CURRICULUM VITAE : PHILIP CALDER

Present appointment:
Professor of Nutritional Immunology, Faculty of Medicine, University of Southampton, Southampton, UK (since 2002)

Previous posts:
1982-1987 Assistant Lecturer, Department of Biochemistry, University of Auckland, New Zealand
1987-1991 Nuffield Medical Fellow, Department of Biochemistry, University of Oxford
1991-1995 Departmental Lecturer, Department of Biochemistry, University of Oxford
1995-1998 Lecturer in Human Nutrition, University of Southampton
1998-2002 Reader in Human Nutrition, University of Southampton
2018-2025 Head of School of Human Development and Heath, Faculty of Medicine, University of Southampton

Qualifications:
1980; BSc(Hons) (1st class), Biochemistry, Massey University, Palmerston North, New Zealand
1987; PhD, Biochemistry, University of Auckland, Auckland, New Zealand
1994; DPhil, Biochemistry, University of Oxford, Oxford

Prizes, awards etc:
1987 Oxford Nuffield Medical Fellowship
1995 Sir David Cuthbertson Medal, Nutrition Society
2004 Belgian Danone Institute Chair
2007 Nutricia International Award
2008 Cuthbertson Award & Lecture, European Society for Clinical Nutrition & Metabolism
2009 Muriel Bell Award, New Zealand Nutrition Society
2011 Louisiana State University Chancellor's Award in Neuroscience and Medicine
2012 Normann Medal, German Society for Fat Science
2015 Ralph T. Holman Lifetime Achievement Award, American Oil Chemists' Society
2015 Pennington Lecture, British Association for Parenteral and Enteral Nutrition
2015 British Nutrition Foundation Prize
2016 Danone International Prize for Nutrition
2016 British Nutrition Foundation Lecture
2017 Distinguished Lecturer and Scholar, Texas A&M University
2017 DSM Award for Lifetime Achievement in Human Nutrition
2017 National Dairy Council Lecture
2019 NUTRIM Award, Maastricht University
2021 Rank Prize Fund Lecture
2021 European Lipid Science Award 2021, European Federation for Lipid Science & Technology
2021 80th Anniversary Award, The Nutrition Society
2023 Stephen S. Chang Award, American Oil Chemists' Society
2023 Hagler Fellowship, Texas A&M University (for 5 years)
2024 Lifetime Achievement Award, Global Organisation for EPA and DHA
2024 Honorary Membership; European Society for Clinical Nutrition & Metabolism
2025 Alexander Leaf Lifetime Achievement Award, International Society of the Study of Fatty Acids and Lipids

Other esteem markers:
2007 Fellow of the Higher Education Academy
2011 Fellow of the Royal Society of Biology
2012 Fellow of the Association for Nutrition,
2018 Fellow of the International Society for the Study of Fatty Acids and Lipids

President, International Society for the Study of Fatty Acids and Lipids (2009-2012)
Vice-President, International Society of Immunonutrition
Chair, Scientific Committee, European Society for Clinical Nutrition and Metabolism (2012-2016)
President, Nutrition Society (2016-2019)
President, International Life Sciences Institute European Branch (2019-2021)
President, Federation of European Nutrition Societies (2019-2023)

Editor in Chief, British Journal of Nutrition (2006-2013)
Editor in Chief, Lipids (since 2024)
Associate Editor Journal of Nutrition (since 2014)
Associate Editor Clinical Science (since 2004)
Associate Editor Annals of Nutrition and Metabolism
Associate Editor Frontiers in Immunology
Member of several other editorial boards: Current Opinion in Clinical Nutrition and Metabolic Care (since 1998; Section Editor since 1998; Hot Topics Editor since 2023), European Journal of Nutrition, Prostaglandins Leukotrienes and Essential Fatty Acids
Previously member of several editorial boards (British Journal of Nutrition (1998-2004), International Journal of Biochemistry and Cell Biology (2003-2007), Journal of Nutrition (2004-2009), Nutrition, Annual Review of Nutrition (2008-2012), Clinical Nutrition (including as Associate Editor 2014-2019), Biochimica et Biophysica Acta Molecular

& Cell Biology of Lipids, Lipids (Associate Editor 2005-2020), Nutrition Research (Associate Editor 2021-2023))

Co-author on European Guidelines for "parenteral nutrition in intensive care" (2009) and "clinical nutrition in the intensive care unit" (2019)

More than 600 invited, guest, special, plenary or keynote lectures at national and international congresses and symposia

Listed as a Highly Cited Researcher in every edition since 2011.

In 2020, ranked 250th in the Plos Biology/Mendeley analysis of approximately 8 million scientists who have published more than 5 papers – this was the all-time/all-fields ranking (top 0.0032% of all researchers). Based on the most recent complete single year at that time (2019) ranked 131st.

In 2024 Research.com assessed researchers across 26 disciplines ranking them nationally and internationally based upon citations of their publications. In Medicine, Calder ranked 83rd in the UK and 770th in the world. In Biology and Biochemistry, Calder ranked 8th in the UK and 158th in the world. See under "Best Scientists Ranking" at https://research.com.

In 2023 ScholarGPS assessed about 30 million researchers by field and specialities ranking them according to all-time citations and citations over the previous 5 years. Over all-time and all disciplines, Calder was ranked 216th in the world (194th over the last five years). Calder was ranked 1st in fatty acid research, 3rd in nutrition and 8th in clinical nutrition over all time (1st, 1st and 6th over the last five years). See https://scholargps.com/scholars.

Current funded research projects:

1. Effect of vitamin D and probiotics alone and together on immune function in older people. Principal investigator. Human trial. Funded by UK Medical Research Council.
2. Effect of corn fibre on gut microbiota and biomarkers of inflammation and immunity. Principal investigator. Human trial. Funded by Tate & Lyle.
3. Diet and Health Research Innovation Hub. Principal investigator. Funded by UK Biotechnology and Biological Sciences Research Council.

Graduate student supervision:

1. Supervised 22 students to completion of DPhil or PhD; currently supervising 2 PhD students.
2. Supervised 2 students to completion of DM.
3. Co-supervised 9 students to completion of PhD.

Publications:

As of 6 July 2025: Published 457 research papers, 221 review articles in journals, 35 expert group reports/guidelines, 114 editorials/commentaries/comments, 13 letters to the editor and 79 book and text-book chapters. Co-edited 4 books.
PubMed lists 781 publications for "Calder PC".
Web of Science lists 924 publications, with more than 67,000 citations (> 72 citations per article) and an h-index of 128.
Google Scholar lists more than 124,000 citations with an h-index of 164 and an i-10 index of 706.

Publications:

1. Baker, E.N., Boland, M.J., Calder, P.C. and Hardman, M.J., The specificity of actinidin and its relationship to the structure of the enzyme. Biochimica et Biophysica Acta, 616, 1980, 30-34.
2. Calder, P.C. and Geddes, R., Ordered synthesis and degradation of liver glycogen involving 2-amino-2-deoxy-D-glucose. Carbohydrate Research, 118, 1983, 233-238.
3. Calder, P.C. and Geddes, R., Glycogen of high molecular weight from mammalian muscle. Carbohydrate Research, 135, 1985, 249-256.
4. Calder, P.C. and Geddes, R., The proteoglycan nature of mammalian muscle glycogen. Glycoconjugate Journal, 2, 1985, 365-373.
5. Calder, P.C. and Geddes, R., Digestion of the protein associated with muscle and liver glycogens. Carbohydrate Research, 148, 1986, 173-177.
6. Calder, P.C., Geddes, R. and Leech, H.F., The heterogeneity of the protein content of liver and muscle glycogens. Glycoconjugate Journal, 3, 1986, 331-338.
7. Calder, P.C. and Geddes, R., Starvation of phosphorylase kinase deficient rats is accompanied by partial hepatic glycogen depletion. Biochemical Journal, 252, 1988, 927-928.
8. Blows, J.M.H., Calder, P.C., Geddes, R., and Wills P.R., The structure of placental glycogen. Placenta, 9, 1988, 493-500.
9. Calder, P.C. and Geddes, R., The structure of the rat liver glycogen backbone protein. Biochemistry International, 17, 1988, 711-717.
10. Calder, P.C. and Geddes, R., Rat skeletal muscle lysosomes contain glycogen. International Journal of Biochemistry, 21, 1989, 561-567.
11. Calder, P.C. and Geddes, R., Regulation of lysosomal glycogen metabolism: studies of the actions of mammalian □-glucosidases. International Journal of Biochemistry, 21, 1989, 569-576.
12. Calder, P.C. and Geddes, R., Acarbose is a competitive inhibitor of mammalian □-glucosidases. Carbohydrate Research, 191, 1989, 71-78.

13. Calder, P.C. and Geddes, R., Skeletal muscle glycogen content, structure and metabolism are normal in rats with hepatic glycogen phosphorylase kinase deficiency. Biochemistry International, 19, 1989, 1231-1239.
14. Goodwin, G.M., Cowen, P.J., Parry-Billings, M., Calder, P.C. and Newsholme, E.A., Decreased plasma tryptophan levels in dieting man. British Medical Journal, 300, 1990, 1499-1500.
15. Calder, P.C., Bond, J.A., Harvey, D.J., Gordon, S. and Newsholme, E.A., Uptake and incorporation of saturated and unsaturated fatty acids into macrophage lipids and their effect upon macrophage adhesion and phagocytosis. The Biochemical Journal, 269, 1990, 807-814.
16. Calder, P.C. and Geddes, R., Post mortem glycogenolysis is a combination of phosphorolysis and hydrolysis. International Journal of Biochemistry, 22, 1990, 847-856.
17. Parry-Billings, M., Evans, J., Calder, P.C. and Newsholme, E.A., Does glutamine contribute to immunosuppression after major burns? The Lancet, 336, 1990, 523-525.
18. Calder, P.C., Bond, J.A., Bevan, S.J., Hunt, S.V. and Newsholme, E.A., Effect of fatty acids on the proliferation of concanavalin A-stimulated rat lymph node lymphocytes. International Journal of Biochemistry, 23, 1991, 579-588.
19. Calder, P.C., Glycogen structure and biogenesis. International Journal of Biochemistry, 23, 1991, 1335-1352.
20. Calder, P.C. and Geddes, R., Heterogeneity of glycogen synthesis upon refeeding following starvation. International Journal of Biochemistry, 24, 1992, 71-77.
21. Calder, P.C., Bevan, S.J. and Newsholme, E.A., The inhibition of T-lymphocyte proliferation by fatty acids is via an eicosanoid-independent mechanism. Immunology, 75, 1992, 108-115.
22. Calder, P.C. and Newsholme, E.A., Polyunsaturated fatty acids suppress human peripheral blood lymphocyte proliferation and interleukin-2 production. Clinical Science, 82, 1992, 695-700.
23. Calder, P.C. and Newsholme, E.A., Unsaturated fatty acids suppress interleukin-2 production and transferrin receptor expression by concanavalin A-stimulated rat lymphocytes. Mediators of Inflammation, 1, 1992, 107-115.
24. Dimitriadis, G., Parry-Billings, M., Dunger, D., Bevan, S., Colquhoun, A., Taylor, A., Calder, P.C., Krause, U., Wagener, G. and Newsholme, E.A., Effects of in vivo administration of insulin-like growth factor I on the rate of glucose utilization in the soleus muscle of the rat. Journal of Endocrinology, 133, 1992, 37-43.
25. Calder, P.C., Harvey, D.J., Pond, C.M. and Newsholme, E.A., Site-specific differences in the fatty acid composition of human adipose tissue. Lipids, 27, 1992, 716-720.
26. Parry-Billings, M., Budgett, R., Koutedakis, Y., Blomstrand, E., Brooks, S., Williams, C., Calder, P.C., Pilling, S., Baigrie, R. and Newsholme, E.A., Plasma amino acid concentrations in the overtraining syndrome: possible effects on the immune system. Medicine and Science in Sports and Exercise, 24, 1992, 1353-1358.
27. Calder, P.C. and Newsholme, E.A., Influence of antioxidant vitamins on fatty acid inhibition of lymphocyte proliferation. Biochemistry and Molecular Biology International, 29, 1993, 175-183.
28. Pond, C.M., Mattacks, C.A., Calder, P.C. and Evans, J., Site-specific properties of human adipose depots homologous with those of other mammals. Comparative Biochemistry and Physiology, 104A, 1993, 819-824.
29. Curi, R., Bond, J.A., Calder, P.C. and Newsholme, E.A., Propionate regulates lymphocyte proliferation and metabolism. General Pharmacology, 24, 1993, 591-597.
30. Calder, P.C. and Newsholme, E.A., The effects of omega-3 fatty acids on lymphocyte functions, In: Drevon, C.A., Baksaas, I. and Krokan, H.E., eds. Omega-3 Fatty Acids: Metabolism and Biological Effects, Basel, Birkhauser Verlag, 1993, pp. 293-303.
31. Newsholme, E.A., Calder, P.C. and Yaqoob, P., The regulatory, informational and immunomodulatory roles of fat fuels. American Journal of Clinical Nutrition, 55, 1993, S738-S751.
32. Calder, P.C., The effects of fatty acids on lymphocyte functions. Brazilian Journal of Medical and Biological Research, 26, 1993, 901-917.
33. May, C.L., Southworth, A.J. and Calder, P.C., Inhibition of lymphocyte protein kinase C by unsaturated fatty acids. Biochemical and Biophysical Research Communications, 195, 1993, 823-828.
34. Yaqoob, P. and Calder, P.C., The effects of fatty acids on lymphocyte functions. International Journal of Biochemistry, 25, 1993, 1705-1714.
35. Calder, P.C., Yaqoob, P. and Newsholme, E.A., Triacylglycerol metabolism by lymphocytes and the effect of triacylglycerols on lymphocyte proliferation. The Biochemical Journal, 298, 1994, 605-611.
36. Dimitriadis, G., Parry-Billings, M., Leighton, B., Piva, T., Dunger, D., Calder, P., Bond, J. and Newsholme, E., Studies on the effects of growth hormone administration in vivo on the rates of glucose transport and utilisation in rat skeletal muscle. European Journal of Clinical Investigation, 24, 1994, 161-165.
37. Calder, P.C., Yaqoob, P., Harvey, D.J., Watts, A. and Newsholme, E.A., The incorporation of fatty acids by lymphocytes and the effect on fatty acid composition and membrane fluidity. The Biochemical Journal, 300, 1994, 509-518.
38. Yaqoob, P., Newsholme, E.A. and Calder, P.C., The effect of dietary lipid manipulation on rat lymphocyte subsets and proliferation. Immunology, 82, 1994, 603-610.
39. Calder, P.C., Glutamine and the immune system. Clinical Nutrition, 13, 1994, 2-8.
40. Calder, P.C., Sherrington, E.J., Askanazi, J. and Newsholme, E.A., Inhibition of lymphocyte proliferation in vitro by two lipid emulsions with different fatty acid compositions. Clinical Nutrition, 13, 1994, 69-74.
41. Yaqoob, P., Newsholme, E.A. and Calder, P.C., Inhibition of natural killer cell activity by dietary lipids. Immunology Letters, 41, 1994, 241-247.
42. Power, G.W., Yaqoob, P., Harvey, D.J., Newsholme, E.A. and Calder, P.C., The effect of dietary lipid manipulation on hepatic phospholipid fatty acid composition and carnitine palmitoyltransferase I activity. Biochemistry and Molecular Biology International, 34, 1994, 671-684.
43. Castell, L.M., Bevan, S.J., Calder, P.C. and Newsholme, E.A., The role of glutamine in the immune system

