b>Nature of interest:</b> Agreement for provision of glucose monitors</p> <p><b>Financial:</b> No (in kind agreement) <i>Amount received per annum over £5,000. No</i></p> <p><b>Subject matter:</b> Gestational Diabetes</p> <p><b>Dates:</b> 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Hilary Powers	World Cancer Research Fund (WCRF)	<p><b>Nature of interest:</b> Deputy chair WCRF Continuous Update Panel</p> <p><b>Financial:</b> Yes (honoraria received, travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> diet and cancer</p> <p><b>Dates:</b> 2012 to 2019</p>		
	Hugh Sinclair Trust Committee, University of Reading	<p><b>Nature of interest:</b> External Expert Advisor</p> <p><b>Financial:</b> None</p> <p><b>Subject matter:</b></p> <p><b>Dates:</b> 2018 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Oxford University Press	<p><b>Nature of interest:</b> Book editor of new edition of 'Human Nutrition'</p> <p><b>Financial:</b> Yes (royalties) <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Human Nutrition</p> <p><b>Dates:</b> 2019 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<p><b>Professor Ann Prentice</b> (As Director of Medical Research Council Elsie Widdowson Laboratory (EWL) to Dec 2018, Prof Prentice had administrative responsibility for institutional interests that are not covered by personal or non-personal interests)</p>	<p><b>Shenyang Medical College, People' Republic of China</b></p>	<p><b>Nature of Interest:</b> Appointment of Honorary Professor  <b>Financial:</b> None  <b>Subject Matter:</b> N/A  <b>Dates:</b> 1995 to present</p>	<p><b>Public Health England</b></p>	<p><b>Nature of interest:</b> Research  <b>Financial:</b> Yes (research funding to EWL). <i>Amount received per annum over £5,000:</i> Yes  <b>Subject matter:</b> National Diet and Nutrition Survey Y5-Y10  <b>Dates:</b> 2012 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	University of Witwatersrand, South Africa	<p><b>Nature of interest:</b> Appointment of Honorary Professor</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2013 to present</p>	Agilent	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes, grant to purchase equipment at EWL, travel reimbursement. <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Mass spectrometry equipment</p> <p><b>Dates:</b> 2015 to 2018</p>
	University of Surrey	<p><b>Nature of interest:</b> Appointment of Honorary Doctor</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2014 to present</p>	Institut d'Investigacio Sanitaria Pere Virgili	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding to EWL). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> OBEMAT2 Clinical and metabolic efficacy of motivational approach, coordinated between primary care and the clinical health services for childhood obesity: Randomized Clinical Trial (stable isotope measures)</p> <p><b>Dates:</b> 2017 to 2018</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Rank Prize Funds</b>	<p><b>Nature of interest:</b> Committee member</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Grant awards</p> <p><b>Dates:</b> 2015 to present</p>	<b>Ministry of Defence</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding to EWL). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Stable isotope measures</p> <p><b>Dates:</b> 2017 to 2018</p>
	<b>Nestle Foundation</b>	<p><b>Nature of interest:</b> Council Member</p> <p><b>Financial:</b> Yes (honoraria received, travel expenses reimbursed). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Grant awards</p> <p><b>Dates:</b> 2015 to present</p>	<b>Umea University Sweden</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding to EWL). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> OTIS – complementary feeding study in infants (Stable isotope measures)</p> <p><b>Dates:</b> 2016 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	University of Southampton	<p><b>Nature of interest:</b> Honorary appointment of Visiting Professor</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2015 to present</p>		
	National Academies of Science, Engineering and Medicine, Food and Nutrition Board	<p><b>Nature of interest:</b> Member of Planning Committee for Harmonization of Methodological Approaches to Nutrient Intake Recommendations</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Planning Committee for Workshop on Harmonization of Methodological Approaches to Nutrient Intake Recommendations</p> <p><b>Dates:</b> March 2017 to 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	University of Cambridge	<p><b>Nature of interest:</b> Appointment of Honorary Professor</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2017 to present</p>		
