CURRICULUM VITAE

PERSONAL DETAILS

Name: John K Lodge
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Position: Reader in Metabolic Nutrition
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CHRONOLOGICAL SUMMARY OF CAREER AND QUALIFICATIONS

1986-1989	Bsc(Hons) Biological Sciences, The Polytechnic Wolverhampton
1989-1993	PhD Biological Chemistry, Birkbeck College, University of London
1994-1996	Postdoctoral Research Fellow: Birkbeck College, University of London
1996-1998	Postdoctoral Research Fellow: University of California at Berkeley, Berkeley, USA
1998-1999	Research Associate: German Institute for Human Nutrition (DIfE), Germany
1999-2000	Faculty Research Associate: Linus Pauling Institute, Oregon State University, USA
2000-2008	Lecturer in Nutritional Biochemistry: University of Surrey
2006	Progression onto HRZ due to increased managerial responsibilities
2009-2011	Senior Lecturer in Human Nutrition: Cranfield University
2011-current	Reader in Metabolic Nutrition: Northumbria University

CURRENT PROFILE

- Head of the Food and Nutrition Research Group.
- Secured >£1.4 million in research funding as PI and Co-I at Northumbria: total research income to date of >£2.3 million
- Led a successful equipment bid as part of the ADP for a dedicated metabolomics system (£238k) and led development of a 'Multi-Omics Innovation Laboratory' to showcase –omic research.
- Implemented innovative state-of-the-art metabolomics technology; developed successful collaborations within research centre and other research centres across Faculty.
- Mentor for research staff in the FNRG.
- Line manager for two PDRA, supervisor of one PDRA and one RA. Co-supervisor of one PDRA and two PhD students.
- Range of internal academic citizenship roles
- Range of external impact and academic roles

STRATEGIC OVERVIEW

- Exploit –omic technologies in the area of food security and human nutrition as Northumbria are well placed with current expertise and technology
- Develop and lead research at the interface between food science and human nutrition as Northumbria are one of the few food and nutrition research groups in the UK that offer this potential
- Increase multi-disciplinary research into nutrition with colleagues in the Faculty as Northumbria has several successful research interests involving nutritional studies
- Increase REFable outputs and research income from RCUK and industry

RESEARCH ACTIVITIES

PRESENT RESEARCH INTERESTS

- Metabolomics
  - Development of LC/MS-based metabolomics for human nutritional studies
  - Development of biomarkers of dietary exposure (nutrients and whole diets) using metabolite profiling
  - Influence of diet and disease on metabolite profiles of biological fluids
- Food security
  - Food spoilage and nutritional value
  - Impact of consumer practices on fresh produce bioactives
  - Impact of fresh produce metabolome on the human metabolome
- Nutritional and biochemical aspects of antioxidant micronutrients
  - Biokinetics and metabolism of antioxidants using stable-isotopes in humans
  - Physiological factors influencing vitamin E bioavailability

- Dietary strategies to improve health
    - Influence of whole grains and their constituents on markers of CVD risk at the whole body and cellular level
    - Fruit & vegetables and their constituents and cardiovascular disease

TECHNICAL EXPERTISE

- Metabolomics including LC/MS analysis
- Metabolite profiling
- Use of stable-isotopes for investigating nutrient status in humans
- Assessment of antioxidant and oxidative stress status in vitro and in vivo
- Mass spectroscopy analysis and method development
- Design and co-ordination of dietary intervention trials
- End-points associated with cardiovascular disease risk
- Co-ordination of research groups