and in intestinal function in catabolic states. Amino Acids, 7, 1994, 231-243.
44. Calder, P.C., Glutamine action in cells of the immune system. In: Cynober, L., Furst, P. and Lawin, P., eds. Pharmacological Nutrition-Immune Nutrition, Munich, Zuckschwerdt Verlag, 1995, pp. 10-20.
45. Calder, P.C., Costa-Rosa, L.F.B.P. and Curi, R., Effects of feeding lipids of different fatty acid compositions upon rat lymphocyte proliferation. Life Sciences, 56, 1995, 455-463.
46. Yaqoob, P., Newsholme, E.A. and Calder, P.C., The effect of fatty acids on leucocyte subsets and proliferation in whole blood. Nutrition Research, 15, 1995, 279-287.
47. Yaqoob, P., Newsholme, E.A. and Calder, P.C., Influence of cell culture conditions on diet-induced changes in lymphocyte fatty acid composition. Biochimica et Biophysica Acta, 1255, 1995, 333-340.
48. Yaqoob, P., Sherrington, E.J., Jeffery, N.M., Sanderson, P., Harvey, D.J., Newsholme, E.A. and Calder, P.C., Comparison of the effects of a range of dietary lipids upon serum and tissue lipid composition in the rat. International Journal of Biochemistry and Cell Biology, 27, 1995, 297-310.
49. Calder, P.C., Fuel utilisation by cells of the immune system. Proceedings of the Nutrition Society, 54, 1995, 65-82.
50. Calder, P.C., Fatty acids, dietary lipids and lymphocyte functions. Biochemical Society Transactions, 23, 1995, 302-309.
51. Yaqoob, P. and Calder, P.C., Effects of dietary lipid manipulation upon inflammatory mediator production by murine macrophages. Cellular Immunology, 163, 1995, 120-128.
52. Sanderson, P., Yaqoob, P. and Calder, P.C., Effects of dietary lipid manipulation upon rat spleen lymphocyte functions and the expression of lymphocyte surface molecules. Journal of Nutritional and Environmental Medicine, 5, 1995, 119-132.
53. Berthou, L., Saladin, R., Yaqoob, P., Branellec, D., Calder, P., Fruchart, J-C., Denefle, D., Auwerx, J. and Staels, B., Regulation of rat liver apolipoprotein A-I, apolipoprotein A-II and acyl CoA oxidase gene expression by fibrates and dietary fatty acids. European Journal of Biochemistry, 232, 1995, 179-187.
54. Sanderson, P., Yaqoob, P. and Calder, P.C., Effects of dietary lipid manipulation upon graft vs. host and host vs. graft responses in the rat. Cellular Immunology, 164, 1995, 240-247.
55. Yaqoob, P. and Calder, P.C., The effects of dietary lipid manipulation on the production of murine T-cell-derived cytokines. Cytokine, 7, 1995, 548-553.
56. Calder, P.C., Can n-3 polyunsaturated fatty acids be used as immunomodulatory agents? Biochemical Society Transactions, 24, 1996, 211-220.
57. Jeffery, N.M., Yaqoob, P., Newsholme, E.A. and Calder, P.C., The effects of olive oil upon rat serum lipid levels and lymphocyte functions appear to be due to oleic acid. Annals of Nutrition and Metabolism, 40, 1996, 71-80.
58. Jeffery, N.M., Yaqoob, P., Wiggins, D., Gibbons, G.F., Newsholme, E.A. and Calder, P.C., Characterisation of lipoprotein composition in rats fed different dietary lipids and the effect of lipoproteins upon lymphocyte proliferation. Journal of Nutritional Biochemistry, 7, 1996, 282-292.
59. Calder, P.C., Effects of fatty acids and dietary lipids on cells of the immune system. Proceedings of the Nutrition Society, 55, 1996, 127-150.
60. Jeffery, N.M., Sanderson, P., Sherrington, E.J., Newsholme, E.A. and Calder, P.C., The ratio of n-6 to n-3 polyunsaturated fatty acids in the rat diet alters serum lipid levels and lymphocyte functions. Lipids, 31, 1996, 737-745.
61. Calder, P.C., Sir David Cuthbertson Medal Lecture: Immunomodulatory and anti-inflammatory effects of omega-3 polyunsaturated fatty acids. Proceedings of the Nutrition Society, 55, 1996, 737-774.
62. Calder, P.C., Bioactive lipids in foods. Biochemical Society Transactions, 24, 1996, 815-824.
63. Mirzoeva, O.K., Yaqoob, P., Knox, K.A. and Calder, P.C., Inhibition of ICE-family cysteine proteases rescues murine lymphocytes from lipoxygenase inhibitor-induced apoptosis. FEBS Letters, 396, 1996, 266-270.
64. Mirzoeva, O. and Calder, P.C., Effect of propolis and its components on eicosanoid production during the inflammatory response. Prostaglandins, Leukotrienes and Essential Fatty Acids, 55, 1996, 441-449.
65. Calder, P.C. and Yaqoob, P., N-3 polyunsaturated fatty acids and the immune system. Recent Research Developments in Lipids Research, 1, 1997, 31-61.
66. Jeffery, N.M., Sanderson, P., Newsholme, E.A. and Calder, P.C., Effects of varying the type of saturated fatty acid in the rat diet upon serum lipid levels and spleen lymphocyte functions. Biochimica et Biophysica Acta, 1345, 1997, 223-236.
67. Jeffery, N.M., Cortina, M., Newsholme, E.A. and Calder, P.C., Effects of variations in the proportions of saturated, monounsaturated and polyunsaturated fatty acids in the rat diet upon spleen lymphocyte functions. British Journal of Nutrition, 77, 1997, 805-823.
68. Power, G., Calder, P.C. and Newsholme, E.A., The influence of dietary fatty acids on the activity and metabolic control of peroxisomal carnitine palmitoyltransferase in the liver. Nutrition Research, 17, 1997, 847-860.
69. Cavglieri Felippe, C.R., Calder, P.C., Vecchia, M.G., Campos, M.R., Mancini-Filho, J., Newsholme, E.A. and Curi, R., Fatty acid composition of lymphocytes and macrophages from rats fed fiber-rich diets: a comparison between oat bran- and wheat bran-enriched diets. Lipids, 32, 1997, 587-591.
70. Jeffery, N.M., Newsholme, E.A. and Calder, P.C., The level of polyunsaturated fatty acids and the n-6 to n-3 polyunsaturated fatty acid ratio in the rat diet both affect serum lipid levels and lymphocyte functions. Prostaglandins, Leukotrienes and Essential Fatty Acids, 57, 1997, 149-160.
71. Yaqoob, P. and Calder, P.C., Glutamine requirement of proliferating T lymphocytes. Nutrition, 13, 1997, 646-651.
72. Newsholme, E.A. and Calder, P.C., The proposed role of glutamine in some cells of the immune system and

speculative consequences for the whole animal. Nutrition, 13, 1997, 728-730.
73. Calder, P.C., N-3 polyunsaturated fatty acids and immune cell function. Advances in Enzyme Regulation, 37, 1997, 197-237.
74. Zanotto, F.P., Gouveia, S.M., Simpson, S.J., Raubenheimer, D. and Calder, P.C., Nutritional homeostasis in locusts: is there a mechanism for increased energy expenditure during carbohydrate overfeeding? Journal of Experimental Biology, 200, 1997, 2437-2448.
75. Mirzoeva, O.K., Grishanin, R.N. and Calder, P.C., Antimicrobial action of propolis and some of its components: the effects on growth, membrane potential and motility of bacteria. Microbiology Research, 152, 1997, 239-246.
76. Calder, P.C., N-3 polyunsaturated fatty acids and cytokine production in health and disease. Annals of Nutrition and Metabolism, 41, 1997, 203-234.
77. Calder, P.C., N-3 polyunsaturated fatty acids as pharmacological agents: a fishy tale? Nutrition, 13, 1997, 1002-1004.
78. Sanderson, P., MacPherson, G.G., Jenkins, C.H. and Calder, P.C., Dietary fish oil diminishes the antigen presentation activity of rat dendritic cells. Journal of Leukocyte Biology, 62, 1997, 771-777.
79. Yaqoob, P., Knapper, J., Webb, D., Williams, C., Newsholme, E.A. and Calder, P.C., Effect of olive oil on immune function in middle-aged men. American Journal of Clinical Nutrition, 67, 1998, 129-135.
80. Calder, P.C., Davis, J., Yaqoob, P., Pala, H., Thies, F. and Newsholme, E.A., Dietary fish oil suppresses human colon tumour growth in athymic mice. Clinical Science, 94, 1998, 303-311.
81. Calder, P.C., The anti-inflammatory effect of propolis and its components. Central Association of Bee-Keepers, Kings Lynn, 1998, 14 pp.
82. Calder, P.C. and Deckelbaum, R.J., "New" metabolic pathways and roles for lipids and lipid emulsions. Current Opinions in Clinical Nutrition and Metabolic Care, 1, 1998, 139-141.
83. Calder, P.C., Dietary lipids and the immune system. Nutrition Reviews, 56, 1998, S70-S83.
84. Peterson, L.D., Jeffery, N.M., Thies, F., Sanderson, P., Newsholme, E.A. and Calder, P.C., Eicosapentaenoic and docosahexaenoic acids alter rat spleen leukocyte fatty acid composition and prostaglandin E_2 production but have different effects on lymphocyte functions and cell-mediated immunity. Lipids, 33, 1998, 171-180.
85. Calder, P.C., Immunomodulatory and anti-inflammatory effects of n-3 polyunsaturated fatty acids. Brazilian Journal of Medical and Biological Research, 31, 1998, 467-490.
86. Calder, P.C., Fat chance of immunomodulation. Immunology Today, 19, 1998, 244-247.
87. Jeffery, N.M., Sanderson, P., Newsholme, E.A. and Calder, P.C., Characteristics of lipid and lymphocytes collected from the lymph of rats fed a low fat diet or high fat diets rich in n-6 or n-3 polyunsaturated fatty acids. Nutrition Research, 18, 1998, 299-308.
88. Peterson, L.D., Thies, F., Sanderson, P., Newsholme, E.A. and Calder, P.C., Low levels of eicosapentaenoic and docosahexaenoic acids mimic the effects of fish oil upon rat lymphocytes. Life Sciences, 62, 1998, 2209-2217.
89. Sanderson, P. and Calder, P.C., Dietary fish oil diminishes lymphocyte adhesion to macrophage and endothelial cell monolayers. Immunology, 94, 1998, 79-87.
90. Miles, E.A., and Calder, P.C., Modulation of immune function by dietary fatty acids. Proceedings of the Nutrition Society, 57, 1998, 277-292.
91. Calder, P.C., Dietary fatty acids and the immune system. Polish Journal of Food and Nutrition Science, 7/48, 1998, 362-369.
92. Sanderson, P. and Calder, P.C., Dietary fish oil appears to inhibit the activation of phospholipase C-□ in lymphocytes. Biochimica et Biophysica Acta, 1392, 1998, 300-308.
93. Calder, P.C., N-3 fatty acids and mononuclear phagocyte function. In: Kremer, J.M., ed. Medicinal Fatty Acids, Basel, Birkhauser, 1998, pp. 1-27.
94. Calder, P.C., Parenteral lipid emulsions and immune function. In: Dutot, G., ed., Olive oil: A new lipid concept in parenteral nutrition, Baxter, 1998, pp. 21-29.
95. Yaqoob, P. and Calder, P.C., Cytokine production by human peripheral blood mononuclear cells: differential sensitivity to glutamine availability. Cytokine, 10, 1998, 790-794.
96. Calder, P.C., Dietary fatty acids and the immune system. In: Talwar, G.P., Nath, I., Ganguly, N.K., and Rao, K.V.S., eds. Proceedings of the 10th International Congress of Immunology, Bolgna, Monduzzi Editore, 1998, pp. 813-819.
97. Calder, P.C., Dietary fatty acids and lymphocyte functions. Proceedings of the Nutrition Society, 57, 1998, 487-502.
98. Calder, P.C. and Deckelbaum, R., Dietary lipids: More than just a source of calories. Current Opinion in Clinical Nutrition and Metabolic Care, 2, 1999, 105-107.
99. Sadeghi, S., Wallace, F.A. and Calder, P.C., Dietary lipids modify the cytokine response to bacterial lipopolysaccharide in mice. Immunology, 96, 1999, 404-410.
100. Thies, F., Peterson, L.D., Powell, J.R., Nebe-von-Caron, G., Hurst, T.L, Matthews, K.R., Newsholme, E.A. and Calder, P.C., Manipulation of the type of fat consumed by growing pigs affects plasma and mononuclear cell fatty acid compositions and lymphocyte and phagocyte functions. Journal of Animal Science, 77, 1999, 137-147.
101. Williams, C.M., Francis-Knapper, J.A., Webb, D., Brookes, C.A., Zampelas, A., Tredger, J.A., Wright, J., Meijer, G., Calder, P.C., Yaqoob, P., Roche, H. and Gibney, M.J., Cholesterol reduction using manufactured foods high in monounsaturated fatty acids: a randomized crossover study. British Journal of Nutrition, 81, 1999, 439-446.

102. Kew, S., Yaqoob, P., Wallace, F.A., Miles, E.A. and Calder, P.C., Dietary glutamine enhances murine lymphocyte responsiveness. Journal of Nutrition, 129, 1999, 1524-1531.
103. Peterson, L.D., Thies, F. and Calder, P.C., Dose-dependent effects of dietary □-linolenic acid on rat spleen lymphocyte functions. Prostaglandins Leukotrienes and Essential Fatty Acids, 61, 1999, 19-24.
104. Yaqoob, P., Newsholme, E.A. and Calder, P.C., Comparison of cytokine production in cultures of whole human blood and purified mononuclear cells. Cytokine, 11, 1999, 600-605.
105. Calder, P.C., Dietary fatty acids and the immune system. Lipids, 34, 1999, S137-S140.
106. Wallace, F.A., Yaqoob, P., Miles, E.A. and Calder, P.C., Dietary fat influences the production of Th1- but not Th2-derived cytokines. Lipids, 34, 1999, S141.
107. Wallace, F.A., Miles, E.A. and Calder, P.C., The effect of dietary fat on cytokine production by murine macrophages in different activation states. Lipids, 34, 1999, S145.
108. Miles, E.A., Wallace, F.A. and Calder, P.C., Reduction of scavenger receptor expression and function by dietary fish oil is accompanied by a reduction in scavenger receptor mRNA. Lipids, 34, 1999, S215-216
109. Calder, P. C., and Yaqoob, P., Glutamine and the immune system. Amino Acids, 17, 1999, 221-241.
110. Wells, S.M., Kew, S., Yaqoob, P., Wallace, F.A. and Calder, P.C., Dietary glutamine enhances cytokine production by murine macrophages. Nutrition, 15, 1999, 881-884.
111. Calder, P.C., More good news about glutamine. Nutrition, 16, 2000, 71-73.
112. Wallace, F.A., Neely, S.J., Miles, E.A. and Calder, P.C., Dietary fats affect macrophage-mediated cytotoxicity towards tumour cells. Immunology and Cell Biology, 78, 2000, 40-48.
113. Sanderson, P., Thies, F. and Calder, P.C., Extracellular release of free fatty acids by rat lymphocytes is stimulus-dependent and is affected by dietary lipid manipulation. Cell Biochemistry and Function, 18, 2000, 47-58.
114. Yaqoob, P., Pala, H.S., Cortina-Borja, M., Newsholme, E.A. and Calder, P.C., Encapsulated fish oil enriched in □-tocopherol alters plasma phospholipid and mononuclear cell fatty acid compositions but not mononuclear cell functions. European Journal of Clinical Investigation, 30, 2000, 260-274.
115. Deckelbaum R.J., and Calder, P.C., Lipids in health and disease: quantity, quality and more. Current Opinion in Clinical Nutrition and Metabolic Care, 3, 2000, 93-94.
116. Healy, D.A., Wallace, F.A., Miles, E.A., Calder, P.C. and Newsholme, P., The effect of low to moderate amounts of dietary fish oil on neutrophil lipid composition and function. Lipids, 35, 2000, 763-768.
117. Matthews K.R., Homer, D.B., Thies, F and Calder, P.C., Effect of whole linseed in the diet of finishing pigs on performance, quality and fatty acid composition of various tissues. British Journal of Nutrition, 83, 2000, 637-643.
118. Calder, P.C., Book Review: Eicosanoid Protocols. Quarterly Review of Biology, 75, 2000, 177-178.
119. Calder, P.C. and Yaqoob, P., The level of protein and type of fat in the diet of pregnant rats both affect lymphocyte function in the offspring. Nutrition Research, 20, 2000, 995-1005.
120. Calder, P.C., Dietary nucleic acids and Th1/Th2 balance: a clue to cow's milk allergy? Clinical and Experimental Allergy 30, 2000, 908-911.
121. Calder, P.C. and Jackson, A.A., Undernutrition, infection and immune function. Nutrition Research Reviews, 13, 2000, 3-29.
122. Nishiyama, A., Cavaglieri, C.R., Curi, R. and Calder, P.C., Arachidonic acid-containing phosphatidylcholine inhibits lymphocyte proliferation and decreases interleukin-2 and interferon-□ production from concanavalin A-stimulated rat lymphocytes. Biochimica et Biophysica Acta, 1487, 2000, 50-60.
123. Miles, E.A., Wallace, F.A. and Calder, P.C., Dietary fish oil reduces intercellular adhesion molecule 1 and scavenger receptor expression on murine macrophages. Atherosclerosis, 152, 2000, 43-50.
124. Wallace, F.A., Miles, E.A. and Calder, P.C., Activation state alters the effect of dietary fatty acids on cytokine production by murine macrophages. Cytokine, 12, 2000, 1374-1379.
125. Calder, P.C. and Miles, E.A., Fatty acids and atopic disease. Pediatric Allergy and Immunology, Suppl. 13, 2000, 29-36.
126. Calder, P.C., The effect of dietary fatty acids on the immune response and susceptibility to infection. In: Suskind, R.M. and Tontisirin, K., eds. Nutrition Immunity and Infection in Infants and Children, Philadelphia, Lippincott Williams & Wilkins, 2001, pp. 137-172.
127. Calder, P.C., Omega-3 polyunsaturated fatty acids, inflammation and immunity. In: Hamazaki, T and Okuyama, H., eds. Fatty Acids and Lipids - New Findings. World Review of Nutrition and Dietetics Volume 88, Basel, Karger, 2001, pp. 109-116.
128. Miles, E.A., Thies, F., Wallace, F.A., Powell, J.R., Hirst, T.L., Newsholme, E.A. and Calder, P.C., Influence of age and dietary fish oil on plasma soluble adhesion molecule concentrations. Clinical Science, 100, 2001, 91-100.
129. Calder, P.C., The scientific basis for fish oil supplementation in rheumatoid arthritis. In: Ransley, J.K., Donnelly, J.K. and Read, N.W., eds. Food and Nutritional Supplements - Their Role in Health and Disease , Berlin, Springer Verlag, 2001, 175-197
130. Calder, P.C. and Deckelbaum, R., Fats in the new millenium: more complexity but a better understanding? Current Opinion in Clinical Nutrition and Metabolic Care, 4, 2001, 89-91.
131. Calder, P.C. and Zurier, R.B., Polyunsaturated fatty acids and rheumatoid arthritis. Current Opinion in Clinical Nutrition and Metabolic Care 4, 2001, 115-121.
132. Calder, P.C., More good news about fish oil. Nutrition, 17, 2001, 158-160.
133. Miles, E.A., Wallace, F.A. and Calder, P.C., An olive oil-rich diet reduces scavenger receptor mRNA in murine macrophages. British Journal of Nutrition, 85, 2001, 185-191.
134. Thies, F., Nebe-von-Caron, G., Powell, J.R., Yaqoob, P., Newsholme, E.A. and Calder, P.C., Dietary