	Public Health England (PHE)	<p><b>Nature of interest:</b> Member of Advisory Committee to the consortium contracted to PHE</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> National Diet and Nutrition Survey Y11-14</p> <p><b>Dates:</b> 2018-present</p>		
	Medical Research Council; The Gambia Unit at the London School of Hygiene and Tropical Medicine	<p><b>Nature of interest:</b> Honorary Senior Research Fellow</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Research in The Gambia</p> <p><b>Dates:</b> 2018-present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Academy of Nutrition Sciences	<p><b>Nature of interest:</b> Member of Working Group on Evidence Based Nutrition</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Evidence gathering on nutrition guidelines</p> <p><b>Dates:</b> 2019-present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Angus Walls	GlaxoSmithKline	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes (honoraria received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Oral healthcare for older people</p> <p><b>Dates:</b> 2014 to present</p>	GlaxoSmithKline	<p><b>Nature of interest:</b> Biotechnology and Biological Sciences Research Council CASE studentship sponsored by GlaxoSmithKline</p> <p><b>Financial:</b> Yes (student funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Barriers to achieving a high standard of personal oral health care</p> <p><b>Dates:</b> 2016 to 2019</p>
	Oral and Dental Research Trust	<p><b>Nature of interest:</b> Director and Chair</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Charity that funds oral and dental research</p> <p><b>Dates:</b> 2013 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Research Excellence Framework 2021</b>	<b>Nature of interest:</b> Member of criteria and assessment phase of sub-panel 3 for 'Allied Health Professions, Dentistry, Nursing and Pharmacy' <b>Financial:</b> Yes (honoraria received / travel and subsistence reimbursed). Amount received per annum over £5,000: No <b>Subject matter:</b> assessment of research quality in UK higher education institutions <b>Dates:</b> March 2018 to December 2021		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Sian Robinson	First Steps Nutrition Trust	<p><b>Nature of interest:</b> Trustee</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Maternal and child nutrition</p> <p><b>Dates:</b> 2015 to August 2018</p>	None	N/A
	Biotechnology and Biological Sciences Research Council	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> Yes (honoraria received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Grant awards</p> <p><b>Dates:</b> 2016 to present</p>		
	Springer Nature	<p><b>Nature of interest:</b> Deputy Editor of Nutrition Journal</p> <p><b>Financial:</b> Yes (honoraria received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Editorial role</p> <p><b>Dates:</b> 2017 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Oxford University Press	<p><b>Nature of interest:</b> Associate Editor of Age and Ageing</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial role</p> <p><b>Dates:</b> 2019 to present</p>		
Dr Stella Walsh	National Federation of Consumers	<p><b>Nature of interest:</b> Consumer member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Member of food network, responses made to government consultations on food issue</p> <p><b>Dates:</b> 1980 to present</p>	None	N/A
	The Ancient Barwick-in-Elmet Trust	<p><b>Nature of interest:</b> Trustee</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> charity which provides fund for disadvantaged people in the Trust area</p> <p><b>Dates:</b> 2017 to present</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Charlotte Wright	United Nations Children's Fund (UNICEF)	<p><b>Nature of interest:</b> Chair of UNICEF UK group to establish learning objectives on breastfeeding and infant feeding</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> To establish learning objectives on breastfeeding and infant feeding in the first year of life for medical students and junior doctors.</p> <p><b>Dates:</b> 2017 to present</p>	Glasgow Children's Hospital Charity / Scottish Government	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5000:</i> Yes</p> <p><b>Subject matter:</b> Investigation of The Incidence, Demographics And Nutritional Profile Of Childhood Vitamin D Deficiency In Greater Glasgow And Clyde</p> <p><b>Dates:</b> May 2018-April 2021</p>