RESEARCH FUNDING SINCE COMMENCEMENT OF ROLE AT NORTHUMBRIA

- Technology Strategy Board. Measurement of Biochemical Traits in Fresh Produce using Imaging Technologies' Dr Georgios Koutsidis (PI), Dr John Lodge, Prof Gary Black, Dr Darren Smith. With Thanet Earth Marketing, Verivide Ltd, Gilden Photonics and MMR Research. £1,057,388
- Biosciences KTN SPARK award. Validating performance of a data analysis solution applied to nutritional metabolomics. Dr John Lodge (PI). With NonLinear Dynamics. £10,000
- Technology Strategy Board. 'Recovery of value added ingredients from the waste streams of large scale bioreactors'. Dr Georgios Koutsidis (PI), Dr John Lodge, Prof Gary Black, Dr Darren Smith. With Quorn Foods. £264,000
- Cherry Marketing Institute. 'The bioavailability of polyphenols in tart Montgomery cherries and physiological impact on vascular function, cognition and exercise efficiency'. Dr Glyn Howatson (PI) and Dr John Lodge. £75,000
- Higher Education Innovation Fund. 'Building capacity at Northumbria to utilise deep DNA sequencing to profile microbes associated with food spoilage in an industrial setting'. Dr Darren Smith (PI) and Dr John Lodge. £29,900
- Higher Education Innovation Fund. 'Development of food metabolomics to monitor food deterioration'. Dr John Lodge (PI), Dr Darren Smith and Dr Georgios Koutsidis. £28,776

TOTAL ***£1,466,064***

PREVIOUS RESEARCH SUPPORT

- Food Standards Agency. 'Development of a dose-responsive biological marker for sucrose intake based on metabolomics and machine learning'. Dr John Lodge (PI), Dr Barbara Engel, Prof. Gary Frost, Dr Manfred Beckmann & Prof. John Draper. 2009-2011 £474,049
- EEDA Innovation Voucher with Spicer Biotech. 'Algal Metabolomics'. Dr Leon Terry and Dr John Lodge. 2010 £3,000
- UniSdirect Proof of Concept award, 'Identification of novel biomarkers associated with diet and disease by LC/MS based metabonomics', Dr John Lodge (PI) and Prof. Gary Frost. 2006-2008 £3,960
- BASF AG, 'Vitamin E Biokinetics and Monocyte Gene Expression in ApoE4 Smokers and Non-Smokers' Dr John Lodge (PI), Dr Anne Marie Minihane and Dr Gerald Rimbach, 2002-2004 £223,880
- British Heart Foundation, 'Vitamin E Biokinetics and Metabolism' Dr John Lodge (PI), Dr Bruce Griffin and Prof. Gordon Ferns, 2002-2004 £95,646
- Cognis Nutrition & Health, 'Vitamin E Biokinetics' £50,000
- Royal Society, 'Vitamin E Trafficking in Humans', Dr John Lodge. 2000-2003 £9,978

TOTAL RESEARCH INCOME TO DATE ***£2,326,577***

PHD STUDENTS COMPLETED

1. Yvonne M. Jeanes. 'The metabolism and biokinetics of vitamin E in healthy human beings and those at increased risk of cardiovascular disease.' Funding & source: MRC. Awarded February 2004. Principal Supervisor.
2. Nicola Harman. 'The influence of dietary modifications and weight loss on plasma lipids and lipoproteins.' Funding & source: FSA. Awarded March 2008. Co-supervisor.

3. Laura Tripkovic. 'The SLOWCARB Project: Investigating the potential influence of wholegrains on cardiovascular disease risk in humans.' Funding & source: Industrial. Awarded August 2010. Principal Supervisor.
4. Nicola Muirhead. 'Impact of wholegrain and constituents on inflammatory and metabolic markers in humans (SLOWCARB project).' Funding & source: Industrial. Awarded September 2010. Principal Supervisor.
5. Aswir Abd-Rashed. 'Dietary factors that influence iron uptake into intestinal cells.' Funding & source: Malaysian Government. Awarded Feb 2011. Principle Supervisor.

CURRENT & PENDING PHD STUDENTS

1. Karen Keane. 'The bioavailability of polyphenols in tart Montgomery cherries and physiological impact on vascular function, cognition and exercise efficiency. Funded by The Cherry Marketing Institute. Co-investigator (Dr Glyn Howatson PI).
2. Jenifer Mariya-Francis. The study of streptococcal pathogenesis using proteomic and metabolomic approaches. USF. Co-investigator (Dr Meng Zhang PI).
3. Monica Caixinha. Parental child feeding practices and child health outcomes. Funded by the University of Algarve. Joint with Cranfield University. Started January 2011
4. Ezequiel Pinto. Type 2 diabetes and nutrition – food behaviour and nutrition therapy compliance. Funded by the University of Algarve. Joint with Cranfield University. Started January 2011