supplementation with eicosapentaenoic acid, but not with other long chain n-3 or n-6 polyunsaturated fatty acids, decreases natural killer cell activity in healthy subjects aged > 55 years. American Journal of Clinical Nutrition, 73, 2001, 539-548.
135. Wallace, F.A., Miles, E.A., Evans, C., Stock, T.E., Yaqoob, P. and Calder, P.C., Dietary fatty acids influence the production of Th1- but not Th2-type cytokines. Journal of Leukocyte Biology, 69, 2001, 449-457.
136. Calder, P.C., n-3 Polyunsaturated fatty acids, inflammation and immunity: pouring oil on troubled waters or another fishy tale? Nutrition Research, 21, 2001, 309-341.
137. Calder, P.C., The ratio of n-6 to n-3 fatty acids in the diet: impact on T lymphocyte function. European Journal of Lipid Science and Technology, 103, 2001, 390-398.
138. Thies, F., Nebe-von-Caron, G., Powell, J.R., Yaqoob, P., Newsholme, E.A. and Calder, P.C., Dietary supplementation with □-linolenic acid or fish oil decreases T lymphocyte proliferation in healthy older humans. Journal of Nutrition, 131, 2001, 1918-1927.
139. Calder, P.C., Fatty acid metabolism and eicosanoid synthesis. Clinical Nutrition, 20 (Suppl. 4), 2001, 1-5.
140. Calder, P.C., Polyunsaturated fatty acids, inflammation and immunity. Lipids, 36, 2001, 1007-1024.
141. Thies, F., Miles, E.A., Nebe-von-Caron, G., Powell, J.R., Hurst, T.L., Newsholme, E.A. and Calder, P.C., Influence of dietary supplementation with long chain n-3 or n-6 polyunsaturated fatty acids on blood inflammatory cell populations and functions and on plasma soluble adhesion molecules in healthy adults. Lipids, 36, 2001, 1183-1193.
142. Luostarinen, R.L., Laasonen, K. and Calder, P.C., □-Tocopherol concentrations, lipid peroxidation and superoxide dismutase and glutathione peroxidase activities in rat heart and liver after feeding stabilized and unstabilized fish oil. Nutrition Research, 21, 2001, 1529-1544.
143. Calder, P.C., Nutrition et fonction immunitaire. Nutrition Clinique et Metabolisme, 15, 2001, 286-297.
144. Calder, P.C., Nutrition and the immune system. In: Buttriss, J., ed. Adverse Reactions to Food, Report of the British Nutrition Foundation Task Force, Oxford, Blackwells, 2002, 38-56.
145. Grimm, H. and Calder, P.C., Immunonutrition. British Journal of Nutrition, 87, 2002, S1.
146. Calder, P.C., Conjugated linoleic acid in humans – reasons to be cheerful? Current Opinion in Clinical Nutrition and Metabolic Care, 5, 2002, 123-126.
147. Calder, P.C., Yaqoob, P., Thies, F., Wallace, F.A. and Miles, E.A., Fatty acids and lymphocyte functions. British Journal of Nutrition, 87, 2002, S31-S48.
148. Calder, P.C. and Grimble, R.F., Polyunsaturated fatty acids, inflammation and immunity. European Journal of Clinical Nutrition, 56, 2002, S14-S19.
149. Grimble, R.F., Howell, W.M., O'Reilly, G., Turner, S.J., Markovic, O., Hirrell, S., East, J.M. and Calder, P.C., The ability of fish oil to suppress tumor necrosis factor-□ production by peripheral blood mononuclear cells in healthy men is associated with polymorphisms in genes that influence tumor necrosis factor □ production. American Journal of Clinical Nutrition, 76, 2002, 454-459.
150. Rerkasem, K., Shearman, C.P., Williams, J.A., Morris, G.E., Philllips, M.J., Calder, P.C. and Grimble, R.F., C-reactive protein is elevated in symptomatic compared with asymptomatic patients with carotid artery disease. European Journal of Vascular and Endovascular Surgery, 23, 2002, 505-509.
151. Calder, P.C., Dietary modification of inflammation with lipids. Proceedings of the Nutrition Society, 61, 2002, 345-358.
152. Calder, P.C. and Field, C.J., Fatty acids and the immune system. In: Calder, P.C., Field, C.J. and Gill, H.S., eds. Nutrition and the Immune System, CABI, 2002, 57-92.
153. Calder, P.C. and Newsholme, P., Glutamine and the immune system. In: Calder, P.C., Field, C.J. and Gill, H.S., eds. Nutrition and the Immune System, CABI, 2002, 109-132.
154. Calder, P.C., Fatty acids and gene expression related to inflammation. In: Labadarios, D. and Pichard, C., eds. Clinical Nutrition: Early Intervention, Basel, Karger, 2002, pp. 19-40.
155. Sanderson, P., Finnegan, Y.E., Williams, C.M., Calder, P.C., Burdge, G.C., Wootton, S.A., Griffin, B.A., Millward, D.J., Pegge, N.C. and Bemelmans, W.J.E., UK Food Standards Agency □-linolenic acid workshop report. British Journal of Nutrition, 88, 2002, 573-579.
156. Calder, P.C. and Kew, S., The immune system: a target for functional foods? British Journal of Nutrition, 88, 2002, S165-S176.
157. Howell, W.M., Calder, P.C. and Grimble, R.F., Gene polymorphisms, inflammatory diseases and cancer. Proceedings of the Nutrition Society, 61, 2002, 447-456.
158. Miles, E.A., Allen, E. and Calder, P.C., In vitro effects of eicosanoids derived from different 20-carbon fatty acids on production of monocyte-derived cytokines in human whole blood cultures. Cytokine, 20, 2002, 215-223.
159. Calder, P.C. and Deckelbaum, R.J., Fat as a physiological regulator: the news gets better. Current Opinion in Clinical Nutrition and Metabolic Care, 6, 2003, 127-131.
160. Thies, F., Garry, J.M.C., Yaqoob, P., Rerkasem, K., Williams, J., Shearman, C.P., Gallagher, P.J., Calder, P.C. and Grimble, R.F., Association of n-3 polyunsaturated fatty acids with stability of atherosclerotic plaques: a randomised controlled trial. Lancet, 361, 2003, 477-485.
161. Finnegan, Y.E., Minihane, A.M., Leigh-Firbank, E.C., Kew, S., Meijer, G.W., Muggli, R., Calder, P.C. and Williams, C.M., Plant- and marine-derived n-3 polyunsaturated fatty acids have differential effects on fasting and postprandial blood lipid concentrations and on susceptibility of LDL to oxidative modification in moderately hyperlipidemic subjects. American Journal of Clinical Nutrition, 77, 2003, 783-795.
162. Calder, P.C., Polyunsaturated fatty acids and cytokine profiles: a clue to the changing prevalence of atopy? Clinical and Experimental Allergy, 33, 2003, 412-415.
163. Miles, E.A., Bakewell, L. and Calder, P.C., Production of lymphocyte-derived cytokines by whole umbilical

cord blood cultures stimulated with mitogens and allergens. Cytokine, 21, 2003, 74-83.
164. Calder. P.C., Do □-3 fatty acids ease the way to silent cell death? Nutrition, 19, 2003, 472-473.
165. Wallace, F.A., Miles, E.A. and Calder, P.C., Comparison of the effects of linseed oil and different doses of fish oil on mononuclear cell function in healthy human subjects. British Journal of Nutrition, 89, 2003, 679-689.
166. Calder, P.C. and Yaqoob, P., Cardiovascular benefit of long chain n-3 fatty acids - the evidence gets stronger. Current Topics in Nutraceutical Research, 1, 2003, 105-112.
167. Miles, E.A., Aston, L. and Calder, P.C., In vitro effects of eicosanoids derived from different 20-carbon fatty acids on T helper type 1 and T helper type 2 cytokine production in human whole-blood cultures. Clinical and Experimental Allergy, 33, 2003, 624-632.
168. Kew, S., Banerjee, T., Minihane, A.M., Finnegan, Y.E., Williams, C.M. and Calder, P.C., Relation between the fatty acid composition of peripheral blood mononuclear cells and measures of immune cell function in healthy, free-living subjects aged 25–72 y. American Journal of Clinical Nutrition, 77, 2003, 1278-1286.
169. Kew, S., Banerjee, T., Minihane, A.M., Finnegan, Y.E., Muggli, R., Albers, R., Williams, C.M. and Calder, P.C., Lack of effect of foods enriched with plant- or marine-derived n-3 fatty acids on human immune function. American Journal of Clinical Nutrition, 77, 2003, 1287-1295.
170. Calder, P.C., Long-chain n-3 fatty acids and inflammation: potential application in surgical and trauma patients. Brazilian Journal of Medical and Biological Research, 36, 2003, 433-446.
171. Yaqoob, P. and Calder, P.C., N-3 polyunsaturated fatty acids and plaque stability. www.athero.org/commentaries/comm177.pdf, 2003.
172. Calder, P.C., N-3 polyunsaturated fatty acids and inflammation: from molecular biology to the clinic. Lipids, 38, 2003, 342-352.
173. Finnegan, Y.E., Howarth, D., Minihane, A.M., Kew, S., Miller, G.J., Calder, P.C. and Williams, C.M., Plant and marine derived (n-3) polyunsaturated fatty acids do not affect on blood coagulation and fibrinolytic factors in moderately hyperlipidemic humans. Journal of Nutrition, 133, 2003, 2210-2213.
174. Cavaglieri, C.R., Nishiyama, A., Fernandes, L.C., Curi, R., Miles, E.A. and Calder, P.C., Differential effects of short-chain fatty acids on proliferation and production of pro- and anti-inflammatory cytokines by cultured lymphocytes. Life Sciences, 73, 2003, 1683-1690.
175. Calder, P.C., Immunonutrition. British Medical Journal, 327, 2003, 117-118.
176. Calder, P.C. and Yaqoob, P., Dietary fatty acids and macrophages. In: Gordon, S., ed. The Macrophage as a Therapeutic Target, Berlin, Springer, 2003, 173-192.
177. Burdge, G.C., Delange, E., Dubiois, L., Dunn, R.L., Hanson, M.A., Jackson, A.A. and Calder, P.C., Effect of reduced maternal protein intake in pregnancy in the rat on the fatty acid composition of brain, liver, plasma, kidney, heart and lung phospholipids of the offspring after weaning. British Journal of Nutrition, 90, 2003, 345-352.
178. Trebble, T., Arden, N.K., Stroud, M.A., Wootton, S.A., Burdge, G.C., Miles, E.A., Ballinger, A.B., Thompson R.L. and Calder, P.C., Inhibition of tumour necrosis factor-□ and interleukin-6 production by mononuclear cells following dietary fish-oil supplementation in healthy men and response to antioxidant co-supplementation. British Journal of Nutrition, 90, 2003, 405-412.
179. Yaqoob, P. and Calder, P.C., Nutrition and immune function. In: Zampleni, J. and Daniel, H., eds. Molecular Nutrition, Wallingford, CABI, 2003, 349-367.
180. Calder, P.C., Lipids and the critically ill patient. In: Cynober, L., and Moore, F.A., eds. Nutrition and Critical Care, Basel, Karger, 2003, 75-98.
181. Yaqoob, P., and Calder, P.C., N-3 polyunsaturated fatty acids and inflammation in the arterial wall, European Journal of Medical Research, 8, 2003, 337-354.
182. Trebble, T.M., Wootton, S.A., Miles, E.A., Mullee, M., Arden, N.K., Ballinger, A.B., Stroud, M.A. and Calder, P.C., Prostaglandin E_2 production and T-cell function after fish-oil supplementation: response to antioxidant co-supplementation. American Journal of Clinical Nutrition, 78, 2003, 376-382.
183. Togni, V., Ota, C.C.C., Folador, A., Junior, O.T., Aikawa, J., Yamazaki, R.K., Freitas, F.A., Longo, R., Martins, E.F., Calder, P.C., Curi, R. and Fernandes, L.C., Cancer cachexia and tumor growth reduction in Walker 256 tumor-bearing rats supplemented with n-3 polyunsaturated fatty acids for one generation. Nutrition and Cancer, 46, 2003, 52-58.
184. Calder, P.C., Immunonutrition - Author's reply. British Medical Journal, 327, 2003, 683.
185. Calder, P.C., New evidence in support of the cardiovascular benefit of long-chain n-3 fatty acids. Italian Heart Journal, 4, 2003, 427-429.
186. Gupta, R., Patel, K., Calder, P.C., Yaqoob, P., Primrose, J.N. and Johnson, C.D., A randomised clinical trial to assess the effect of total enteral and total parenteral nutritional support on metabolic, inflammatory and oxidative markers in patients with predicted severe acute pancreatitis (APACHE II $\geq$ 6). Pancreatology, 3, 2003, 406-413.
187. Yaqoob, P. and Calder, P.C., The immune and inflammatory systems. In: Gibney, M.J., Macdonald, I.A. and Roche, H.M., eds. Nutrition and Metabolism (The Nutrition Society Textbook Series), Oxford, Blackwells, 2003, 284-306.
188. Calder, P.C. and Yaqoob, P., Amino acids and immune function. In: Cynober, L., ed. Metabolic and Therapeutic Aspects of Amino Acids in Clinical Nutrition, Boca Raton, CRC Press, 2003, 305-320.
189. Kew, S., Gibbons, E.S., Thies, F., McNeill, G.P., Quinlan, P.T. and Calder, P.C., The effect of feeding structured triacylglycerols enriched in eicosapentaenoic or docosahexaenoic acids on murine splenocyte fatty acid composition and leukocyte phagocytosis. British Journal of Nutrition, 90, 2003, 1071-1080.
190. Calder, P.C., Acidos grasos poliinsaturados, inflamacion e immunidad. In: Marcos, A., ed. Actualizacion en Nutricion, Immunidad e Infeccion, Madrid, Medica Panamerica, 2003, 31-39.

191. Kew, S., Wells, S., Thies, F., McNeill, G.P., Quinlan, P.T., Clark, G.T., Dombrowsky, H., Postle A.D., and Calder P.C., The effect of eicosapentaenoic acid on rat lymphocyte proliferation depends upon its position in dietary triacylglycerols. Journal of Nutrition, 133, 2003, 4230-4238.
192. Dunstan, J.A., Mori, T.A., Barden, A., Beilin, L.J., Holt, P.G., Calder, P.C., Taylor, A.L. and Prescott, S.L., The effects of n-3 polyunsaturated fatty acid supplementation in pregnancy on maternal and fetal erythrocyte fatty acid composition. European Journal of Clinical Nutrition, 58, 2004, 429-437.
193. Sanderson, P., Olthof, M., Grimble, R.F., Calder, P.C., Griffin, B.A., de Roos, N.M., Belch, J.J.F., Muller, D.P.R. and Vita, J.A., Dietary lipids and vascular function: UK Foods Standards Agency Workshop Report. British Journal of Nutrition, 91, 2004, 491-500.
194. Roynette, C.E., Calder, P.C., Dupertuis, Y.D. and Pichard, C., N-3 polyunsaturated fatty acids and colon cancer prevention. Clinical Nutrition, 23, 2004, 139-151.
195. Burdge, G.C., Lupoli, B., Russell, J.J., Tricon, S., Kew, S., Banerjee, T., Shingfield, K.J., Beever, D.E., Grimble, R.F., Williams, C.M., Yaqoob, P. and Calder, P.C. Incorporation of cis-9, trans-11 or trans-10, cis-12 conjugated linoleic acid into plasma and cellular lipids in healthy men. Journal of Lipid Research, 45, 2004, 736-741.
196. Deckelbaum, R.J., Calder, P.C. and Carpentier, Y.A., Using different intravenous lipids: underutilized therapeutic approaches? Current Opinion in Clinical Nutrition and Metabolic Care, 7, 2004, 113-115.
197. Prescott, S.L. and Calder, P.C., N-3 polyunsaturated fatty acids and allergic disease. Current Opinion in Clinical Nutrition and Metabolic Care, 7, 2004, 123-129.
198. Miles, E.A., Banerjee, T. and Calder, P.C., The influence of different combinations of □-linolenic, stearidonic and eicosapentaenoic acids on the fatty acid composition of blood lipids and mononuclear cells in human volunteers. Prostaglandins Leukotrienes and Essential Fatty acids, 70, 2004, 529-538.
199. Trebble, T.M., Wootton, S.A., Stroud, M.A., Mullee, M.A., Calder, P.C., Fine, D.R., Moniz, C. and Arden, N.K., Laboratory markers predict bone loss in Crohn's disease: relationship to blood mononuclear cell function and nutritional status. Alimentary Pharmacology and Therapeutics, 19, 2004, 1063-1071.
200. Morgan, A.R., Rerkasem, K., Gallagher, P.J., Zhang, B., Morris, G.E., Calder, P.C., Grimble, R.F., Eriksson, P., McPheat, W.L., Shearman, C.P. and Ye, S., Differences in matrix metalloproteinase-1 and -12 transcript levels among carotid atherosclerotic plaques with different histopathological characteristics. Stroke, 39, 2004, 1310-1215.
201. Miles, E.A., Banerjee, T., Dooper, M.W.B.W., M'Rabet, L., Graus, Y.M.F and Calder, P.C., The influence of different combinations of □-linolenic acid, stearidonic acid and EPA on immune function in healthy young male subjects. British Journal of Nutrition, 91, 2004, 893-903.
202. Calder, P.C., Polyunsaturated fatty acids and inflammation. Oleagineux Corps Gras Lipides, 11, 2004, 38-45.
203. Calder, P.C., N-3 fatty acids and cardiovascular disease: evidence explained and mechanisms explored. Clinical Science, 107, 2004, 1-11.
204. Cummings, J.H., Antoine, J-M., Aspiroz, F., Bourdet-Sicard, R., Brandtzaeg, P., Calder, P.C., Gibson, G.R., Guarner, F., Isolauri, E., Pannemans, D., Shortt, C., Tuijtelaars, S. and Watzl, B., PASSCLAIM – Gut health and immunity. European Journal of Nutrition, 43 (Suppl. 2), 2004, 118-173.
205. Calder, P.C., Dietary lipids and immune function. In: Remacle, C., Reusens, B., eds. Functional Foods, Ageing and Degenerative Disease, Woodhead Publishing, 2004, 349-393.
206. Trebble, T.M., Arden, N.K., Wootton, S.A., Mullee, M.A., Calder, P.C., Burdge, G.C., Fine, D.R. and Stroud, M.A., Peripheral blood mononuclear cell fatty acid composition and inflammatory mediator production in adult Crohn's Disease. Clinical Nutrition, 23, 2004, 647-655.
207. Tricon, S., Burdge, G.C., Kew, S., Banerjee, T., Russell, J.J., Grimble, R.F., Williams, C.M., Yaqoob, Y. and Calder, P.C., Opposing effects of cis-9,trans-11 and trans-10,cis-12 conjugated linoleic acid on blood lipids in healthy humans. American Journal of Clinical Nutrition, 80, 2004, 614-620.
208. Jackson, A.A. and Calder, P.C., Severe undernutrition and immunity. In: Gershwin, M.E., Nestle, P. and Keen, C.L., eds. Handbook of Nutrition and Immunity, Humana Press, 2004, 71-106.
209. Calder, P.C. and Burdge, G.C., Fatty Acids. In: Nicolaou, A., and Kafatos, G., eds. Bioactive Lipids, The Oily Press, 2004, 1-36.
210. Newson, R.B., Shaheen, S.O., Henderson, A.J., Emmett, P.M., Sherriff, A., Calder, P.C. and the ALSPAC Study Team, Umbilical cord and maternal blood red cell fatty acids and early childhood wheezing and eczema. Journal of Allergy and Clinical Immunology, 114, 2004, 531-537.
211. Markovic, O., O'Reilly, G., Fussell, H.M., Turner, S.J., Calder, P.C., Howell, W.M. and Grimble, R.F., Role of single nucleotide polymorphisms of pro-inflammatory cytokine genes in the relationship between serum lipids and inflammatory parameters, and the lipid-lowering effect of fish oil in healthy males. Clinical Nutrition, 23, 2004, 1084-1095.
212. Calder, P.C., Polyunsaturated fatty acids and inflammation. In: Chandra, R.K., ed. Nutrition and Immunology in the 21st Century, Tsar Press, 2004, 101-121.
213. Elmes, M., Tew, P., Cheng, Z., Kirkup, S.E., Abayasekara, D.R.E., Calder, P.C., Hanson, M.A., Wathes, D.C. and Burdge, G.C., The effect of dietary supplementation with linoleic acid on late gestation ewes on the fatty acid composition of maternal and fetal plasma and tissues and the synthetic capacity of the placenta for 2-series prostaglandins. Biochimica et Biophysica Acta Molecular & Cell Biology of Lipids,1686, 2004, 139-147.
214. Trebble, T.M., Arden, N.K., Wootton, S.A., Calder, P.C., Mullee, M., Fine, D.R. and Stroud, M.A., Fish oil and antioxidants alter the composition and function of circulating mononuclear cells in Crohn's disease. American Journal of Clinical Nutrition, 80, 2004, 1137-1144.
215. Calder, P.C., N-3 fatty acids and cardiovascular disease: further evidence and insights. Nutrition Research, 24, 2004, 761-772.