	Centre for Disease Control, Washington,	<p><b>Nature of interest:</b> Participation in invited workshop</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Extreme body mass index Z scores</p> <p><b>Dates:</b> 21 and 22 February 2018</p>	Global Challenges Research Fund (GCRF)	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (post-doctoral position funding). <i>Amount received per annum over £5000:</i> Yes</p> <p><b>Subject matter:</b> Research on undernutrition in Kenya</p> <p><b>Dates:</b> 2018 to 2019</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Scottish Funding Council	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Developing a valid and feasible assessment tool for use in an adaptive intervention for moderate acute malnutrition</p> <p><b>Dates:</b> Oct 2018 – March 2019</p>		
	Yorkhill Children's Charity	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> The role of weight gain in the identification of under and over nutrition: compiling a longitudinal growth dataset</p> <p><b>Dates:</b> January 2014 – July 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Norwegian Paediatric Association	<p><b>Nature of interest:</b> Talk at Annual Meeting</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Complementary feeding and tube weaning</p> <p><b>Dates:</b> June 2018</p>		
	Hong Kong Government Health and Medical Research Fund	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Commissioned Study on Review of Growth Charts for Hong Kong Children</p> <p><b>Dates:</b> Feb 2019 – Jan 2023</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Hong Kong University Grants Committee	<p><b>Nature of interest:</b> Panel member</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Health Sciences Panel for the Hong Kong Research Assessment Exercise 2020</p> <p><b>Dates:</b> 2020</p>		
	National Institute for Health and Care Excellence (NICE)	<p><b>Nature of interest:</b> Quality Standard Committee</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed by NICE). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Quality standard committee on faltering growth</p> <p><b>Dates:</b> July 2019 – June 2020</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Ian Young	American Association for Clinical Chemistry	<p><b>Nature of interest:</b> Guest editor for special issue of Clinical Chemistry</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editing of a special issue on obesity, including its relationship with dietary fats intake</p> <p><b>Dates:</b> March 2017 to January 2018</p>	None	N/A
	Amgen	<p><b>Nature of interest:</b> Educational talk to primary care</p> <p><b>Financial:</b> Yes (honoraria received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Clinical management of lipid disorders</p> <p><b>Dates:</b> 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Akcea Therapeutics</b>	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes (honoraria received). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Familial Chylomicronaemia Syndrome</p> <p><b>Dates:</b> 2018</p>		

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

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Annie Anderson	Bowel Cancer UK	<p><b>Nature of interest:</b> Member, advisory board</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Bowel cancer</p> <p><b>Dates:</b> 2006 to present</p>	EU Framework 6	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Social innovation to improve physical activity and sedentary behaviour through elite European Football Clubs</p> <p><b>Dates:</b> 2013 to 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Scottish Cancer Foundation</b>	<p><b>Nature of interest:</b> Member, Board of Directors</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Cancer</p> <p><b>Dates:</b> 2006 to present</p>	<b>National Institute for Health Research</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> A woman-centred, tailored SMS (short message service)-delivered multi-component intervention for weight loss and maintenance of weight loss in the postpartum period: intervention adaptation and pilot</p> <p><b>Dates:</b> 2016-2018</p>
	<b>Scottish Cancer Prevention Network</b>	<p><b>Nature of interest:</b> Co-director</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Cancer prevention</p> <p><b>Dates:</b> 2009 to present</p>	<b>NHS Health Scotland Public Health Sciences</b>	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Healthy Retail Standard Evaluation</p> <p><b>Dates:</b> 2016-2018</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Breast Cancer Now (Scotland)</b>	<b>Nature of interest:</b> Breast cancer NOW policy advisor <b>Financial:</b> No <b>Subject matter:</b> Breast cancer <b>Dates:</b> 2012 to present	<b>Medical Research Council</b>	<b>Nature of interest:</b> Research grant <b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Exploring the Teachable Moment for Alcohol Reduction in Breast Clinics: Formative Work to Inform Intervention Design, Development, Process Evaluation <b>Dates:</b> 2016 - 2018