ACADEMIC LEADERSHIP EXPERIENCE

- Head of Food & Nutrition Research Group
- Line manager for 2 PDRA's, supervisor of 1 PDRA and a RA (technical grade), mentor for 2 academic staff
- Previous experience of supervising research teams and PhD students
- Effective management of research projects
- Academic lead for metabolomics core technology

ACADEMIC CITIZENSHIP

- Faculty Ethics Committee representative for Department of Applied Sciences
- Member of Applied Sciences Research Steering Committee
- Member of Faculty Research and Innovation Committee
- Module organiser for one UG and one PG module

EXTERNAL ACADEMIC ROLES

- External examiner for the BSc Food and Nutrition, BSc Community Nutrition and BA Home Economics courses at Liverpool John Moores University.
- External examiner for the BSc Biological Sciences (Food Science) (Human Health) courses at Heriot-Watt University, Edinburgh.
- External lecturer for the Faculty of Health & Medical Sciences at the University of Surrey.

CONTINUOUS PROFESSIONAL DEVELOPMENT

- Business Skills Development Programme. This highly rated course develops communication skills and behavioural awareness to aid in more effective teamwork, leadership and business development.

OTHER ACADEMIC ACTIVITIES

- PhD examiner (n=8)
- Regular reviewer for Brit J Nutr, J Nutr, Am J Clin Nutr, Free Rad Biol Med and others

MEMBERSHIP OF LEARNED SOCIETIES

- Nutrition Society
- Metabolomics Society

FULL PUBLICATION LIST

ARTICLES SUBMITTED/IN REVISION

1. Beckmann M, Joosen A, Clarke MC, Mugridge O, Frost G, Draper JH & Lodge JK. Changes in the human plasma and urinary metabolome associated with acute exposure to sucrose. *Journal Of Proteome Research.* **In revision**
2. Tripkovic L, Muirhead N, Bodingham C, Robertson MD, Hart K, Bodman-Smith K, Frost G & Lodge JK. Influence of increased whole grain intake on CVD risk factors in humans using a targeted delivery system: a randomised, controlled trial. *Clinical Nutrition.* **In revision**