216. Tricon, S., Burdge, G.C., Kew, S., Banerjee, T., Russell, J.J., Grimble, R.F., Williams, C.M., Calder, P.C. and Yaqoob, P. Effects of cis-9,trans-11 and trans-10,cis-12 conjugated linoleic acid on immune cell function in healthy humans. American Journal of Clinical Nutrition, 80, 2004, 1626-1633.
217. Calder, P.C., Omega-3 fatty acids: a matter of the heart. Complete Nutrition – Primary Care Review, 3(1), 2004, 21.
218. Calder, P.C., ISSFAL 2004. Lipids, 39, 2004, 1043.
219. Calder, P.C., N-3 fatty acids, inflammation and immunity – relevance to postsurgical and critically ill patients. Lipids, 39, 2004, 1147-1161.
220. Bonatto, S.J.R., Folador, A., Aikawa, J., Yamazaki, R.K., Pizatto, N., Oliveira, H.H.P., Vecchi, R., Curi, R., Calder, P.C. and Fernandes, L.C., Lifelong exposure to dietary fish oil alters macrophage responses in Walker 256 tumor-bearing rats. Cellular Immunology, 231, 2004, 56-62.
221. Rerkaem, K., Shearman, C., Garry, J., Yaqoob, P., Grimble, R. and Calder, P.C., Effect of type of anaesthesis during carotid endarterectomy on plasma levels of interleukin-6 and interleukin-10. Journal of the Thai Vascular Society, 1, 2004, 22-25.
222. Burdge, G.C., Derrick, P.R., Russell, J.J., Tricon, S., Kew, S., Banerjee, T., Grimble, R.F., Williams, C.M., Yaqoob, P. and Calder, P.C., Incorporation of cis-9, trans-11 or trans-10, cis-12 conjugated linoleic acid into human erythrocytes in vivo. Nutrition Research, 25, 2005, 13-19.
223. Bouriche, H., Miles, E.A., Selloum, L. and Calder, P.C., Effect of Cleome arabica leaf extract, rutin and quercetin on soybean lipoxygenase activity and on generation of inflammatory eicosanoids by human neutrophils. Prostaglandins Leukotrienes and Essential Fatty Acids, 72, 2005, 195-201.
224. Burdge, G.C. and Calder, P.C., Plasma cytokine response during the postprandial period: a potential causal process in vascular disease? British Journal of Nutrition, 93, 2005, 3-9.
225. Deckelbaum, R.J. and Calder, P.C., Lipids: how do we convert experimental data to policy? Current Opinion in Clinical Nutrition and Metabolic Care, 8, 2005, 113-114.
226. Cawood, A.L., Carroll, M.P., Wootton, S.A. and Calder, P.C., Is there a case for n-3 fatty acid supplementation in cystic fibrosis? Current Opinion in Clinical Nutrition and Metabolic Care, 8, 2005, 153-159.
227. Miles, E.A., Zoubouli, P. and Calder, P.C., Differential anti-inflammatory effects of phenolic compounds from extra virgin olive oil identified in human whole blood cultures. Nutrition, 21, 2005, 389-394.
228. Calder, P.C., Polyunsaturated fatty acids and inflammation. Biochemical Society Transactions, 33, 2005, 423-427.
229. Tricon, S., Burdge, G.C., Williams, C.M., Calder, P.C. and Yaqoob, P., The effects of conjugated linoleic acid on human health-related outcomes. Proceedings of the Nutrition Society, 64, 2005, 171-182.
230. Burdge, G.C. and Calder, P.C., □-Linolenic acid metabolism in adult humans: the effects of gender and age on conversion to longer-chain polyunsaturated fatty acids. European Journal of Lipid Science and Technology, 107, 2005, 426-439.
231. Ruxton, C.H.S., Calder, P.C., Reed, S.C. and Simpson, M.J.A., The impact of long-chain n-3 polyunsaturated fatty acids on human health. Nutrition Research Reviews, 18, 2005, 113-129.
232. Jones, E.L., Shingfield, K.J., Kohen, C., Jones, A.K., Lupoli, B., Grandison, A.S., Beever, D.E., Williams, C.M., Calder, P.C. and Yaqoob, P., Chemical, physical, and sensory properties of dairy products enriched in conjugated linoleic acid. Journal of Dairy Science, 88, 2005, 2923-2937.
233. Burdge, G.C., Tricon, S., Morgan, R., Kliem, K.E., Childs, C., Jones, E., Russell, J.J., Grimble, R.F., Williams, C.M., Yaqoob, P. and Calder, P.C., Incorporation of cis-9, trans-11 conjugated linoleic acid and vaccenic acid (trans-11 18:1) into plasma and leukocyte lipids in healthy men consuming dairy products naturally enriched in these fatty acids. British Journal of Nutrition, 94, 2005, 237-243.
234. Trebble, T.M., Stroud, M.A., Wootton, S.A., Calder, P.C., Fine, D.R., Mullee, M.A., Moniz, C. and Arden, N.K., High-dose fish oil and antioxidants in Crohn's disease and the response of bone turnover: a randomized controlled trial. British Journal of Nutrition, 94, 2005, 253-261.
235. Albers, R., Antoine, J-M., Bourdet-Sicard, R., Calder, P.C., Gleeson, M., Lesourd, B., Samartin, S., Sanderson, I.R., van Loo, J., vas Dias, F.W. and Watzl, B., Markers to measure immunomodulation in human nutrition intervention studies. British Journal of Nutrition, 94, 2005, 452-481.
236. Miles, E.A., Zoubouli, P. and Calder, P.C., Effects of polyphenols on human Th1 and Th2 cytokine production. Clinical Nutrition, 24, 2005, 780-784.
237. Burdge, G.C. and Calder, P.C., Conversion of □-linolenic acid to longer-chain polyunsaturated fatty acids in human adults. Reproduction Nutrition and Development, 45, 2005, 581-597.
238. Pizato, N., Bonatto, S., Yamazaki, R.K., Aikawa, J., Nogata, C., Mund, R.C., Nunes, E.A., Piconcelli, M., Naliwaiko, K., Curi, R., Calder, P.C. and Fernandes, L.C., Ratio of n-6 to n-3 fatty acids in the diet affects tumor growth and cachexia in Walker 256 tumor-bearing rats. Nutrition and Cancer, 53, 2005, 194-201.
239. Calder, P.C., Branched-chain amino acids and immunity. Journal of Nutrition, 136, 2006, 288S-293S.
240. Calder, P.C., Carpe diem. British Journal of Nutrition, 95, 2006, 1-4.
241. Calder, P.C., Abnormal fatty acid profiles occur in atopic dermatitis but what do they mean? Clinical and Experimental Allergy, 36, 2006, 138-141.
242. Rees, D., Miles, E.A., Banerjee, T., Wells, S.J., Roynette, C.E., Wahle, K.W.J.W. and Calder, P.C., Dose-related effects of eicosapentaenoic acid on innate immune function in healthy humans: a comparison of young and older men. American Journal of Clinical Nutrition, 83, 2006, 331-42.
243. Calder, P.C. and Deckelbaum, R.J., CD36: taste the difference? Current Opinion in Clinical Nutrition and Metabolic Care, 9, 2006, 77-78.
244. Yaqoob, P., Tricon, S., Burdge, G.C. and Calder, P.C., Conjugated linoleic acids (CLAs) and health. In: Williams, C.M. and Buttriss, J., eds. Improving the Fat Content of Foods, Woodhead Publishing/CRC Press,

Cambridge, 2006, 182-209.

245. Grimble, R.F., Calder, P.C., Gallagher, P.J., Garry, J., Howell, W.M., Rerkasem, K., Shearman, C.P., Thies, F. and Williams, J., Association of pro- and anti-inflammatory cytokine genotypes with the response of advanced atherosclerotic plaque composition to dietary n-3 and n-6 polyunsaturated fatty acid supplementation. In: Teale, M.C., ed. Omega-3 Fatty Acid Research, Nova Science Publishers, New York, 2006, 65-82.
246. Pizato, N., Bonatto, S., Piconcelli, M., de Souza, L.M., Sassaki, G.L., Naliwaiko, K., Nunes, E.A., Curi, R., Calder, P.C. and Fernandes, L.C., Fish oil alters T-lymphocyte proliferation and macrophages responses in Walker 256 tumor-bearing rats. Nutrition, 22, 2006, 425-432.
247. Burdge, G.C. and Calder, P.C., Lipid metabolism: relevance to developmental origins of health and disease. In: Gluckman, P. and Hanson, M., eds. Developmental origins of health and disease, Cambridge University Press, Cambridge, 2006, 159-177.
248. Tricon, S., Burdge, G.C., Jones, E.L., Russell, J.J., El-Khazen, S., Moretti, E., Hall, W.L., Gerry, A.B., Leake, D.S., Grimble. R.F., Williams. C.M., Calder, P.C. and Yaqoob, P., Effects of dairy products naturally enriched with cis-9,trans-11 conjugated linoleic acid on the blood lipid profile in healthy middle-aged men. American Journal of Clinical Nutrition, 83, 2006, 744-753.
249. Miles, E.A., Banerjee, T., Wells, S.J. and Calder, P.C., Limited effect of eicosapentaenoic acid on T-lymphocyte and natural killer cell numbers and functions in healthy young males. Nutrition, 22, 2006, 512-519.
250. Yaqoob, P., Tricon, S., Williams, C.M., Grimble, R.F., Burdge, G.C. & Calder, P.C., Conjugated linoleic acid and human health-related outcomes. Nutrition Bulletin, 31, 2006, 93-99.
251. Calder, P.C., N-3 polyunsaturated fatty acids, inflammation, and inflammatory diseases. American Journal of Clinical Nutrition, 83, 2006, 1505S-1519S.
252. Burdge, G.C. and Calder, P.C., Dietary □-linolenic acid and health-related outcomes: a metabolic perspective. Nutrition Research Reviews, 19, 2006, 26-52.
253. Calder, P.C., The British Journal of Nutrition, an international journal that continues to develop. British Journal of Nutrition, 96, 2006, 1-3.
254. Bakewell, L., Burdge, G.C. and Calder, P.C., Polyunsaturated fatty acid concentrations in young men and women consuming their habitual diets. British Journal of Nutrition, 96, 2006, 93-99.
255. Miles, E.A., Banerjee, T. and Calder, P.C., Self-reported health problems in young male subjects supplementing their diet with oils rich in eicosapentaenoic,□□-linoleinic and stearidonic acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 75, 2006, 57-60.
256. Burdge, G.C., Powell, J. and Calder, P.C., Lack of effect of meal fatty acid composition on postprandial lipid, glucose and insulin responses in men and women aged 50-65 years consuming their habitual diets. British Journal of Nutrition, 96, 2006, 489-500.
257. Calder, P.C., Use of fish oil in parenteral nutrition: rationale and reality. Proceedings of the Nutrition Society, 65, 2006, 264-277.
258. Tricon, S., Willers, S., Smit, H.A., Burney, P.G., Devereux, G., Frew, A.J., Halken, S., Host, A., Shaheen, S., Warner, J.O. and Calder, P.C., Nutrition and allergic disease. Clinical and Experimental Allergy Reviews, 6, 2006, 117-188.
259. Calder, P.C., Polyunsaturated fatty acids and inflammation. Prostaglandins Leukotrienes and Essential Fatty Acids 75, 2006, 197-202.
260. Burdge, G.C. and Calder, P.C., Differences in maternal protein intake in pregnant rats alone alter the docosahexaenoic acid concentration in the fetal and adult offspring. Metabolism, 55, 2006, 1429.
261. Calder, P.C., Krauss-Etschmann, S., de Jong, E.C., Dupont, C., Frick, J-S., Frokiaer, H., Garn, H., Koletzko, S., Lack, G., Mattelio, G., Renz, H., Sangild, P.T., Schrezenmeir, J., Stulnig, T.M., Thymann, T., Wold, A.E. and Koletzko, B., Workshop Report: Early nutrition and immunity – progress and perspectives. British Journal of Nutrition, 96, 2006, 774-790.
262. Calder, P.C., Long-chain polyunsaturated fatty acids and inflammation. Scandinavian Journal of Food & Nutrition, 50 (Suppl 2), 2006, 54-61
263. Calder, P.C., Floruit floreat. British Journal of Nutrition, 97, 2007, 1-3.
264. Calder, P.C., Polyunsaturated fatty acids alter the rules of engagement. Future Lipidology, 2, 2007, 27-30.
265. Sala-Vila, A., Barbosa, V.M. and Calder, P.C., Olive oil in parenteral nutrition. Current Opinion in Clinical Nutrition and Metabolic Care, 10, 2007, 165-174.
266. Mund, R.C., Pizato, N., Bonatto, S., Nunes, E.A., Vicenzi, T., Tanhoffer, R., de Oliveira, H.H.P., Curi, R., Calder, P.C. and Fernandes, L.C., Decreased tumor growth in Walker 256 tumor-bearing rats chronically supplemented with fish oil involves COX-2 and PGE2 reduction associated with apoptosis and increased peroxidation. Prostaglandins, Leukotrienes and Essential Fatty Acids 76, 2007, 113-120.
267. Calder, P.C. and Yaqoob, P., Lipid rafts – Composition, characterization and controversies. Journal of Nutrition, 137, 2007, 545-547.
268. Calder, P.C., Immunological parameters: What do they mean? Journal of Nutrition, 137, 2007, 773S-780S.
269. Sijben, J.W.C. and Calder, P.C., Differential immunomodulation with long-chain n-3 PUFA in health and disease. Proceedings of the Nutrition Society, 66, 2007, 237-259.
270. Wanten, G.J.A. and Calder, P.C., Immune modulation by parenteral lipid emulsions. American Journal of Clinical Nutrition, 85, 2007, 1171-1184.
271. Fuhrmann, H., Miles, E.A., West, A.L. and Calder, P.C., Membrane fatty acids, oxidative burst and phagocytosis after enrichment of P388D1 monocyte/macrophages with essential 18-carbon fatty acids. Annals of Nutrition and Metabolism, 51, 2007, 155-162.
272. Cazzola, R., Russo-Volpe, S., Miles, E.A., Rees, D., Banerjee, T., Roynette, C.E., Wells, S.J., Goua, M.,

Wahle, K.W.J., Calder, P.C. and Cestaro, B., Age- and dose-dependent effects of an eicosapentaenoic acid-rich oil on cardiovascular risk factors in healthy male subjects. Atherosclerosis, 193, 2007, 159-167.