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>First Steps Nutrition Trust</b>	<b>Nature of interest:</b> Patron <b>Financial:</b> No <b>Subject matter:</b> Maternal and child nutrition <b>Dates:</b> 2015 to present	<b>Scottish Government</b>	<b>Nature of interest:</b> Research grant <b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> A randomised controlled trial to assess the impact of a lifestyle intervention (ActWell) in women attending NHS breast screening clinics <b>Dates:</b> 2017-2019
	<b>Scottish Government</b>	<b>Nature of interest:</b> Advisor <b>Financial:</b> No <b>Subject matter:</b> Review of infant feeding survey <b>Dates:</b> 2015 to present	<b>Evelyn Ferris Mudie Trust</b>	<b>Nature of interest:</b> Research grant <b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes <b>Subject matter:</b> Cancer Prevention - Engaging Older Men <b>Dates:</b> 2018-2019

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Health Services and Population Health Committee, Scottish Government	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> Yes (travel reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Population health</p> <p><b>Dates:</b> 2015 to present</p>	Scottish Government	<p><b>Nature of interest:</b> Research grant</p> <p><b>Financial:</b> Yes (research funding received). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Feasibility testing of the BeWEL intervention in a non-research environment</p> <p><b>Dates:</b> 2018-2019</p>
	Nutrition & Dietetics (Dieticians Association of Australia)	<p><b>Nature of interest:</b> Editorial Board member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial</p> <p><b>Dates:</b> 2014 to present</p>		
	Health Promotion Journal of Australia	<p><b>Nature of interest:</b> Editorial Board member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial</p> <p><b>Dates:</b> 2013 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Journal of Behaviour, Nutrition and Physical Activity	<p><b>Nature of interest:</b> Editorial Board member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial</p> <p><b>Dates:</b> 2007 to present</p>		
	Journal of Human Nutrition and Dietetics	<p><b>Nature of interest:</b> Editorial Board member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Editorial</p> <p><b>Dates:</b> 1992 to present</p>		
	World Cancer Research Fund	<p><b>Nature of interest:</b> Chair International Grant Panel; Chair scientific awards committee</p> <p><b>Financial:</b> Yes (travel expenses) <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Diet, physical activity, alcohol, obesity and cancer</p> <p><b>Dates:</b> 2017-2018; 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>World Health Organisation International Agency for Research on cancer (Lyon)</b>	<p><b>Nature of interest:</b> Member of Working Group; Member (Chair of subgroup); Member Advisory Group; Contributor (book chapter)</p> <p><b>Financial:</b> Yes (travel expenses) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Cancer Prevention Handbook Body Fatness; Diet, obesity alcohol, physical activity European Code Against Cancer review panel; Evaluation of the impact of the European Code Against Cancer; World Cancer Report – changing diet and physical activity</p> <p><b>Dates:</b> 2013-2014, 2015-2016, 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Medical Research Charities Group/ Health Research Board</b>	<b>Nature of interest:</b> Group Member; Chair of Grants Committee <b>Financial:</b> Yes (travel expenses) Amount received per annum over £5,000: No <b>Subject matter:</b> Medical Research Charities Group <b>Dates:</b> 2016; 2018		
	<b>UK Society for Behavioural Medicine</b>	<b>Nature of interest:</b> President Elect (Vice President) <b>Financial:</b> Yes (travel expenses) Amount received per annum over £5,000: No <b>Subject matter:</b> <b>Dates:</b> 2017-present		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>UK Nutrition Research Partnership for health and disease</b>	<p><b>Nature of interest:</b> Review Panel</p> <p><b>Financial:</b> Yes (travel expenses) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Collaborative Awards Expert Review Panel (Medical Research Council)</p> <p><b>Dates:</b> 2018-2019</p>		