PEER REVIEWED PUBLICATIONS IN PRESS

AVERAGE IF: 3.45 AVERAGE CITATION PER ITEM: 24 H-INDEX: 20

1. Tripkovic L, Muirhead N, Hart K, Frost G & Lodge JK The effects of a diet rich in inulin or wheat fibre on markers of cardiovascular disease in overweight male subjects. *Journal of Human Nutrition and Dietetics.* Jun doi: 10.1111/jhn.12251 PMID: 24919604 (IF: 1.97).
2. Langer S and Lodge JK (2014) Simultaneous determination of water-soluble vitamins using hydrophilic chromatography: a comparison of photodiode array, fluorescence, and coulometric detection. *Journal of Chromatography B: Biomedical applications* **960:** 73-81. (IF: 2.48).
3. Tripkovic L, Hart K, Frost G & Lodge JK (2014) Inter- and Intra-individual variation in Pulse Wave Velocity measurements in a heterogenous male population. *Journal of Blood Pressure Monitoring*. PMID: 24842490 (IF: 1.81).
4. Max C.Y. Wong and John K. Lodge (2012) A metabolomic investigation of the effects of vitamin E supplementation in humans. *Nutrition & Metabolism* **9**: 110-118. (IF: 3.15)
5. Sandy Primrose, Augustin Scalbert, John Draper, Rachel Elsom, Verity Kirkpatrick, John C. Mathers, Chris Seal, John H. Beattie, John K. Lodge, Mazda Jenab & Hector Keun (2011) Metabolomics in Human Nutrition. *British Journal of Nutrition* **105:** 1277-83. (IF: 3.45)
6. Alfred Thumser, Aswir Abd Rashed, Paul A Sharp, and John K Lodge (2010) Ascorbate enhances iron uptake into intestinal cells through formation of a $FeCl_3$-ascorbate complex. *Food Chemistry* **123**: 281-285. (IF: 3.15)
7. Gerald Rimbach, Jennifer Moehring, Patricia Huebbe and John K Lodge (2010) Gene-regulatory activity of alpha-tocopherol. *Molecules* **15:** 1746-61. (IF: 1.74)
8. Patricia Huebbe, John K Lodge and Gerald Rimbach (2010) Implications of apolipoprotein E genotype on inflammation and vitamin E status. *Molecular Nutrition and Food Research* **54:** 623-630. (IF: 4.35)
9. John K Lodge (2010) Targeted and nontargeted approaches for metabolite profiling in nutritional research. *Proceedings of the Nutrition Society* **69**: 1-8. (IF: 4.32)
10. Jan Frank, TW George, John K Lodge, AM Rodriguez-Mateos, JP Spencer, AM Minihane, G Rimbach (2009) Daily consumption of an aqueous green tea extract supplement does not impair liver function or alter cardiovascular disease risk biomarkers in healthy men. *Journal of Nutrition* **139**:58-62. (IF: 4.09)
11. Max C.Y. Wong, Warren T.K. Lee, Jayme, S.Y. Wong, Gary Frost and John K. Lodge (2008) An approach towards method development for untargeted urinary metabolite profiling in metabonomic research using UPLC/QToF MS. *Journal of Chromatography B* **871:** 341-348. (IF: 2.78)
12. John K Lodge (2008) Mass spectroscopy approaches for vitamin E research. *Biochemical Society Transactions* **36:** 1066-1070. (IF: 3.38)
13. Nicola Waite, John K Lodge, Denise Robertson, Esther Badley, Susanna Burton and Kath Hart (2008). Do fish-oil supplements affect insulin sensitivity? A pilot intervention study. *Journal of Human Nutrition and Dietetics* **21**:288-289. (IF: 1.92)
14. John K. Lodge (2007). Molecular actions of ascorbic acid. *Current Topics in Nutraceutical Research* **5:** 1-13. (IF: 0.26)
15. Anna R. Proteggente, Christina Rota, Jonathan Majewicz, Gerald Rimbach, Anne-Marie Minihane, Klaus Krämer and John K. Lodge (2006). Cigarette smokers differ in their handling of natural (*RRR*) and synthetic (*all rac*) alpha-tocopherol: a biokinetic study in apoE4 male subjects. *Free Radicals Biology & Medicine* **40:** 2080-2091. (IF: 6.08)
16. Jonahan Majewicz, Gerald Rimbach, Anna R. Proteggente, John K. Lodge, Klaus Kraemer and Anne Marie Minihane (2005). Dietary vitamin C down-regulates inflammatory gene expression in apoE4 smokers. *Biochemical and Biophysical Research Communications* **338:** 951-955. (IF: 2.55)
17. John K. Lodge (2005). Vitamin E bioavailability in humans. *Journal of Plant Physiology* **162**: 790-796. (IF: 2.50)
18. Anna R. Proteggente, Rufus Turner, Jonathan Majewicz, Gerald Rimbach, Anne-Marie Minihane, Klaus Krämer and John K. Lodge (2005). Non-competitive plasma biokinetics of deuterium-labeled natural and synthetic alpha-tocopherol in males with an apoE4 genotype. *Journal of Nutrition* **1035**: 1063-1069. (IF: 4.09)