273. Calder, P.C., Dimitriadis, G. and Newsholme, P., Glucose metabolism in lymphoid and inflammatory cells and tissues. Current Opinion in Clinical Nutrition and Metabolic Care, 10, 2007, 531-540.
274. Calder, P.C., Efectos antiinflamatorios y de establizacion de le placa de atheroma de los acidos grasos amega-3. Medicina Clinica Monografias, 8 (3), 2007, 25-30.
275. Luu, N.T., Madden, J., Calder, P.C., Grimble, R.F., Shearman, C.P., Chan, T., Tull, S.P., Dastur, N., Rainger, G.E. and Nash, G.B., Comparison of the pro-inflammatory potential of monocytes from healthy adults and those with peripheral arterial disease using an in vitro culture model. Atherosclerosis, 193, 2007, 259-268.
276. Diakogiannaki, E., Dhayal, S., Childs, C.E., Calder, P.C., Welters, H.J. and Morgan, N.G., Mechanisms involved in the cytotoxic and cytoprotective actions of saturated versus monounsaturated long-chain fatty acids in pancreatic □-cells. Journal of Endocrinology, 194, 2007, 283-291.
277. Calder, P.C., Prescott, S. and Caplan, M., Scientific review: The role of nutrients in immune function of infants and young children. Mead Johnson & Company, 2007.
278. Madden, J., Brunner, A., Dastur, N., Tan, R.M., Nash, G.B., Rainger, G.E., Shearman, C.P., Calder, P.C. and Grimble, R.F., Fish oil induced increase in walking distance, but not ankle brachial pressure index, in peripheral arterial disease is dependent on both body mass index and inflammatory genotype. Prostaglandins Leukotrienes and Essential Fatty Acids, 76, 2007, 331-340.
279. Calder, P.C., Happy Birthday BJN! British Journal of Nutrition, 98, 2007, 447-450.
280. Calder, P.C., Dietary arachidonic acid: harmful, harmless or helpful? British Journal of Nutrition, 98, 2007, 451-453.
281. Burdge, G.C., Sala-Vila, A., West, A.L., Robson, H.J.L., Wilkinson Le Fevre, L., Powell, J. and Calder, P.C., The effect of altering the 20:5n-3 and 22:6n-3 content of a meal on the postprandial incorporation of n-3 polyunsaturated fatty acids into plasma triacylglycerol and non-esterified fatty acids in humans. Prostaglandins Leukotrienes and Essential Fatty Acids, 77, 2007, 59-65.
282. Marcos, A. and Calder, P.C., Introduction: First International Immunonutrition Workshop. British Journal of Nutrition, 98, 2007, S1-S2.
283. Yaqoob, P. and Calder, P.C., Fatty acids and immune function: new insights into mechanisms. British Journal of Nutrition, 98, 2007, S41-S45.
284. Calder, P.C., Immunonutrition in surgical and critically ill patients. British Journal of Nutrition, 98, 2007, S133-S139.
285. Calder, P.C., Immunomodulation by omega-3 fatty acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 77, 2007, 327-335.
286. Stanley, J.C., Elsom, R.L., Calder, P.C., Griffin, B.A., Harris, W.S., Jebb, S.A., Lovegrove, J.A., Moore, C.S., Riemersma, R.A. and Sanders, T.A.B., UK Food Standards Agency Workshop Report: the effects of the dietary n-6:n-3 fatty acid ratio on cardiovascular health. British Journal of Nutrition, 98, 2007, 1305-1310.
287. Luu, N-T., Madden, J., Calder, P.C., Grimble, R.F., Shearman, C.P., Chan, T., Dastur, N., Howell, W.M., Rainger, G.E. and Nash, G.B., Dietary supplementation with fish oil modifies the ability of human monocytes to induce an inflammatory response. Journal of Nutrition, 137, 2007, 2769-2774.
288. Burdge, G.C., Slater-Jefferies, J.L., Grant, R.A., Chung, W-S., West, A.L., Lillycrop, K.A., Hanson, M.A. and Calder, P.C., Sex, but not maternal protein or folic acid intake, determines the fatty acid composition of hepatic phospholipids, but not of triacylglycerol, in adult rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 78, 2008, 73-79.
289. Miles, E.A., Rees, D., Banerjee, T., Cazzola, R., Lewis, C., Wood, R., Oates, R., Tallant, A., Cestaro, B., Yaqoob, P., Wahle, K.W.J. and Calder, P.C., Age-related increases in circulating inflammatory markers in men are independent of BMI, blood pressure and blood lipid concentrations. Atherosclerosis, 196, 2008, 298-305.
290. Calder, P.C., Increasing transparency in the British Journal of Nutrition. British Journal of Nutrition, 99, 2008, 217-218.
291. Childs, C.E., Romeu-Nadal, M., Burdge, G.C. and Calder, P.C., Gender differences in the n-3 fatty acid content of tissues. Proceedings of the Nutrition Society, 67, 2008, 19-27.
292. Calder, P.C. and Deckelbaum, R.J., Omega-3 fatty acids: time to get the messages right! Current Opinion in Clinical Nutrition and Metabolic Care, 11, 2008, 91-93.
293. Yusof, H.M., Miles, E.A. and Calder, P.C., Influence of very long-chain n-3 fatty acids on plasmas markers of inflammation in middle-aqed men. Prostaglandins Leukotrienes and Essential Fatty Acids, 78, 2008, 219-228.
294. Calder, P.C., Controversies in clinical nutrition: omega-3 fatty acids in parenteral nutrition. Nutritional Therapy & Metabolism, 26, 2008, 15-22.
295. Madden, J., Carrero, J.J., Brunner, A., Dastur, N., Shearman, C.P., Calder, P.C. and Grimble, R.F., Polymorphisms in the CD36 gene modulate the ability of fish oil supplements to lower fasting plasma triacyl glycerol and raise HDL cholesterol concentrations in healthy middle-aged men. Prostaglandins Leukotrienes and Essential Fatty Acids, 78, 2008, 327-335.
296. Sala-Vila, A., Miles, E.A. and Calder, P.C., Fatty acid composition abnormalities in atopic disease: evidence explored and role in the disease process examined. Clinical and Experimental Allergy, 38, 2008, 1432-1450.
297. Calder, P.C., Polyunsaturated fatty acids, inflammatory processes and inflammatory bowel diseases. Molecular Nutrition and Food Research, 52, 2008, 885-897.
298. Calder, P.C., Record citations in 2007, but impact factor slips. British Journal of Nutrition, 100, 2008, 687-689.
299. Caslake, M.J., Miles, E.A., Kofler, B.M., Lietz, G., Curtis, P., Armah, C.K., Kimber, A.C., Grew, J.P., Farrell, L., Stannard, J., Napper, F.L., Sala-Vila, A., West, A.L., Mathers, J.C., Packard, C., Williams, C.M., Calder, P.C.

and Minihane, A.M., Effect of sex and genotype on cardiovascular biomarker response to fish oils: the FINGEN Study. American Journal of Clinical Nutrition, 88, 2008, 618-629.

300. Calder, P.C., PUFA, inflammatory processes and rheumatoid arthritis. Proceedings of the Nutrition Society, 67, 2008, 409-418.
301. Calder, P.C., Danone Chair Monograph: Omega-3 Fatty Acids – The Good oil? Institut Danone, Brussels, 2008.
302. Calder, P.C., The relationship between the fatty acid composition of immune cells and their function. Prostaglandins Leukotrienes and Essential Fatty Acids, 79, 2008, 101-108.
303. Rerkasem, K., Gallagher, P.J., Grimble, R.F., Calder, P.C. and Shearman, C.P., Managing hypercholesterolemia and its correlation with carotid plaque morphology in patients undergoing carotid endarterectomy. Vascular Health and Risk Management, 4, 2008, 1259-1264.
304. Calder, P.C., Omega-3-Fettsauren. Schweizer Zeitscrift fur Ernahrungsmedizin, 5, 2008, 23-28. REPUBLISHED IN ARS Medici, 4, 2009, 159-164.
305. Calder, P.C., BJN to publish more issues and more papers in 2009. British Journal of Nutrition, 101, 2009, 1.
306. Damsgaard, C.T., Lauritzen, L., Calder, P.C., Kjær, T.M. and Frøkiær, H., Whole-blood culture is a valid low-cost method to measure monocytic cytokines - A comparison of cytokine production in cultures of human whole-blood, mononuclear cells and monocytes. Journal of Immunological Methods, 340, 2009, 95-101.
307. Lomax, A.R. and Calder, P.C., Prebiotics, immune function, infection and inflammation: a review of the evidence. British Journal of Nutrition, 101, 2009, 633-658.
308. Calder, P.C., Who should be an author? British Journal of Nutrition, 101, 2009, 775.
309. Thienprasert, A., Samuhaseneetoo, S., Popplestone, K., West, A.L., Miles, E.A. and Calder, P.C., Fish oil n-3 polyunsaturated fatty acids selectively affect plasma cytokines and decrease illness in Thai schoolchildren: a randomized, double-blind, placebo-controlled intervention trial. Journal of Pediatrics, 154, 2009, 391-395.
310. Calder, P.C., The use of n-3 polyunsaturated Fatty Acids as therapeutic agents for inflammatory conditions. Immunology, Endocrine & Metabolic Agents in Medicinal Chemistry, 9, 2009, 45-54.
311. Lomax, A.R. and Calder, P.C., Probiotics, immune function, infection and inflammation: a review of the evidence from studies conducted in humans. Current Pharmaceutical Design, 15, 2009, 1428-1518.
312. Madden, J., Shearman, C.P., Dunn, R.L., Dastur, N.D., Tan, R.M., Nash, G.B., Rainger, G.E., Brunner, A., Calder, P.C. and Grimble, R.F., Altered monocyte CD44 expression in peripheral arterial disease is corrected by fish oil supplementation. Nutrition and Metabolism in Cardiovascular Disease, 19, 2009, 247-252.
313. Calder, P.C., Polyunsaturated fatty acids and inflammatory processes: new twists in an old tale. Biochimie, 91, 2009, 791-795.
314. Calder, P.C. and Yaqoob, P., Omega-3 polyunsaturated fatty acids and human health outcomes. Biofactors, 35, 2009, 266-272.
315. Calder, P.C. and Yaqoob, P., Update on omega-3 fatty acids and cardiovascular disease. Cardiovascular Risk Abstracts, Summer, 2009, 2-8.
316. Damsgaard, C.T., Lauritzen, L., Calder, P.C., Kjaer, T.R. and Frokiaer, H., Reduced ex vivo interleukin-6 production by dietary fish oil is not modified by linoleic acid intake in healthy men. Journal of Nutrition, 139, 2009, 1410-1414.
317. Calder, P.C., Participating in peer review is both a privilege and a professional duty. British Journal of Nutrition, 102, 2009, 1-2.
318. Burdge, G.C., Powell, J., Dadd, T., Talbot, D., Civil, J. and Calder, P.C., Acute consumption of fish oil improves postprandial VLDL profiles in healthy men aged 50-65 years. British Journal of Nutrition, 102, 2009, 160-165.
319. Calder, P.C., Albers, R., Antoine, J.M., Blum, S., Bourdet-Sicard, R., Ferns, G.A., Folkerts, G., Friedmann, P.S., Frost, G.S., Guarner, F., Løvik, M., Macfarlane, S., Meyer, P.D., M'Rabet, L., Serafini, M., van Eden, W., van Loo, J., Vas Dias, W., Vidry, S., Winklhofer-Roob, B.M. and Zhao, J., Inflammatory disease processes and interactions with nutrition. British Journal of Nutrition, 101, 2009, S1-S45.
320. Calder, P.C., Early life programming of immune and lung function: can we now exclude a role of arachidonic acid exposure? British Journal of Nutrition, 102, 2009, 331-333.
321. Calder, P.C., Polyunsaturated fatty acids, inflammation, and inflammatory disease. In: Kendall-Tackett, K., ed., The Psychoneuroimmunology of chronic disease. American Psychological Association, Washington DC, 2009, 77-109.
322. Sijben, J.W.C., Boehm, G. and Calder, P.C., Fatty acids in immunomodulation: role in disease prevention and causation. In: Watson, R.P., ed., Fatty Acids in Health Promotion and Disease Causation. AOCS Press, Champaign, 2009, 545-584.
323. Calder, P.C., Rationale for using new lipid emulsions in parenteral nutrition and a review of the trials performed in adults. Proceedings of the Nutrition Society, 68, 2009, 252-260.
324. Calder, P.C., Comment on “Current choices in omega 3 supplementation”. Nutrition Bulletin, 34, 2009, 332-334.
325. Singer, P., Berger, M.M., Van den Berghe, G., Biolo, G., Calder, P., Forbes, A., Griffiths, R., Kreyman, G., Leverve, X. and Pichard, C., ESPEN Guidelines on Parenteral Nutrition: intensive care. Clinical Nutrition, 28, 2009, 387-400.
326. Tull, S.P., Yates, C.M., Maskrey, B.H., O'Donnell, V.B., Madden, J., Grimble, R.F., Calder, P.C., Nash, G.B. and Rainger, G.E., Omega-3 Fatty acids and inflammation: novel interactions reveal a new step in neutrophil recruitment. PLoS Biology, 7, 2009, e1000177.
327. Galli, C. and Calder P.C., Effects of fat and fatty acid intake on inflammatory and immune responses: a critical review. Annals of Nutrition and Metabolism, 55, 2009, 123-139.

328. Calder, P.C., BJN impact factor rises. British Journal of Nutrition, 102, 2009, 1243-1245.
329. Calder, P.C., Fatty acids and immune function: relevance to inflammatory bowel diseases. International Reviews of Immunology, 28, 2009, 506-534.
330. Calder, P.C. and Yaqoob, P., Understanding omega-3 polyunsaturated fatty acids. Postgraduate Medicine, 121, 2009, 148-157.
331. Calder, P.C., Polyunsaturated fatty acids and inflammation: therapeutic potential in rheumatoid arthritis. Current Rheumatology Reviews, 5, 2009, 214-225.
332. Calder, P.C., Anti-inflammatory actions of marine-derived omega-3 fatty acids. Omega-3 Learning for Health & Medicine, Issue 3, December 2009, http://www.omega3learning.purdue.edu/diet-health/view/physicians-healthcare/articles/anti-inflammatory-actions-of-marine-derived-omega-3-fatty-acids/
333. Calder, P.C., Editors' conflicts of interest. British Journal of Nutrition, 103, 2010, 1020, 1-2.
334. Childs, C.E., Romeu-Nadal, M., Burdge, G.C. and Calder, P.C., The polyunsaturated fatty acid composition of hepatic and plasma lipids differ by both sex and dietary fat intake in rats. Journal of Nutrition, 140, 2010, 245-250.
335. Calder, P.C., The 2008 ESPEN Sir David Cuthbertson Lecture: Fatty acids and inflammation – from the membrane to the nucleus and from the laboratory bench to the clinic. Clinical Nutrition, 29, 2010, 5-12.
336. Saravanan, P., Bridgewater, B., West, A.L., O'Neill, S.C., Calder, P.C. and Davidson, N.C., Omega-3 fatty acid supplementation does not reduce risk of atrial fibrillation after coronary artery bypass surgery: a randomized, double-blind, placebo-controlled clinical trial. Circulation Arrhythmia and Electrophysiology, 3, 2010, 46-53.
337. Deckelbaum, R.J. and Calder, P.C., Dietary n-3 and n-6 fatty acids: are there 'bad' polyunsaturated fatty acids? Current Opinion in Clinical Nutrition and Metabolic Care, 13, 2010, 123-124.
338. Barbosa, V.M., Miles, E.A., Calhau, C., Lafuente, E. and Calder, P.C., Effects of a fish oil containing lipid emulsion on plasma phospholipid fatty acids, inflammatory markers, and clinical outcomes in septic patients: a randomized, controlled clinical trial. Critical Care, 14, 2010, R5.
339. Calder, P.C. and Yaqoob, P., Omega-3 (n-3) fatty acids, cardiovascular disease and stability of atherosclerotic plaques. Cellular and Molecular Biology, 56, 2010, 28-37.
340. Calder, P.C., Omega-3 fatty acids and inflammatory processes. Nutrients, 2, 2010, 355-374.
341. Rerkasem, K., Gallagher, P.J., Grimble, R.F., Calder, P.C. and Shearman, C.P., Sex difference in composition of plaques of patients undergoing carotid endarterectomy. Vascular, 18, 2010, 77-81.
342. Calder, P.C., Jensen, G.L., Koletzko, B.V., Singer, P. and Wanten, G.J., Lipid emulsions in parenteral nutrition of intensive care patients: current thinking and future directions. Intensive Care Medicine, 36, 2010, 735-749.
343. Calder, P.C., The Ninth Fatty Acids and Cell Signalling Meeting (FACS-09). Prostaglandins Leukotrienes and Essential Fatty Acids, 82, 2010, 147.
344. Calder, P.C., A novel effect of eicosapentaenoic acid: improved diaphragm strength in endotoxemia. Critical Care, 14, 2010, 143.
345. Madden, J., Coward, J.C., Shearman, C.P., Grimble, R.F. and Calder, P.C., Hsp70 expression in monocytes from patients with peripheral arterial disease and healthy controls: monocyte Hsp70 in PAD. Cell Biology and Toxicology, 26, 2010, 215-223.
346. Calder, P.C., Is the demographic of British Journal of Nutrition authors changing? British Journal of Nutrition, 103, 210, 1389-1390.
347. Calder, P.C., Does early exposure to long chain polyunsaturated fatty acids provide immune benefits? Journal of Pediatrics, 156, 2010, 869-871.
348. Calder, P.C., Omega-3 fatty acids and inflammatory processes in the context of cardiovascular disease. In; von Schacky, C., Ed., Omega-3 Fatty Acids and Cardiovascular Disease. Unimed Science, Bremen, 2010, 23-33.
349. Sanderson, P., Elsom, R.L., Kirkpatrick, V., Calder, P.C., Woodside, J.V., Williams, E.A., Rink, L., Fairweather-Tait, S., Ivory, K., Cantorna, M., Watzl, B. and Stone, E.M., UK Food Standards Agency Workshop Report: Diet and Immune Function. British Journal of Nutrition, 103, 2010, 1684-1687.
350. Peacock, E., Stanley, J., Calder, P.C., Jebb, S.A., Thies, F., Seal, C.J., Woodside, J.V. and Sanders, T.A., UK Food Standards Agency Workshop Report: carbohydrate and cardiovascular risk. British Journal of Nutrition, 103, 2010, 1688-1694.
351. Stear, S.J., Castell, L.M., Burke, L.M., Jeacocke, N., Ekblom, B., Shing, C., Calder, P.C. and Lewis, N., A-Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance--part 10. British Journal of Sports Medicine 44, 2010, 688-690.
352. Calder, P.C., Kremmyda, L.S., Vlachava, M., Noakes, P.S. and Miles, E.A., Is there a role for fatty acids in early life programming of the immune system? Proceedings of the Nutrition Society, 69, 2010, 373-380.
353. Sala-Vila, A., Folkes, J. and Calder, P.C., The Effect of Three Lipid Emulsions Differing in Fatty Acid Composition on Growth, Apoptosis and Cell Cycle Arrest in the HT-29 Colorectal Cancer Cell Line. Clinical Nutrition, 29, 2010, 519-524.
354. Saravanan, P., Davidson, N.C., Schmidt, E.B. and Calder, P.C., Cardiovascular effects of marine omega-3 fatty acids. Lancet, 376, 2010, 540-550.
355. Calder, P.C., BJN impact factor rises by 25%. British Journal of Nutrition, 104, 2010, 621-623.
356. Cawood, A.L., Ding, R., Napper, F.L., Young, R.H., Williams, J.A., Ward, M.J., Gudmundsen, O., Vige, R., Payne, S.P., Ye, S., Shearman, C.P., Gallagher, P.J., Grimble, R.F. and Calder, P.C., Eicosapentaenoic acid (EPA) from highly concentrated n-3 fatty acid ethyl esters is incorporated into advanced atherosclerotic plaques and higher plaque EPA is associated with decreased plaque inflammation and increased stability. Atherosclerosis, 212, 2010, 252-259.