	<b>International Journal of Behavioral Nutrition and Physical Activity</b>	<p><b>Nature of interest:</b> Publication</p> <p><b>Financial:</b> No (travel expenses) Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Long-term weight loss trajectories following participation in a randomised controlled trial of a weight management programme for men delivered through professional football clubs: a longitudinal cohort study and economic evaluation</p> <p><b>Dates:</b> 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	BMJ Open	<p><b>Nature of interest:</b> Publication</p> <p><b>Financial:</b> No (travel expenses)</p> <p>Amount received per annum over £5,000: No</p> <p><b>Subject matter:</b> Randomised controlled trial to assess the impact of a lifestyle intervention (ActWELL) in women invited to NHS breast screening</p> <p><b>Dates:</b> 2018</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Alan Jackson	Association for Nutrition	<p><b>Nature of interest:</b> President/Chair/Trustee</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Professional regulator</p> <p><b>Dates:</b> 2015 to present</p>	Gilead Sciences Ltd	<p><b>Nature of interest:</b> Son in employment</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> On-going</p>
	World Health Organization	<p><b>Nature of interest:</b> Nutrition Topic Advisory Group: Chair of guideline development group</p> <p><b>Financial:</b> Yes (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Obesity in childhood and adolescence</p> <p><b>Dates:</b> 2015 to present</p>		
	Hugh Sinclair Trust, Reading University	<p><b>Nature of interest:</b> Member of Trust Advisory Board</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> N/A</p> <p><b>Dates:</b> 2015 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>International Malnutrition Task Force</b>	<b>Nature of interest:</b> Chair <b>Financial:</b> No <b>Subject matter:</b> Malnutrition <b>Dates:</b> 2015 to present		
	<b>BerGenBio ASA</b>	<b>Nature of interest:</b> Son, Dr Akil Jackson <b>Financial:</b> No <b>Subject matter:</b> Medical Director <b>Dates:</b> 2018 to present		
	<b>World Cancer Research Fund International</b>	<b>Nature of interest:</b> Chair <b>Financial:</b> Yes (Honorarium). <i>Amount received per annum over £5,000:</i> No <b>Subject matter:</b> Chair of Continuous Update Committee <b>Dates:</b> 2008 to present		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Union of Nutritional Sciences	<p><b>Nature of interest:</b> Convenor of International Malnutrition Task Force</p> <p><b>Financial:</b> No (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Malnutrition</p> <p><b>Dates:</b> 2006 to present</p>		
	International Union of Nutritional Sciences	<p><b>Nature of interest:</b> Chair of International Task Force on Cancer and Nutrition</p> <p><b>Financial:</b> No (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Cancer and Nutrition</p> <p><b>Dates:</b> 2018 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	University of the West Indies	<p><b>Nature of interest:</b> Scientific Advisor to Caribbean Institute for Health Research</p> <p><b>Financial:</b> No (travel and subsistence reimbursed). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Scientific Advisor to Caribbean Institute for Health Research</p> <p><b>Dates:</b> 2013 to present</p>		

## SACN Saturated Fats Working Group

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Jules Griffin	GlaxoSmithKline	<p><b>Nature of interest:</b> Share holder</p> <p><b>Financial:</b> Yes (PhD student funding/research funding paid to University). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b></p> <p><b>Dates:</b> June 2000 to present</p>	GlaxoSmithKline	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (PhD student funding/research funding paid to University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Hypoxia and mitochondrial toxicity</p> <p><b>Dates:</b> March 2017 to present</p>
			Medical Research Council	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (Programme grant funding to the University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Understanding how diet interacts with the metabolic syndrome using metabolomics and lipidomics</p> <p><b>Dates:</b> March 2013 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Unilever</b>	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (PhD student funding/research funding paid to University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> The interaction between saturated fat and endoplasmic reticulum stress in myocytes</p> <p><b>Dates:</b> Oct 2017 to present</p>
			<b>Medimmune</b>	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (PhD student funding/research funding paid to University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Turning on mitochondrial metabolism in white adipose tissue</p> <p><b>Dates:</b> Oct 2017 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>AstraZeneca</b>	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (PhD student funding/research funding paid to University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Studying in vivo metabolism using Nuclear Magnetic Resonance spectroscopy</p> <p><b>Dates:</b> Oct 2017 to present</p>