19. Yvonne M. Jeanes, Wendy L. Hall and John K. Lodge (2005). Comparative deuterium-labelled alpha-tocopherol biokinetics in plasma, lipoproteins, erythrocytes, platelets and lymphocytes in normolipidaemic males. *British Journal of Nutrition* **94**: 92-99. (IF: 3.45)
20. Wendy L. Hall, Yvonne M. Jeanes and John K. Lodge (2005). Hyperlipidemic subjects have reduced uptake of newly absorbed vitamin E into their plasma lipoproteins, erythrocytes, platelets, and lymphocytes, as studied by deuterium-labeled α-tocopherol biokinetics. *Journal of Nutrition* **135**: 58-63. (IF: 4.09)
21. Angelo Azzi, Regina Brigelius-Flohé, Frank Kelly, John K. Lodge, Nezrin Özer, Lester Packer and Helmut Sies (2005) On the opinion of the European Commission "Scientific Committee on Food" regarding the tolerable upper intake level of vitamin E (2003). *European Journal of Nutrition*. **44**: 60-62. (IF: 2.87)
22. Frank Döring, Gerald Rimbach, and John K. Lodge (2004) In silico search for single nucleotide polymorphisms in genes important in vitamin E homeostasis. *IUBMB Life* **56**: 615-620. (IF: 3.58)
23. John K. Lodge, Wendy L. Hall, Yvonne M. Jeanes and Anna R. Proteggente (2004) Physiological factors influencing vitamin E biokinetics. *Annals of the New York Academy of Science* **1031**: 60-73. (IF: 2.67)
24. Yvonne M. Jeanes, Wendy L. Hall, Suzanne Ellard, Elizabeth Lee, and John K. Lodge (2004). The absorption of vitamin E is influenced by the amount of fat in a meal and the food matrix. *British Journal of Nutrition* **92**: 575-579. (IF: 3.45)
25. Yvonne M. Jeanes, Wendy L. Hall, Anna R. Proteggente, and John K. Lodge (2004). Cigarette smokers have decreased lymphocyte and platelet alpha-tocopherol levels and increased excretion of the gamma-tocopherol metabolite gamma-carboxyethyl-hydroxychroman (gamma-CEHC). *Free Radical Research* **38**: 861-868. (IF: 2.22)
26. Wendy L. Hall, Yvonne M. Jeanes, Jonathan Pugh and John K. Lodge (2003). Development of a liquid chromatographic time-of-flight mass spectrometric method for the determination of unlabelled and deuterium-labelled alpha-tocopherol in blood components. *Rapid Communications in Mass Spectroscopy* **17**: 2797-2803. (IF: 2.69)
27. John K. Lodge, James Ridlington, Scott Leonard, Heather Vaule, and Maret G. Traber (2001). Tocotrienols are Metabolised to their Carboxyethyl-hydroxychroman (CEHC) derivatives and excreted in human urine. *Lipids* **36**, 43-48. (IF: 2.38)
28. John K. Lodge, Maret G. Traber, and Peter J. Sadler (2000). Cu(II)-Catalyzed LDL Peroxidation is Highly Dependent on the Initial Oxygen Concentration: an O2 consumption study. *Lipids* **35**, 1087-1092. (IF: 2.38)
29. John K. Lodge, Maret G. Traber, Angelika Elsner and Regina Brigelius-Flohé (2000). A Rapid Method for the Extraction and Determination of Vitamin E Metabolites in Human Urine. *Journal of Lipid Research* **41**, 148-154. (IF: 4.92)
30. Claude Saliou, Manabu Kitazawa, Laura McLaughlin, Jian-Ping Yang, John K. Lodge, Toshifumi Tetsuka, Keiji Iwasaki, Josiane Cillard, Takashi Okamoto, and Lester Packer (1999). Antioxidants Modulate Acute Solar Ultraviolet Radiation-induced NF-kappa-B Activation in a Human Keratinocyte Cell Line. *Free Radicals Biology & Medicine* 26, 174-83. (IF: 6.08)
31. John K. Lodge, Qi-Shui Lin, and Lester Packer (1998). Inhibition of Mitochondrial Respiration by the Dithiol Dihydrolipoic Acid. *Research Communications in Biochemistry, Cell and Molecular Biology* 2, 381-395. (IF: na)
32. Savita Khanna, Mustafa Atalay, John K. Lodge, David E. Laaksonen, Sashwati Roy, Osmo Hanninen, Lester Packer, and Chandan K. Sen (1998). Skeletal Muscle and Liver Lipoyllysine Content in Response to Exercise, Training and Dietary alpha-Lipoic acid Supplementation. *Biochemistry and Molecular Biology International* 46, 297-306. (IF: 0.29)
33. John K. Lodge, Maret G. Traber, and Lester Packer (1998). Thiol Chelation of Cu(II) by Dihydrolipoic Acid Prevents Human Low Density Lipoprotein Peroxidation. *Free Radicals Biology & Medicine* 25, 287-297. (IF: 6.08)
34. Juanita Bustamante, John K. Lodge, Lucia Marcocci, Hans J. Tritschler, Lester Packer, and Bertrand Rihn (1998). Lipoic Acid in Liver Disease and Health. *Free Radicals Biology and Medicine* 24, 1023-1029. (IF: 6.08)
35. John K. Lodge, Hong-Duk Youn, Garry J. Handelman, Tetsuya Konishi, Seiichi Matsugo, Vivek V. Mathur, and Lester Packer (1997). Natural Sources of Lipoic Acid: Determination of Lipoyllysine released from Protease-digested Tissues by HPLC-ECD. *Journal of Applied Nutrition* 49, 3-11. (IF: na)
36. Seiichi Matsugo, Liang-Jun Yan, Tetsuya Konishi, Hong-Duk Youn, John K. Lodge, Heinz Ulrich, and Lester Packer (1997). The Lipoic Acid analogue 1,2-diselenolane-3-pentanoic acid protects Human Low Density Lipoprotein against Oxidative Modification mediated by Copper ion. *Biochemical and Biophysical Research Communications* 240, 819-824. (IF: 2.55)
37. Liang-Jun Yan, John K. Lodge, Maret G. Traber, Seiichi Matsugo, and Lester Packer (1997). Comparison between Copper-mediated and Hypochlorite-mediated Modifications of Human Low