357. Rodrigues, H.G., Vinolo, M.A., Magdalon, J., Fujiwara, H., Cavalcanti, D.M., Farsky, S.H., Calder, P.C., Hatanaka, E. and Curi, R., Dietary free oleic and linoleic acid enhances neutrophil function and modulates the inflammatory response in rats. Lipids, 45, 2010, 809-819.
358. Calder, P.C., Marine omega-3 fatty acids and inflammation. Journal of Lipid Nutrition, 19, 2010, 233-244.
359. Calder, P.C., Fatty acids and inflammation – the role of dietary fatty acids in the modulation of intestinal inflammation. In: Cabre, E., Gassull, M.A., Eds., Nutritional Therapy in Inflammatory Bowel Disease. Abbott Laboratories, 2010, 105-122.
360. Calder, P.C., Lipid-laden dendritic cells fail to function. Cell Research, 20, 2010, 1089-1091.
361. Calder, P.C., Rationale and use of n-3 fatty acids in artificial nutrition. Proceedings of the Nutrition Society, 69, 2010, 565-573.
362. Calder, P.C., Lindley, M.R., Burke, L.M., Stear, S.J. and Castell, L.M., A-Z of nutritional supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance Part 14. British Journal of Sports Medicine, 44, 2010, 1065-1067.
363. Calder, P.C., ISSFAL comes of age. Prostaglandins Leukotrienes and Essential Fatty Acids, 83, 2010, 177-178.
364. Childs, C.E., Romijn, T., Enke, U., Hoile, S. and Calder, P.C., Maternal diet during pregnancy has tissue-specific effects upon fetal fatty acid composition and alters fetal immune parameters. Prostaglandins Leukotrienes and Essential Fatty Acids, 83, 2010, 179-183.
365. Calder, P.C., Omega-3 fatty acids from fish and plants: same family, different biological activity. Nutritional Therapy and Metabolism, 28, 2010, 101-109.
366. Calder, P.C., The American Heart Association advisory on n-6 fatty acids: evidence based or biased evidence? British Journal of Nutrition, 104, 2010, 1575-1576.
367. Calder, P.C., Dangour, A.D., Diekman, C., Eilander, A., Koletzko, B., Meijer, G.W., Mozaffarian, D., Niinikoski, H., Osendarp, S.J., Pietinen, P., Schuit, J. and Uauy, R., Essential fats for future health. Proceedings of the 9th Unilever Nutrition Symposium, 26-27 May 2010. European Journal of Clinical Nutrition, 64 (Suppl. 4), 2010, S1-S13.
368. Belo, S.R., Iagher, F., Bonatto, S.J., Naliwaiko, K., Calder, P.C., Nunes, E.A. and Fernandes, L.C., Walker-256 tumor growth is inhibited by the independent or associative chronic ingestion of shark liver and fish oil: a response linked by the increment of peritoneal macrophages nitrite production in Wistar rats. Nutrition Research, 30, 2010, 770-776.
369. Yaqoob, P. and Calder, P.C., The immune and inflammatory systems. In: Lanham-New, S.A., Macdonald, I.A. and Roche, H.M., eds. Nutrition and Metabolism, 2nd Edition (The Nutrition Society Textbook Series), Oxford, Wiley-Blackwell, 2010, 312-338.
370. Scientific Advisory Committee on Nutrition, Iron and Health. TSA, Norwich, 2010.
371. Calder, P.C., Polyunsaturated fatty acids, inflammatory processes and rheumatoid arthritis. In: Horowitz, R., Muller, D., Eds., Integrative Rheumatology. Oxford University Press, Oxford & New York, 2011, 23-46.
372. Nunes, E.A., Lomax, A.R., Noakes, P.S., Miles, E.A., Fernandes, L.C. and Calder, P.C., β-Hydroxy-β-methylbutyrate modifies human peripheral blood mononuclear cell proliferation and cytokine production in vitro. Nutrition, 27, 2011, 92-99.
373. Calder, P.C., Omega-3 polyunsaturated fatty acids in human nutrition. In: Herrmann, W., Obeid, R., Eds., Vitamins in the Prevention of Human Diseases. Walter de Gruyter, Berlin & New York, 2011, 629-643.
374. Calder, P.C. and Deckelbaum, R.J., Harmful, harmless or helpful? The n-6 fatty acid debate goes on. Current Opinion in Clinical Nutrition and Metabolic Care, 14, 2011, 113-114.
375. Calder, P.C., Editors' conflicts of interest 2011. British Journal of Nutrition, 105, 2011, 661-662.
376. Hogenkamp, A., van Vlies, N., Fear, A.L., van Esch, B.C., Hofman, G.A., Garssen, J. and Calder, P.C., Dietary Fatty acids affect the immune system in male mice sensitized to ovalbumin or vaccinated with influenza. Journal of Nutrition, 141, 2011, 698-702.
377. Wanten, G., Calder, P.C. and Forbes, A., Managing adult patients who need home parenteral nutrition. BMJ 342, 2011, 696-701.
378. van Vlies, N., Hogenkamp, A., Fear, A.L., van Esch, B.C., Oosting, A., van de Heijning, B., van der Beek, E., Calder, P.C. and Garssen, J., Perinatal programming of murine immune responses by polyunsaturated fatty acids. Journal of Developmental Origins of Health and Disease 2, 2011, 112–123.
379. Faber, J., Berkhout, M., Vos, A.P., Sijben, J.W., Calder, P.C., Garssen, J. and van Helvoort, A., Supplementation with a fish oil-enriched, high-protein medical food leads to rapid incorporation of EPA into white blood cells and modulates immune responses within one week in healthy men and women. Journal of Nutrition, 141, 2011, 964-970.
380. Sijben, J.W., Goedhart, A.C., Kamphuis, P.J., Calder, P.C., Gottrand, F. and Koletzko, B., Is it prudent to add n-3 long-chain polyunsaturated fatty acids to paediatric enteral tube feeding? Clinical Nutrition, 30, 2011, 273-281.
381. Garcia-Larsen, V., Luczynska, M., Kowalski, M.L., Voutilainen, H., Ahlström, M., Haahtela, T., Toskala, E., Bockelbrink, A., Lee, H.H., Vassilopoulou, E., Papadopoulos, N.G., Ramalho, R., Moreira, A., Delgado, L., Castel-Branco, M.G., Calder, P.C., Childs, C.E., Bakolis, I., Hooper, R. and Burney, P.G., Use of a common food frequency questionnaire (FFQ) to assess dietary patterns and their relation to allergy and asthma in Europe: pilot study of the GA(2)LEN FFQ. European Journal of Clinical Nutrition, 65, 2011, 750-756.
382. Yates, C.M., Tull, S.P., Madden, J., Calder, P.C., Grimble, R.F., Nash, G.B. and Rainger, G.E., Docosahexaenoic Acid inhibits the adhesion of flowing neutrophils to cytokine stimulated human umbilical vein endothelial cells. Journal of Nutrition, 141, 2011, 1331-1334.
383. Ranchordas, M.K., Blomstrand, E., Calder, P.C., Burke, L.M., Stear, S.J. and Castell, L.M., A-Z of nutritional

supplements: dietary supplements, sports nutrition foods and ergogenic aids for health and performance--Part 23. British Journal of Sports Medicine, 45, 2011, 830-831.
384. Madden, J., Williams, C.M., Calder, P.C., Lietz, G., Miles, E.A., Cordell, H., Mathers, J.C. and Minihane, A.M., The impact of common gene variants on the response of biomarkers of cardiovascular disease (CVD) risk to increased fish oil fatty acids intakes. Annual Review of Nutrition, 21, 2011, 203-234.
385. Kremmyda, L-S., Vlachava, M., Noakes, P.S., Diaper, N.D., Miles, E.A. and Calder, P.C. Atopy risk in infants and children in relation to early exposure to fish, oily fish, or long-chain omega-3 Fatty acids: a systematic review. Clinical Reviews in Allergy and Immunology 41, 2011, 36-66.
386. Sala-Vila, A. and Calder, P.C., Update on the relationship of fish intake with prostate, breast, and colorectal cancers. Critical Reviews in Food Science and Nutrition, 51, 2011, 855-871.
387. Calder, P.C., Editorial: More citations, but a fall in impact factor. British Journal of Nutrition, 106, 2011, 789–792.
388. Calder, P.C. and Grimble, R.F., Nutrients that influence inflammation and immunity: □-3 fatty acids. In: Sobotka, L. (ed.) Basics of Clinical Nutrition, 4th ed., Galen, Prague, 2011, pp. 292-299.
389. Calder, P.C., Kremmyda, L.S., Vlachava, M., Noakes, P.S. and Miles, E.A., Papel de los acidos grasos en la programacion temprana del sistema inmunitario. In: Marcos, A. (ed.) Inmunonutricion – En la salud y la Enfermedad. Editorial Medica Panamericana, Madrid, 2011, pp. 102-112.
390. Calder, P.C., Inmunonutricion en pacientes quirurgicos y en estado critico. In: Marcos, A. (ed.) Inmunonutricion – En la salud y la Enfermedad. Editorial Medica Panamericana, Madrid, 2011, pp. 556-567.
391. García-Rodríguez, C.E., Helmersson-Karlqvist, J., Dolores Mesa, M., Miles, E.A., Noakes, P.S., Vlachava, M., Kremmyda, L.S., Diaper, N.D., Godfrey, K.M., Calder, P.C., Gil, A. and Basu, S., Does increased intake of salmon increase markers of oxidative stress in pregnant women? The salmon in pregnancy study. Antioxidants and Redox Signaling, 15, 2011, 2819-2823.
392. Calder, P.C., Fatty acids and inflammation: The cutting edge between food and pharma. European Journal of Pharmacology, 668, 2011, S50-S58.
393. Dionisi, F. and Calder, P.C., Omega 3 fatty acids for the treatment of dementia and cognitive impairment (Protocol). Cochrane Database of Systematic Reviews, 2, 2011, 2. Art. No.: CD009002.
394. Yates, C.M., Calder, P.C. and Rainger, G.E., Omega-3 polyunsaturated fatty acids and cardiovascular disease. Bulletin of the British Society for Cardiovascular Research, 24 (4), 2011, 4-11.
395. Scorletti, E., Calder, P.C. and Byrne, C.D., Non-alcoholic fatty liver disease and cardiovascular risk: metabolic aspects and novel treatments. Endocrine, 40, 2011, 332-343.
396. Miles, E.A., Noakes, P.S., Kremmyda, L.S., Vlachava, M., Diaper, N.D., Rosenlund, G., Urwin, H., Yaqoob, P., Rossary, A., Farges, M.C., Vasson, M-P., Liaset, B., Frøyland, L., Helmersson, J., Basu, S., Garcia, E., Olza, J., Mesa, M.D., Aguilera, C.M., Gil, A., Robinson, S.M., Inskip, H.M., Godfrey, K.M. and Calder, P.C., The Salmon in Pregnancy Study: study design, subject characteristics, maternal fish and marine n-3 fatty acid intake, and marine n-3 fatty acid status in maternal and umbilical cord blood. American Journal of Clinical Nutrition, 94, 2011, 1986S-1992S.
397. van den Elsen, L.W., Noakes, P.S., van der Maarel, M.A., Kremmyda, L.S., Vlachava, M., Diaper, N.D., Miles, E.A., Eussen, S.R., Garssen, J., Willemsen, L.E., Wilson, S.J., Godfrey, K.M. and Calder, P.C., Salmon consumption by pregnant women reduces ex vivo umbilical cord endothelial cell activation. American Journal of Clinical Nutrition, 94, 2011, 1418-1425.
398. Childs, C.E., Fear, A.L., Hoile, S.P. and Calder, P.C., Different dietary omega-3 sources during pregnancy and DHA in the developing rat brain. Oilseeds and Fats Crops and Lipids, 18, 2011, 259-262.
399. Calder, P.C., Ahluwalia, N., Brouns, F., Buetler, T., Clement, K., Cunningham, K., Esposito, K., Jonsson, L.S., Kolb, H., Lansink, M., Marcos, A., Margioris, A., Matusheski, N., Nordmann, H., O'Brien, J., Pugliese, G., Rizkalla, S., Schalkwijk, C., Tuomilehto, J., Warnberg, J., Watzl, B. and Winklhofer-Roob. B.M., Dietary factors and low-grade inflammation in relation to overweight and obesity. British Journal of Nutrition, 106 (Suppl. 3), 2011, S5-S78.
400. Rerkasem, K., Gallagher, P.J., Grimble, R.F., Calder, P.C. and Shearman, C.P., The relationship between carotid plaque calcification and stability. The Thai Journal of Surgery, 32, 2011, 131-136.
401. Rodrigues, H.G., Vinolo, M.A., Magdalon, J., Vitzel, K., Nachbar, R.T., Pessoa, A.F., Dos Santos, M.F., Hatanaka, E., Calder, P.C. and Curi, R., Oral administration of oleic or linoleic acid accelerates the inflammatory phase of wound healing. Journal of Investigative Dermatology, 132, 2012, 208-215.
402. Helmersson-Karlqvist, J., Miles, E.A., Vlachava, M. Kremmyda, L-S., Noakes, P.S., Diaper, N.D., Godfrey, K.M., Calder, P.C. and Basu, S., Enhanced prostaglandin F(2α) formation in human pregnancy and the effect of increased oily fish intake: Results from the Salmon in Pregnancy Study. Prostaglandins Leukotrienes and Essential Fatty Acids, 86, 2012, 35-38.
403. Noakes, P.S., Vlachava, M., Kremmyda, L-S., Diaper, N.D., Miles, E.A., Erlewyn-Lajeunesse, M., Williams, A.P., Godfrey, K.M. and Calder, P.C., Increased intake of oily fish in pregnancy: effects on neonatal immune responses and on clinical outcomes in infants at 6 mo. American Journal of Clinical Nutrition, 95, 2012, 395-404.
404. Versleijen, M.W., Roelofs, H.M., Rombouts, C., Hermans, P.W., Noakes, P.S., Calder, P.C. and Wanten, G.J., Short-term infusion of a fish oil-based lipid emulsion modulates fatty acid status, but not immune function or (anti)oxidant balance: a randomized cross-over study. European Journal of Clinical Investigation, 42, 2012, 290-302.
405. Deckelbaum, R.J. and Calder, P.C., Different outcomes for omega-3 heart trials: why? Current Opinion in Clinical Nutrition and Metabolic Care, 15, 2012, 97-98.
406. Calder, P.C., Mechanisms of action of (n-3) fatty acids. Journal of Nutrition, 142, 2012, 592S-599S.