			<b>European Union</b>	<p><b>Nature of interest:</b> Grant funding</p> <p><b>Financial:</b> Yes (Research funding paid to University). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Horizon 2020 project: GOLIATH. Understanding the interaction between endocrine disruptors and the metabolic syndrome.</p> <p><b>Dates:</b> Jan 2019 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Timothy Key	Vegetarian Society	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> None</p> <p><b>Dates:</b> 1977 to June 2018</p>	Wellcome Trust	<p><b>Nature of interest:</b> Research project grant</p> <p><b>Financial:</b> Yes (research funding to the University of Oxford). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Epidemiological studies of meat, dairy products and health</p> <p><b>Dates:</b> June 2017 to present</p>
	Vegan Society	<p><b>Nature of interest:</b> Member</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> None</p> <p><b>Dates:</b> 1977 to June 2018</p>		



## Joint Working Group on lower carbohydrate diets for type 2 diabetes

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Pamela Dyson	Diabetes UK	<p><b>Nature of interest:</b> Co-chair of nutrition working group</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Revising and updating dietary guidelines for management of diabetes</p> <p><b>Dates:</b> 2015 to present</p>	None	N/A
	Oxford Health Alliance	<p><b>Nature of interest:</b> Voluntary Chief Executive Officer of registered charity</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Preventing non-communicable disease</p> <p><b>Dates:</b> 2010 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Medicine Matter Diabetes	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Producing dietary guidelines for management of diabetes for GPs education programme</p> <p><b>Dates:</b> 2017 to present</p>		
	John Wiley	<p><b>Nature of interest:</b> Editorial board fee for Practical Diabetes/writing and editing book/writing commissioned articles</p> <p><b>Financial:</b> Yes (honoraria and expenses). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary management of diabetes</p> <p><b>Dates:</b> 2014 to date</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Oxford University Press	<p><b>Nature of interest:</b> Royalties for book</p> <p><b>Financial:</b> Yes (royalties). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary management of diabetes</p> <p><b>Dates:</b> 2014 to date</p>		
	Diabetes UK	<p><b>Nature of interest:</b> Member of the Council of Healthcare Professionals</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Informing the work of Diabetes UK and providing dietary expertise</p> <p><b>Dates:</b> 2019 to present</p>		
	NB Medical	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Filmed webinar of dietary guidelines for diabetes for use in GP update education courses</p> <p><b>Dates:</b> 2017 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<b>Professor Nita Forouhi</b>	<b>International Life Sciences Institute-Europe</b>	<p><b>Nature of interest:</b> Unpaid, invited member of expert group on systematic review on 'Update on health effects of different dietary saturated fats'. No physical meetings or travel.</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> developed a protocol for the systematic review of different dietary saturated fats and risk factors for cardiometabolic health</p> <p><b>Date:</b> March 2017 to June 2019</p>	<b>Medical Research Council Epidemiology Unit</b>	<p><b>Nature of interest:</b> Core funding for programme of research in nutritional epidemiology</p> <p><b>Financial:</b> Yes (Research funding; PhD student funding). <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> understanding the links between diet and health; using dietary assessment methods with greater precision, including use of objective biomarkers of nutrition, understanding causality and gene-diet interactions.</p> <p><b>Dates:</b> 2010 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Science Media Centre</b>	<p><b>Nature of interest:</b> Member of expert group for science comments</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Science communication</p> <p><b>Dates:</b> 2015 to present</p>	<b>National Institute for Health Research (Cambridge) Biomedical Research Centre</b>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to Medical Research Council Epidemiology Unit, University of Cambridge) <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Diet related research</p> <p><b>Dates:</b> 2017-Present</p>