Density Lipoproteins evaluated by Protein Carbonyl Formation. *Journal Of Lipid Research* 38, 992-1001. (IF: 4.92)

38. Liang-Jun Yan, John K. Lodge, Maret G. Traber, and Lester Packer (1997). Apolipoprotein B Carbonyl Formation is Enhanced by Lipid Peroxidation during Copper-Mediated Oxidation of Human Low-Density Lipoproteins. *Archives of Biochemistry and Biophysics* 339, 165-171. (IF: 3.05)
39. John K. Lodge, Peter J. Sadler, Michelle L. Kus, and Paul G. Winyard (1995). Copper-induced LDL Peroxidation investigated by ^{1}H NMR Spectroscopy. *Biochimica et Biophysica Acta* 1256, 130-140. (IF: 3.89)
40. John K. Lodge and Peter J. Sadler (1993). Peroxidation Reactions of Low Density Lipoproteins catalysed by Cu(II) and Fenton's Reagent. *Journal of Inorganic Biochemistry* 51, 429. (IF: 3.25)
41. John K. Lodge, Sunil U. Patel, and Peter J. Sadler (1993). Aldehydes from Metal-ion and Lipoxygenase-induced Lipid Peroxidation: detection by ^{1}H NMR Spectroscopy. *Biochemical Journal* 289, 149-153. (IF: 5.15)

INVITED COMMENTARIES

1. John K. Lodge (2010). Opportunities and challenges for the use of metabolomics in human nutritional studies. *Journal of the Institute of Food Science & Technology* 24(3), 33-35.
2. John K. Lodge (2011). Impact of metabolomics for food security & nutritional studies. *Food Science Centra*l Published online.

BOOK CHAPTERS

1. M. Denise Robertson and John K. Lodge (2008) Lipid Metabolism *in* "Artificial Nutritional Support in Clinical Practice", 3rd Edition ed. Payne-James, Grimble, Forbes & Silk. Cambridge University Press.
2. John K. Lodge (2004) Cellular Redox Activity and Molecular Functions of Ascorbic Acid *in* "Nutrigenomics" ed. Rimbach, G. H. and Packer, L. Marcel Dekker, New York. 257-282.
3. Christina Rota, Anne M. Minihane, Peter D. Weinberg, Stefan Weber, John K. Lodge, Lester Packer and Gerald Rimbach (2004) Cell Regulatory Activity of Tocopherols and Tocotrienols *in* "Nutrigenomics" ed. Rimbach, G. H. and Packer, L. Marcel Dekker, New York. 201-220.
4. Stefan U. Weber, John K. Lodge, Claude Saliou, and Lester Packer (2001) Antioxidants *in* "Handbook of Cosmetic Science and Technology" ed. Barel, Paye, and Maibach. Marcel Dekker, New York. 299-310. New edition 2008.
5. John K. Lodge and Lester Packer (2000) α-Lipoic Acid: the Metabolic Antioxidant *in* "Nutrition and Immunology" ed. Gershwin, M., German, J., and Keen, C. Humana Press, New Jersey. 97-107.
6. John K. Lodge and Lester Packer (1999). Natural Sources of Lipoic Acid in Plant and Animal Tissues *in* "Antioxidant Food Supplements in Human Health" ed. Packer, L., Hiramatsu, M., and Yoshikawa, T. Academic Press, San Diego. 121-134.