407. Deckelbaum, R.J., Calder, P.C., Harris, W.S., Akoh, C.C., Maki, K.C., Whelan, J., Banz, W.J. and Kennedy, E., Conclusions and recommendations from the Symposium, Heart Healthy Omega-3s for Food: Stearidonic Acid (SDA) as a Sustainable Choice. Journal of Nutrition, 142, 2012, 641S-643S.
408. Rizzardini, G., Eskesen, D., Calder, P.C., Capetti, A., Jespersen, L. and Clerici, M., Evaluation of the immune benefits of two probiotic strains Bifidobacterium animalis ssp. lactis, BB-12® and Lactobacillus paracasei ssp. paracasei, L. casei 431® in an influenza vaccination model: a randomised, double-blind, placebo-controlled study. British Journal of Nutrition, 107, 2012, 876-884.
409. Calder, P.C., Editorial: The Nutrition Society fully engages with the Open Access model of publishing: Journal of Nutritional Science. Journal of Nutritional Science, 1, 2012, e1.
410. Kofler, B.M., Miles, E.A., Curtis, P., Armah, C.K., Tricon, S., Grew, J., Napper, F.L., Farrell, L., Lietz, G., Packard, C.J., Caslake, M.J., Mathers, J.C., Williams, C.M., Calder, P.C. and Minihane, A.M., Apolipoprotein E genotype and the cardiovascular disease risk phenotype: Impact of sex and adiposity (the FINGEN study). Atherosclerosis, 221, 2012, 467-470.
411. Bonatto, S.J., Oliveira, H.H., Nunes, E.A., Pequito, D., Iagher, F., Coelho, I., Naliwaiko, K., Kryczyk, M., Brito, G.A., Repka, J., Sabóia, L.V., Fukujima, G., Calder, P.C. and Fernandes, L.C., Fish oil supplementation improves neutrophil function during cancer chemotherapy. Lipids, 47, 2012, 383-389.
412. Calder, P.C., Nutrition – Links to the immune system. In: Rippe, M (Ed.), Encyclopedia of Lifestyle Medicine & Health, Sage Publications, Los Angeles, 2012, pp 750-755
413. Aggett, P.J., Hathcock, J., Jukes, D., Richardson, D.P., Calder, P.C., Bischoff-Ferrari, H., Nicklas, T., Mühlebach, S., Kwon, O., Lewis, J., Lugard, M.J. and Prock, P., Nutrition issues in Codex: health claims, nutrient reference values and WTO agreements: a conference report. European Journal of Nutrition, 51 (Suppl 1), 2012, 1-7.
414. Kelsall, C.J., Hoile, S.P., Irvine, N.A., Masoodi, M., Torrens, C., Lillycrop, K.A., Calder, P.C., Clough, G.F., Hanson, M.A. and Burdge, G.C., Vascular dysfunction induced in offspring by maternal dietary fat involves altered arterial polyunsaturated Fatty acid biosynthesis. PLoS One, 7, 2012, e34492.
415. García-Rodríguez, C.E., Mesa, M.D., Olza, J., Vlachava, M., Kremmyda, L-S., Diaper, N.D., Noakes, P.S., Miles, E.A., Ramírez-Tortosa, M.C., Liaset, B., Frøyland, L., Rossary, A., Farges, M.C., Vasson, M.P., Aguilera, C.M., Helmersson-Karlqvist, J., Godfrey, K.M., Calder, P.C., Basu, S. and Gil, A., Does consumption of two portions of salmon per week enhance the antioxidant defense system in pregnant women? Antioxidants and Redox Signaling, 16, 2012, 1401-1406.
416. Calder, P.C., Long-chain fatty acids and inflammation. Proceedings of the Nutrition Society, 71, 2012, 284-289.
417. Childs, C.E., Hoile, S.P., Burdge, G.C. and Calder, P.C., Changes in rat n-3 and n-6 fatty acid composition during pregnancy are associated with progesterone concentrations and hepatic FADS2 expression. Prostaglandins Leukotrienes and Essential Fatty Acids, 86, 2012, 141-147.
418. Fuller, R., Butt, H., Noakes, P.S., Kenyon, J., Yam, T.S. and Calder, P.C., Influence of yeast-derived 1,3/1,6 glucopolysaccharide on circulating cytokines and chemokines with respect to upper respiratory tract infections. Nutrition, 28, 2012, 665-669.
419. Bhatia, L.S., Curzen, N.P., Calder, P.C. and Byrne, C.D., Non-alcoholic fatty liver disease: a new and important cardiovascular risk factor? European Heart Journal, 33, 2012, 1190-1200.
420. Gil, A., Serra-Majem, L., Calder, P.C. and Uauy, R., Systematic reviews of the role of omega-3 fatty acids in the prevention and treatment of disease. British Journal of Nutrition, 107, 2012, S1-S2.
421. Miles, E.A. and Calder, P.C., Influence of marine n-3 polyunsaturated fatty acids on immune function and a systematic review of their effects on clinical outcomes in rheumatoid arthritis. British Journal of Nutrition, 107, 2012, S171-S184.
422. England, A., Valdes, A.M., Slater-Jefferies, J.L., Gill, R., Howell, W.M., Calder, P.C. and Grimble, R.F., Variants in the genes encoding TNF-α, IL-10, and GSTP1 influence the effect of a-tocopherol on inflammatory cell responses in healthy men. American Journal of Clinical Nutrition, 95, 2012, 1461-1467.
423. Calder, P.C., BJN gets a new sister! British Journal of Nutrition, 107, 2012, 1561.
424. Calder, P.C. and Yaqoob, P., Marine omega-3 fatty acids and coronary heart disease. Current Opinion in Cardiology, 27, 2012, 412-419.
425. Dichi, I., Simao, A.N.C., Vannucchi, H., Curi, R. and Calder, P.C., Metabolic syndrome: epidemiology, pathophysiology, and nutrition intervention. Journal of Nutrition and Metabolism, 2012, 2012, 584541.
426. Koletzko, B., Szajewska, H., Ashwell, M., Shamir, R., Aggett, P., Baerlocher, K., Noakes, P., Braegger, C., Calder, P., Campoy Folgoso, C., Colomb, V., Decsi, T., Domellöf, M., Dupont, C., Fewtrell, M., van Goudoever, J.B., Michaelsen, K.F., Mihatsch, W., Guarino, A., Koletzko, S., Rigo, J., Turck, D. and Taminiau, J., Documentation of functional and clinical effects of infant nutrition: setting the scene for COMMENT. Annals of Nutrition and Metabolism, 60, 2012, 222-232.
427. García-Rodríguez, C.E., Olza, J., Aguilera, C.M., Mesa, M.D., Miles, E.A., Noakes, P.S., Vlachava, M., Kremmyda, L.S., Diaper, N.D., Godfrey, K.M., Calder, P.C. and Gil, A., Plasma inflammatory and vascular homeostasis biomarkers increase during human pregnancy but are not affected by oily fish intake. Journal of Nutrition, 142, 2012, 1191-1196.
428. Calder, P.C., The role of marine omega-3 (n-3) fatty acids in inflammatory processes, atherosclerosis and plaque stability. Molecular Nutrition and Food Research, 56, 2012, 1073-1080.
429. Calder, P.C., Feeding the immune system. Public Service Review: UK Science & Technology, 6, 2012, 50-51.
430. Magdalon, J., Vinolo, M.A., Rodrigues, H.G., Paschoal, V.A., Torres, R.P., Mancini-Filho, J., Calder, P.C., Hatanaka, E. and Curi, R., Oral administration of oleic or linoleic acids modulates the production of inflammatory mediators by rat macrophages. Lipids, 2012, 47, 803-812.

431. Urwin, H.J., Miles, E.A., Noakes, P.S., Kremmyda, L.S., Vlachava, M., Diaper, N.D., Pérez-Cano, F.J., Godfrey, K.M., Calder, P.C. and Yaqoob, P., Salmon consumption during pregnancy alters fatty acid composition and secretory IgA concentration in human breast milk. Journal of Nutrition, 2012, 142, 1603-1610.
432. Calder, P.C. and Yaqoob, P., Nutrient regulation of the immune response. In: Erdman, J.W., Macdonald, I.A. and Zeisel, S.H. (eds.), Present Knowledge in Nutrition, 10th edition. ILSI, Ames, 2012, pp. 688-708.
433. Harvey, N., Dhanwal, D., Robinson, S., Kim, M., Inskip, H., Godfrey, K., Dennison, E., Calder, P., Cooper, C. and the SWS Study Group., Does maternal long chain polyunsaturated fatty acid status in pregnancy influence the bone health of children? : The Southampton Women's Survey. Osteoporosis International, 23, 2012, 2359-2367.
434. Calder, P.C., Record citations in 2011contribute to maintenance of the impact factor of BJN. British Journal of Nutrition, 108, 2012, 759-761.
435. Browning, L.M., Walker, C.G., Mander, A.P., West, A.L., Madden, J., Gambell, J.M., Young, S., Wang, L., Jebb, S.A. and Calder, P.C., Incorporation of eicosapentaenoic and docosahexaenoic acids into lipid pools when given as supplements providing doses equivalent to typical intakes of oily fish. American Journal of Clinical Nutrition, 96, 2012, 748-758.
436. Pike, K.C., Calder, P.C., Inskip, H.M., Robinson, S.M., Roberts, G.C., Cooper, C., Godfrey, K.M., and Lucas, J.S.A., Maternal plasma phosphatidylcholine fatty acids and atopy and wheeze in the offspring at age of 6 years. Clinical and Developmental Immunology, 2012, 474613.
437. Calder, P.C., Omega-6 and omega-3 polyunsaturated fatty acids and inflammatory processes. In: Roy, S., Bagchi, D. and Raychaudhuri, S.P. (eds.), Chronic Inflammation : Molecular Pathophysiology, Nutritional and Therapeutic Interventions. CRC Press, Boca Raton, 2012, pp. 305-321.
438. Calder, P.C., Omega-3 fettsauren und entzundungsprozesse bei kardiovaskularen erkrankungen. In: von Schacky, C. (ed.) Omega-3 Fettauren und kardiovaskulare Erkrankungen. Uni-Med, Bremen, 2012, pp. 30-41.
439. Calder, P. and Hall, V., Understanding gut-immune interactions in management of acute infectious diarrhoea. Nursing Older People, 24 (9), 2012, 29-37.
440. Calder, P.C., The scope of the British journal of Nutrition. British Journal of Nutrition, 108, 2012, 1531.
441. Calder, P.C., Parenteral omega-3 fatty acids: pouring oil on troubled waters? Critical Care, 16, 2012, 172.
442. Calder, P.C. and Yngve, A., Open access, the creative commons attribution licence, and the Nutrition Society journals. Public Health Nutrition, 15, 2012, 2167-2168.
443. Lomax, A.R., Cheung, L.V., Tuohy, K.M., Noakes, P.S., Miles, E.A. and Calder, P.C., β2-1 Fructans have a bifidogenic effect in healthy middle-aged human subjects but do not alter immune responses examined in the absence of an in vivo immune challenge: results from a randomised controlled trial. British Journal of Nutrition, 108, 2012, 1818-1828.
444. Calder, P.C., Marine omega-3 polyunsaturated fatty acids and rheumatoid arthritis. In: Watson, R.R. and Preedy, V.R. (eds.) Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases. Academic Press, San Diego, 2013, pp. 113-132.
445. Calder, P.C., Omega-6 and omega-3 polyunsaturated fatty acids and inflammatory bowel diseases. In: Watson, R.R. and Preedy, V.R. (eds.) Bioactive Food as Dietary Interventions for Liver and Gastrointestinal Disease. Academic Press, San Diego, 2013, pp. 55-79.
446. Calder, P.C. and Yngve, A., Open access, the creative commons attribution licence, and the Nutrition Society journals. British Journal of Nutrition, 108, 2012, 1913-1914.
447. Phillips, M.A., Childs, C.E., Calder, P.C. and Rogers, P.J., Lower omega-3 fatty acid intake and status are associated with poorer cognitive function in older age: A comparison of individuals with and without cognitive impairment and Alzheimer's disease. Nutritional Neuroscience, 15, 2012, 271-277.
448. Moon, R.J., Harvey, N.C., Robinson, S.M., Ntani, G., Davies, J.H., Inskip, H.M., Godfrey, K.M., Dennison, E.M., Calder, P.C., Cooper, C. and the SWS Study Group., Maternal plasma polyunsaturated fatty acid status in late pregnancy is associated with offspring body composition in childhood. Journal of Clinical Endocrinology and Metabolism, 98, 2013, 299-307.
449. Walker, C.G., Jebb, S.A. and Calder, P.C., Stearidonic acid as a supplemental source of ω-3 polyunsaturated fatty acids to enhance status for improved human health. Nutrition, 29, 2013, 363-369.
450. Calder, P.C., Inflammation: An introduction. In: Garg, M.L. and Wood, L.G. (eds.) Nutrition and Physical Activity in Inflammatory Diseases. CAB International, Wallingford, 2013, pp. 1-22.
451. Calder, P.C., Dietary fats and inflammation. In: Garg, M.L. and Wood, L.G. (eds.) Nutrition and Physical Activity in Inflammatory Diseases. CAB International, Wallingford, 2013, pp. 23-45.
452. Brenna, T., Bazan, N., Calder, P. and Cunnane S., Docosahexaenoic acid in translational medicine: The Tenth Fatty Acids and Cell Signaling meeting (FACS-10). Prostaglandins, Leuktotrienes and Essential Fatty acids, 88, 2013, 1.
453. Calder, P.C., Ahluwalia, N., Albers, R., Bosco, N., Bourdet-Sicard, R., Haller, D., Holgate, S.T., Jonsson, L.S., Latulippe, M.E., Marcos, A., Moreines, J., M'Rini, C., Muller, M., Pawelec, G., van Neerven, R.J.J., Watzl, B. and Zhao, J., A consideration of biomarkers to be used for evaluation of inflammation in human nutritional studies. British Journal of Nutrition, 109 (Suppl. 1), 2013, S1-S34.
454. Calder, P.C., Old study sheds new light on the fatty acids and cardiovascular health debate. British Medical Journal, 346, 2013, f493.
455. Calder, P.C., Omega-3 polyunsaturated fatty acids and inflammatory processes: Nutrition or pharmacology? British Journal of Clinical Pharmacology, 75, 2013, 645-662.
456. Calder, P.C. and Deckelbaum, R.J., Intravenous fish oil in hospitalized adult patients: reviewing the reviews. Current Opinion in Clinical Nutrition and Metabolic Care, 16, 2013, 119-123.

457. Calder, P.C., Omega 3 (□-3) polyunsaturated fatty acids. In: Brahmachari, G. (ed.) Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds. CRC Press, Boca Raton, 2013, pp. 197-209.
458. Calder, P.C., Nutrition and inflammatory processes. In: Ross, A.C., Caballero, B., Cousins, R.J., Tucker, K.L. and Ziegler, T.R. (eds.) Modern Nutrition in Health and Disease (11th Edition). Wolters Kluwer/Lippincott Williams and Wilkins, Baltimore/Philadelphia, 2013, pp. 837-848.
459. Borel, P., Lietz, G., Goncalves, A., Szabo de Edelenyi, F., Lecompte, S., Curtis, P., Goumidi, L., Caslake, M.J., Miles, E.A., Packard, C., Calder, P.C., Mathers, J.C., Minihane, A.M., Tourniaire, F., Kesse-Guyot, E., Galan, P., Hercberg, S., Breidenassel, C., González Gross, M., Moussa, M., Meirhaeghe, A. and Reboul, E., CD36 and SR-BI are involved in cellular uptake of provitamin A carotenoids by Caco-2 and HEK Cells, and some of their genetic variants are associated with plasma concentrations of these micronutrients in humans. Journal of Nutrition, 143, 2013, 448-456.
460. Calder, P.C., Fat chance to enhance B cell function. Journal of Leukocyte Biology, 93, 2013, 457-459.
461. Turnock, A., Calder, P.C., West, A.L., Izzard, M., Morton, R.P. and Plank, L.D., Perioperative Immunonutrition in well-nourished patients undergoing surgery for head and neck cancer: evaluation of inflammatory and immunologic outcomes. Nutrients, 5, 2013, 1186-1199.
462. Calder, P.C., Omega-3 fatty acid deficiency and rheumatoid arthritis. In: McNamara, R.K. (ed.) The Omega-3 Fatty Acid Deficiency Syndrome. Nova, New York, 2013, pp. 193-212.
463. Calder, P.C., Omega-3 fatty acids in health and disease: the science behind the headlines. NHD Magazine, 83, 2013, 18-19.
464. Urwin, H.J., Zhang, J., Gao, Y., Wang, C., Li, L., Song, P., Man, Q., Meng, L., Frøyland, L., Miles, E.A., Calder, P.C. and Yaqoob, P., Immune factors and fatty acid composition in human milk from river/lake, coastal and inland regions of China. British Journal of Nutrition, 109, 2013, 1949-1961.
465. Stephenson, J.A., Al-Taan, O., Arshad, A., West, A.L., Calder, P.C., Morgan, B., Metcalfe, M.S. and Dennison, A.R., Unsaturated fatty acids differ between hepatic colorectal metastases and liver tissue without tumour in humans: Results from a randomised controlled trial of intravenous eicosapentaenoic and docosahexaenoic acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 88, 2013, 405-410.
466. Al-Taan, O., Stephenson, J.A., Spencer, L., Pollard, C., West, A.L., Calder, P.C., Metcalfe, M. and Dennison, A.R., Changes in plasma and erythrocyte omega-6 and omega-3 fatty acids in response to intravenous supply of omega-3 fatty acids in patients with hepatic colorectal metastases. Lipids in Health and Disease, 12, 2013, 64.
467. Calder, P.C., Long chain fatty acids and gene expression in inflammation and immunity. Current Opinion in Clinical Nutrition and Metabolic Care, 16, 2013, 425-433.
468. Hoile, S.P., Irvine, N.A., Kelsall, C.J., Sibbons, C., Feunteun, A., Collister, A., Torrens, C., Calder, P.C., Hanson, M.A., Lillycrop, K.A. and Burdge, G.C., Maternal fat intake in rats alters 20:4n-6 and 22:6n-3 status and the epigenetic regulation of Fads2 in offspring liver. Journal of Nutritional Biochemistry, 24, 2013, 1213-1220.
469. Barros, K.V., Cassulino, A.P., Schalch, L., Della Valle Munhoz, E., Manetta, J.A., Noakes, P.S., Miles, E.A., Calder, P.C. and Flor Silveira, V.L., Supplemental intravenous n-3 fatty acids and n-3 fatty acid status and outcome in critically ill elderly patients in the ICU receiving enteral nutrition. Clinical Nutrition, 32, 2013, 599-605.
470. Calder, P.C., Fishing for allergy prevention. Clinical and Experimental Allergy, 43, 2013, 700-702.
471. Calder, P.C., Nutritional benefits of omega-3 fatty acids. In: Jacobsen, C., Skall Nielsen, N., Frisenfeldt Horn, A. and Moltke Sorensen, A-D. (eds.) Food Enrichment with Omega-3 Fatty Acids. Woodhead Publishing, Cambridge. Nova, New York, 2013, pp. 3-26.
472. Kagan, M.L., West, A.L., Zante, C. and Calder, P.C., Acute appearance of fatty acids in human plasma -- a comparative study between polar-lipid rich oil from the microalgae Nannochloropsis oculata and krill oil in healthy young males. Lipids in Health and Disease, 12, 2013, 102.
473. Calder, P.C., Lipids for intravenous nutrition in hospitalised adult patients: a multiple choice of options. Proceedings of the Nutrition Society, 72, 2013, 263-276.
474. Calder, P.C., Feeding the immune system. Proceedings of the Nutrition Society, 72, 2013, 299-309.
475. Calder, P.C., n-3 Fatty acids, inflammation and immunity: new mechanisms to explain old actions. Proceedings of the Nutrition Society, 72, 2013, 326-336.
476. Zhang, J., Wang, C., Gao, Y., Li, L., Man, Q., Song, P., Meng, L., Du, Z.Y., Miles, E.A., Lie, O., Calder, P.C. and Frøyland, L., Different intakes of n-3 fatty acids among pregnant women in 3 regions of China with contrasting dietary patterns are reflected in maternal but not in umbilical erythrocyte phosphatidylcholine fatty acid composition. Nutrition Research, 33, 2013, 613-621.
477. Albers, R., Bourdet-Sicard, R., Braun, D., Calder, P.C., Herz, U., Lambert, C., Lenoir-Wijnkoop, I., Méheust, A., Ouwehand, A., Phothirath, P., Sako, T., Salminen, S., Siemensma, A., van Loveren, H. and Sack, U., Monitoring immune modulation by nutrition in the general population: identifying and substantiating effects on human health. British Journal of Nutrition, 110 (suppl. 2), 2013, S1-S30.
478. Miranda, D.T., Zanatta, A.L., Dias, B.C., Fogaça, R.T., Maurer, J.B., Donatti, L., Calder, P.C. and Nishiyama, A., The effectiveness of fish oil supplementation in asthmatic rats is limited by an inefficient action on ASM function. Lipids, 48, 2013, 889-897.
479. Nunes, E.A., Gonçalves-Neto, L.M., Ferreira, F.B., Dos Santos, C., Fernandes, L.C., Boschero, A.C., Calder, P.C. and Rafacho, A., Glucose intolerance induced by glucocorticoid excess is further impaired by co-administration with β-hydroxy-β-methylbutyrate in rats. Applied Physiology, Nutrition and Metabolism, 38, 2013, 1137-1146.
480. Yusof, H.M., Cawood, A.L., Ding, R., Williams, J.A., Napper, F.L., Shearman, C.P., Grimble, R.F., Payne, S.P.