	<b>Public Health Genomic Foundation (University of Cambridge)</b>	<p><b>Nature of interest:</b> Member of the Board of Trustees</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Duties as Board of Trustees include oversight of governance structures, including financial and ethical issues</p> <p><b>Dates:</b> 2017 to present</p>	<b>Public Health England</b>	<p><b>Nature of interest:</b> Honorary Consultant Public Health Physician</p> <p><b>Financial:</b> No. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Honorary role</p> <p><b>Dates:</b> 2013 to present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>Diabetic Medicine - Journal</b>	<p><b>Nature of interest:</b> Associate Editor of journal</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> review of and advice on scientific articles submitted to the journal</p> <p><b>Dates:</b> 2013 to present</p>	<p><b>European Commission (EC) Frameworks 6 and 7 grants and Horizon 2020 Individual Fellowship grant for a Postdoc Fellow</b></p>	<p><b>Nature of interest:</b> Research</p> <p><b>Financial:</b> Yes (to Medical Research Council Epidemiology Unit, University of Cambridge) <i>Amount received per annum over £5,000:</i> Yes</p> <p><b>Subject matter:</b> Diet related research</p> <p><b>Dates:</b> 2006-2018 across the different research grants</p>
	<b>Diabetes UK</b>	<p><b>Nature of interest:</b> Expert adviser to Diabetes UK dietary guidelines and position statements</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Expert adviser on guidelines and position statements</p> <p><b>Dates:</b> 2016 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	British Medical Journal (BMJ)	<p><b>Nature of interest:</b> Series co-lead for 12 articles for the BMJ. The publication (open access) and launch of these articles is sponsored for the BMJ by Swiss Re.</p> <p><b>Financial:</b> No for BMJ series co-lead role. Yes for travel/accommodation for 2 days for series launch meeting. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> critical review of the science and politics of food and health. Co-lead of series, and lead author of 2 papers (dietary fats; dietary management of diabetes)</p> <p><b>Dates:</b> 2017 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>National Institute for Health and Care Excellence (NICE)</b>	<p><b>Nature of interest:</b> Expert adviser for the NICE Centre for Guidelines</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> Expert adviser on updating guidelines, participation in committees as a topic specialist member, performing peer reviews.</p> <p><b>Dates:</b> 2017 to 2020</p>		
	<b>BBC TV</b>	<p><b>Nature of interest:</b> interview broadcast on BBC2 ‘Trust me I’m a Doctor’</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> I co-led a randomised trial comparing different types of fats and oils and cardiovascular risk, which was covered by the BBC.</p> <p><b>Dates:</b> 2017 to 2018</p>		



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	International Congress on Diabetes and Metabolism, Korean Diabetes Association	<p><b>Nature of Interest:</b> Invited speaker in session on lifestyle and environmental factors</p> <p><b>Financial:</b> Yes (honorarium for travel). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Dietary factors in diabetes.</p> <p><b>Dates:</b> 2018</p>		
	Youth Leadership Forum, Knowva Academy meeting (Cambridge)	<p><b>Nature of Interest:</b> Invited keynote speaker</p> <p><b>Financial:</b> Yes (small honorarium to research account). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Food for health</p> <p><b>Dates:</b> August 2019</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	European Congress of Cardiology, Paris	<p><b>Nature of Interest:</b> Invited speaker in session on food and cardiovascular health</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Low-carbohydrate diets and cardiovascular disease</p> <p><b>Dates:</b> September 2019</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Dr Rachel Pryke	Primary Care Obesity Training Ltd	<p><b>Nature of interest:</b> Own limited company through which I run obesity training courses and develop training resources</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Obesity education</p> <p><b>Dates:</b> 2016 to present</p>		
	National Institute for Health and Care Excellence (NICE) Fellowship 2015-2018	<p><b>Nature of interest:</b> Fellowship - ambassadorial role for NICE focusing on obesity and nutrition</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Representative role relating to obesity, nutrition and liver disease.</p> <p><b>Dates:</b> 2015 to end March 2018</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	<b>SCOPE/World Obesity</b>	<p><b>Nature of interest:</b> Clinical Care Committee member</p> <p><b>Financial:</b> No. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Educational projects and e-learning development on obesity</p> <p><b>Dates:</b> 2017 to present</p>		