CONFERENCE INVOLVEMENT

Plenary Lecture(s) (since 2000)

1. 13th International Rapeseed Congress, Prague, June 2011. Vitamin E and similar compounds in rape seed oils.
2. Nutrition Society Summer Meeting, University of Surrey, July 2009. Targeted and non-targeted approaches for metabolite profiling in nutritional research.
3. Biochemical Society Focused Meeting "Bioanalysis in Oxidative Stress", University of Exeter, April 2008. Mass spectroscopy for vitamin E research: stable isotope and metabonomic approaches.
4. 4th European Federation Lipid Congress "Oilseedrape for a heather future", Madrid, Spain, October 2006. Human Nutritional Aspects of Vitamin E.
5. Vitamin E expert meeting "Occurrence, metabolism and function of vitamin E in plants, man and animals", Salzau, Germany, March 2005. Vitamin E bioavailability in humans.
6. New York Academy of Sciences "Vitamin E and Health" Conference, Boston MA, USA, May 2004. Physiological factors influencing vitamin E biokinetics.

Recent (since 2000) Oral Conference Communications

1. Nutrition Society Summer Meeting, Belfast, June 2012: 'Development of a biomarker for sucrose intake using metabolomics'. Co-authors: Beckmann M, Joosen A, Clarke MC, Mugridge O, Frost G, Draper JH
2. Nutrition Society Summer Meeting, Nottingham, June 2008: 'Whole grain consumption improves arterial stiffness in young adult males'. Co-authors: Laura Tripkovic, Nicola Muirhead, Gary Frost.
3. Nutrition Society Summer Meeting, Coleraine, July 2007: 'Nutritional metabonomics: optimisation for general serum metabolic profiling using UPLC coupled with QToF MS'. Co-authors: Max .C.Y. Wong, Helena Feldmann, Gary Frost

4. 9th European Nutrition Conference (FENS), Rome, October 2003: 'Absorption of labelled-alpha-tocopherol in plasma, erythrocytes, platelets and lymphocytes in individuals with normal or raised plasma lipids'. Co-authors: Wendy Hall, Yvonne Jeanes.
5. Nutrition Society Summer Meeting, London, July 2003: 'Absorption of labelled vitamin E after ingestion of different breakfasts'. Co-authors: Yvonne Jeanes, Wendy Hall.
6. Nutrition Society Summer Meeting, London, July 2003: 'Inter-individual variation and distribution of labelled vitamin E in blood components'. Co-authors: Yvonne Jeanes, Wendy Hall.
7. Oxygen Club of California World Congress, Santa Barbara California, March 2002: 'Vitamin E metabolism in humans; a single-dose study'. Co-authors: Yvonne Jeanes, Wendy Hall.
8. Nutrition Society Summer Meeting, University of Cork, July 2000: 'Tocotrienols are metabolized to their CEHC derivatives and excreted in human urine'. Co-authors: Maret Traber, Scott Leonard.

Chair of Symposium

1. Vitamin E expert meeting "Occurrence, metabolism and function of vitamin E in plants, man and animals", Salzau, Germany, March 2005.

Workshop Participation

1. Food Standards Agency. 'The use of metabolomics technologies in human nutrition research'. London, March 2010.
2. European Nutrigenomics Organisation (NuGo). 'Tools and methods for mass spectroscopy metabolomics in nutrition'. INRA, Clermont-Ferrand, France, December 2007.