	<b>Public Health England</b>	<p><b>Nature of interest:</b> National Child Measurement Programme Reference Group member (GP representative)</p> <p><b>Financial:</b> Yes (travel expenses for meeting attendance). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Discussions on childhood obesity strategies and initiatives</p> <p><b>Dates:</b> 2014 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Professor Roy Taylor	ADIT Conferences Board	<p><b>Nature of interest:</b> Lectures on the pathophysiology of type 2 diabetes</p> <p><b>Financial:</b> Yes (expenses). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Pathophysiology and clinical information</p> <p><b>Dates:</b> 2017 to present</p>	Diabetes UK	<p><b>Nature of interest:</b> Co-Chief Investigator, Research Grant: Diabetes Remission Clinical Trial.</p> <p><b>Financial:</b> Yes (awarded to Newcastle University). <i>Amount received per annum over £5,000:</i> Yes (£2.4 million total)</p> <p><b>Subject matter:</b> This involves study of the effectiveness and underlying mechanisms of reversal of type 2 diabetes by dietary means.</p> <p><b>Dates:</b> 2014-present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Lilly	<p><b>Nature of interest:</b> Lectures on the nature of type 2 diabetes and chairing educational meetings</p> <p><b>Financial:</b> Yes (expenses). <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> Academic and clinical information on type 2 diabetes</p> <p><b>Dates:</b> 2015 to present</p>	Diabetes UK	<p><b>Nature of interest:</b> Chief Investigator, Research Grant: Reversal of Type 2 Diabetes Upon Return to Normal Eating in Non-obese people (ReTUNE).</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> Yes £500,000 total awarded to Newcastle University</p> <p><b>Subject matter:</b> This involves study of the personal fat threshold during reversal of type 2 diabetes in non-obese people by calorie restriction.</p> <p><b>Dates:</b> January 2018-present</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
	Diabetes UK	<p><b>Nature of interest:</b> Chair of Trial Steering Group for the Diabetes UK funding trial: ‘Gestational weight gain, gestational diabetes and pregnancy outcomes. A multi-site randomised controlled interventional study’.</p> <p><b>Financial:</b> No.</p> <p><b>Subject matter:</b> evaluation of calorie restriction in pregnancy.</p> <p><b>Dates:</b> August 2018 to present</p>		

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
Mr Douglas Twenefour	24 Health Limited	<p><b>Nature of interest:</b> Director</p> <p><b>Financial:</b> Yes. <i>Amount received per annum over £5,000:</i> No</p> <p><b>Subject matter:</b> A digital start-up offering health information to people from African background</p> <p><b>Dates:</b> 2019 to present</p>	Diabetes UK (Current Employer)	<p>Permanent working contract with Diabetes UK as Deputy Head of Care. Diabetes UK has corporate partnerships with various companies listed here <a href="https://www.diabetes.org.uk/Get_involved/Corporate/Acknowledgements/">https://www.diabetes.org.uk/Get_involved/Corporate/Acknowledgements/</a></p>
			Diabetes UK (Current Employer)	<p><b>Nature of interest:</b> Co-chair of nutrition working group</p> <p><b>Financial:</b> No</p> <p><b>Subject matter:</b> Revising and updating dietary guidelines for management of diabetes</p> <p><b>Dates:</b> 2015 to present</p>



	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
			<b>Bayer AG</b>	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes. Travel and honorarium paid to Diabetes UK. Amount received per annum over £5,000: No.</p> <p><b>Subject matter:</b> Round table meeting of a Vascular Protection Initiative Patient Advisory Board.</p> <p><b>Dates:</b> March 2018</p>
			<b>Bayer AG</b>	<p><b>Nature of interest:</b> Consultancy</p> <p><b>Financial:</b> Yes. Travel and honorarium paid to Diabetes UK. Amount received per annum over £5,000: No.</p> <p><b>Subject matter:</b> Round table meeting of a Vascular Protection Initiative Patient Advisory Board.</p> <p><b>Dates:</b> October 2018</p>

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
<b>Ms Ruth Waxman</b>	none	n/a	none	n/a

## Working Group on Nutrition and Maternal Health

	PERSONAL INTERESTS		NON-PERSONAL INTERESTS	
Member	Organisation	Details	Organisation	Details
All working group members are SACN or SMCN members.				