and Calder, P.C., Limited impact of 2 g/day omega-3 fatty acid ethyl esters (Omacor®) on plasma lipids and inflammatory markers in patients awaiting carotid endarterectomy. Marine Drugs, 11, 2013, 3569-3581.
481. Burdge, G.C. and Calder, P.C., Does early n-3 fatty acid exposure alter DNA methylation in the developing human immune system? Clinical Lipidology, 8, 2013, 505-508.
482. Calder, P.C., Long-chain fatty acids and inflammatory processes. In: Calder, P.C. and Yaqoob, P. (eds.) Diet, Immunity and Inflammation. Woodhead Publishing, Cambridge, 2013, pp. 457-483.
483. Masoodi, M., Pearl, D.S., Eiden, M., Shute, J.K., Brown, J.F., Calder, P.C. and Trebble, T.M., Altered colonic mucosal polyunsaturated fatty acid (PUFA) derived lipid mediators in ulcerative colitis: new insight into relationship with disease activity and pathophysiology. PLoSOne, 8, 2013, e76532.
484. Barros, K.V., Carvalho, P.O., Cassulino, A.P., Andrade, I., West, A.L., Miles, E.A., Calder, P.C. and Silveira, V.L., Fatty acids in plasma, white and red blood cells, and tissues after oral or intravenous administration of fish oil in rats. Clinical Nutrition, 32, 2013, 993-998.
485. Pearl, D.S., Masoodi, M., Eiden, M., Brümmer, J., Gullick, D., McKeever, T.M., Whittaker, M.A., Nitch-Smith, H., Brown, J.F., Shute, J.K., Mills, G., Calder, P.C. and Trebble, T.M., Altered colonic mucosal availability of n-3 and n-6 polyunsaturated fatty acids in ulcerative colitis and the relationship to disease activity. Journal of Crohn's and Colitis, 8, 2014, 70-79.
486. Calder, P.C., Metabolic benefits of marine n-3 fatty acids demonstrated in nonhuman primates. Journal of Nutrition, 144, 2014, 1-2.
487. Sorensen, L.S., Thorlacius-Ussing, O., Schmidt, E.B., Rasmussen, H.H., Lundbye-Christensen, S., Calder, P.C. and Lindorff-Larsen, K., Randomized clinical trial of perioperative omega-3 fatty acid supplements in elective colorectal cancer surgery. British Journal of Surgery, 101, 2014, 33-42.
488. Yates, C.M., Calder, P.C. and Rainger G.E., Pharmacology and therapeutics of omega-3 polyunsaturated fatty acids in chronic inflammatory disease. Pharmacology and Therapeutics, 141, 2014, 272-282.
489. Calder, P.C., Limited impact of omega-3 fatty acids in patients with multiple cardiovascular risk factors. Evidence Based Medicine, 19, 2014, 18.
490. Christensen, D.R., Calder, P.C. and Houghton, F.D., Effect of oxygen tension on the amino acid utilisation of human embryonic stem cells. Cellular Physiology and Biochemistry, 33, 2014, 237-246.
491. Calder, P.C. and Deckelbaum, R.J., Dietary fatty acids in health and disease: greater controversy, greater interest. Current Opinion in Clinical Nutrition and Metabolic Care, 17, 2014, 111-115.
492. Walker, C.G., Browning, L.M., Mander, A.P., Madden, J., West, A.L., Calder, P.C. and Jebb, S.A., Age and sex differences in the incorporation of EPA and DHA into plasma fractions, cells and adipose tissue in humans. British Journal of Nutrition, 111, 2014, 679-689.
493. Miles, E.A. and Calder, P.C., Omega-6 and omega-3 polyunsaturated Fatty acids and allergic diseases in infancy and childhood. Current Pharmaceutical Design, 20, 2014, 946-953.
494. Urwin, H.J., Miles, E.A., Noakes, P.S., Kremmyda, L-S., Vlachava, M., Diaper, N.D., Godfrey, K.M., Calder, P.S., Vulevic, J. and Yaqoob, P., Effect of salmon consumption during pregnancy on maternal and infant faecal microbiota, secretory IgA and calprotectin. British Journal of Nutrition, 111, 2014, 773-784.
495. Scorletti, E., Bhatia, L., McCormick, K.G., Clough, G.F., Nash, K., Calder, P.C., Byrne, C.D., on behalf of the WELCOME Trial Investigators., Design and rationale of the WELCOME trial: a randomised, placebo controlled study to test the efficacy of purified long chain omega-3 fatty acid treatment in non-alcoholic fatty liver disease. Contemporary Clinical Trials, 37, 2014, 301-311.
496. Rossary, A., Farges, M-C., Lamas, B., Miles, E.A., Noakes, P.S., Kremmyda, L-S., Vlachava, M., Diaper, N.D., Robinson, S.M., Godfrey, K.M., Calder, P.C. and Vasson, M-P., Increased consumption of salmon during pregnancy partly prevents the decline of some plasma essential amino acid concentrations in pregnant women. Clinical Nutrition, 33, 2014, 267-273.
497. Fisk, H.L., West, A.L., Childs, C.E., Burdge, G.C. and Calder, P.C., The use of gas chromatography to analyze compositional changes of fatty acids in rat liver tissue during pregnancy. Journal of Visualized Experiments, 85, 2014, e51445.
498. Barros, K.V., Cassulino, A.P., Schalch, L., Munhoz, E.D., Manetta, J.A., Calder, P.C. and Silveira, V.L., Pharmaconutrition: acute fatty acid modulation of circulating cytokines in elderly patients in the ICU. JPEN Journal of Parenteral and Enteral Nutrition, 38, 2014, 467-474.
499. Browning, L.M., Walker, C.G., Mander, A.P., West, A.L., Gambell, J., Madden, J., Calder, P.C. and Jebb, S.A., Compared with daily, weekly n-3 PUFA intake affects the incorporation of eicosapentaenoic acid and docosahexaenoic acid into platelets and mononuclear cells in humans. Journal of Nutrition, 144, 2014, 667-672.
500. Calder, P.C., Fishing for improved outcomes in the critically ill. Critical Care Medicine, 42, 2014, 1306-1307.
501. Sorensen, L.S., Rasmussen, H.H., Aardestrup, I.V., Thorlacius-Ussing, O., Lindorff-Larsen, K., Schmidt, E.B. and Calder, P.C., Rapid incorporation of ω-3 fatty acids into colonic tissue after oral supplementation in patients with colorectal aancer: a randomized, placebo-controlled intervention trial. Journal of Parenteral and Enteral Nutrition, 38, 2014, 617-624.
502. Zanatta, A.L., Miranda, D.T., Dias, B.C., Campos, R.M., Massaro, M.C., Michelotto, P.V. Jr, West, A.L., Miles, E.A., Calder, P.C. and Nishiyama, A., Fish oil supplementation decreases oxidative stress but does not affect platelet-activating factor bioactivity in lungs of asthmatic rats. Lipids, 49, 2014, 665-675.
503. Rudkowska, I., Guénard, F., Julien, P., Couture, P., Lemieux, S., Barbier, O., Calder, P.C., Minihane, A.M. and Vohl, M.C., Genome-wide association study of the plasma triglyceride response to an n-3 polyunsaturated fatty acid supplementation. Journal of Lipid Research, 55, 2014, 1245-1253.
504. Childs, C.E. and Calder, P.C., Dietary omega-3 sources during pregnancy and the developing brain: Lessons from studies in rats. In: Omega-3 Fatty Acids in Brain and Neurological Health (Watson, R.R., and de

Meester, F., eds.), Elsevier/Academic Press, London; 2014; pp. 287-302.
505. Hill, C., Guarner, F., Reid, G., Gibson, G.R., Merenstein, D.J., Pot, B., Morelli, L., Canani, R.B., Flint, H.J., Salminen, S., Calder, P.C. and Sanders, M.E., Expert consensus document: The International Scientific Association for Probiotics and Prebiotics consensus statement on the scope and appropriate use of the term probiotic. Nature Reviews in Gastroenterology and Hepatology, 11, 2014, 506-514.
506. Olza, J. and Calder, P.C., Metabolic and inflammatory responses to different caloric loads of a high-fat meal are distinct between normal-weight and obese individuals. Journal of Nutrition, 144, 2014, 1493-144.
507. Scorletti, E., Bhatia, L., McCormick, K.G., Clough, G.F., Nash, K., Hodson, L., Moyses, H.E., Calder, P.C. and Byrne, C.D. on behalf of the WELCOME Study Investigators., Effects of purified eicosapentaenoic and docosahexaenoic acids in non-alcoholic fatty liver disease: Results from the *WELCOME study. Hepatology, 60, 2014, 1211-1221.
508. Sorensen, L.S., Thorlacius-Ussing, O., Rasmussen, H.H., Lundbye-Christensen, S., Calder, P.C., Lindhorff-Larsen, K., and Schmidt, E.B., Effects of perioperative supplementation with omega-3 fatty acids on leukotriene B4 and leukotriene B5 production by stimulated neutrophils in patients with colorectal cancer: a randomized, placebo-controlled intervention trial. Nutrients, 6, 2014, 4043-4057.
509. Calder, P.C., Immunonutrients and evidence for their use in hospitalized adults receiving artificial nutrition. In: Nutrition-Infection Interactions and Impacts on Human Health (Pammi, M., Vallejo, J.G. and Abrams, S.A., eds.), CRC/Taylor & Francis, Boca Raton; 2014; pp. 309-331.
510. Hoile, S.P., Clarke-Harris, R., Huang, R.C., Calder, P.C., Mori, T.A., Beilin, L.J., Lillycrop, K.A. and Burdge, G.C., Supplementation with n-3 long-chain polyunsaturated fatty acids or olive oil in men and women with renal disease induces differential changes in the DNA methylation of FADS2 and ELOVL5 in peripheral blood mononuclear cells. PLoS One, 9, 2014, e109896.
511. Calder, P.C., Very long chain omega-3 (n-3) fatty acids and human health. European Journal of Lipid Science and Technology, 116, 2014, 1280-1300.
512. Calder, P.C., Biomarkers of immunity and inflammation for use in nutrition interventions: International Life Sciences Institute European Branch work on selection criteria and interpretation. Endocrine, Metabolic & Immune Disorders - Drug Targets, 14, 2014, 236-244.
513. Kermack, A.J., Calder, P.C., Houghton, F.D., Godfrey, K.M. and Macklon, N.S., A randomised controlled trial of a preconceptional dietary intervention in women undergoing IVF treatment (PREPARE trial). BMC Women's Health, 14, 2014, 130.
514. Deutz, N.E., Bauer, J.M., Barazzoni, R., Biolo, G., Boirie, Y., Bosy-Westphal, A., Cederholm, T., Cruz-Jentoft, A., Krznariç, Z., Nair, K.S., Singer, P., Teta, D., Tipton, K. and Calder, P.C., Protein intake and exercise for optimal muscle function with aging: Recommendations from the ESPEN Expert Group. Clinical Nutrition, 33, 2014, 929-936.
515. Jacobson, K. and Calder, P.C., Role of omega-6 and omega-3 fatty acids in inflammatory bowel disease. In: Folkerts, G. and Garssen, J. (eds.) Pharma-Nutrition – An Overview. Springer, New York, 2014, pp. 75-89.
516. Burdge, G.C. and Calder, P.C., Introduction to fatty acids and lipids. World Review in Nutrition and Dietetics, 112, 2015, 1-16.
517. Miles, E.A. and Calder. P.C., Fatty acids, lipid emulsions and the immune and inflammatory systems. World Review in Nutrition and Dietetics, 112, 2015, 17-30.
518. Childs, C.E., Kew, S., Finnegan, Y.E., Minihane, A.M., Leigh-Firbank, E.C., Williams, C.M. and Calder, P.C., Increased dietary alpha-linolenic acid has sex-specific effects upon eicosapentaenoic acid status in humans: re-examination of data from a randomised, placebo-controlled, parallel study. Nutrition Journal, 13, 2014, 113.
519. Miles, E.A. and Calder, P.C., Maternal diet and its influence on the development of allergic disease. Clinical and Experimental Allergy, 45, 2015, 63-74.
520. Plank, L.D., Mathur, S., Gane, E.J., Peng, S., Gillanders, L.K., McIlroy, K., Chavez, C.P., Calder, P.C. and McCall, J.L., Perioperative immunonutrition in patients undergoing liver transplantation: A randomized double-blind trial. Hepatology, 61, 2014, 639-647.
521. Calder, P.C., Marine omega-3 fatty acids and inflammatory processes: Effects, mechanisms and clinical relevance. Biochimica et Biophysica Acta Molecular and Cell Biology of Lipids, 1851, 2015, 469-484.
522. Deckelbaum, R.J. and Calder, P.C., From where will all the omega-3 fatty acids come? Current Opinion in Clinical Nutrition and Metabolic Care, 18, 2015, 111-112.
523. Malan, L., Baumgartner, J., Calder, P.C., Zimmermann, M.B. and Smuts, C.M., n-3 Long-chain PUFAs reduce respiratory morbidity caused by iron supplementation in iron-deficient South African schoolchildren: a randomized, double-blind, placebo-controlled intervention. American Journal of Clinical Nutrition, 101, 2015, 668-679.
524. Lim, W.Y., Chong, M., Calder, P.C., Kwek, K., Chong, Y.S., Gluckman, P.D., Godfrey, K.M., Saw, S.M. and Pan, A. on behalf of the GUSTO Study Group., Relations of plasma polyunsaturated fatty acids with blood pressures during the 26th and 28th week of gestation in women of Chinese, Malay, and Indian ethnicity. Medicine (Baltimore), 94, 2015, e571.
525. de Castro, G.S., Cardoso, J.F.R., Calder, P.C., Jordao, A.A. and Vannucchi, H., Fish oil decreases heptatic lipogenic genes in rats fasted and refed on a high fructose diet. Nutrients, 7, 2015, 1644-1656.
526. Bryant, J.A., Hanson, M.A., Peebles, C., Davies, L., Inskip, H.M., Robinson, S.M., Calder, P.C., Cooper, C. and Godfrey, K.M., Higher oily fish consumption in late pregnancy is associated with reduced aortic stiffness in the child at age 9 years. Circulation Research, 116, 2015, 1202-1205.
527. de Castro, G.S., Deminice, R., Simoes-Ambrosio, L.M.C., Calder, P.C., Jordao, A.A. and Vannucchi, H., Dietary docosahexaenoic acid and eicosapentaenoic acid influence liver triacylglycerol and insulin resistance in rats fed a high-fructose diet. Marine Drugs, 13, 2015, 1864-1881.

528. Yu, Y.M., Chan, Y.H., Calder, P.C., Hardjojo, A., Soh, S.E., Lim, A.L., Fisk, H.L., Teoh, O.H., Goh, A., Saw, S.M., Kwek, K., Gluckman, P.D., Godfrey, K.M., Chong, Y.S., Shek, L.P., Pan, A., Chong, M.F. and van Bever, H.P., Maternal PUFA status and offspring allergic diseases up to the age of 18 months. British Journal of Nutrition, 113, 2015, 975-983.
529. Saravanan, P., Calder, P.C. and Davidson, N.C., Omega-3 fatty acids do not suppress atrial fibrillation even in the "inflamed" heart. International Journal of Cardiology, 187, 2015, 445-446.
530. Jones, K.D., Ali, R., Khasira, M.A., Odera, D., West, A.L., Koster, G., Akomo, P., Talbert, A.W., Goss, V.M., Ngari, M., Thitiri, J., Ndoro, S., Knight, M.A., Omollo. K., Ndungu, A., Mulongo, M.M., Bahwere, P., Fegan, G., Warner, J.O., Postle, A.D., Collins, S., Calder, P.C. and Berkley, J.A., Ready-to-use therapeutic food with elevated n-3 polyunsaturated fatty acid content, with or without fish oil, to treat severe acute malnutrition: a randomized controlled trial. BMC Medicine, 13, 2015, 93.
531. Brenna, J.T., Akomo, P., Bahwere, P., Berkley, J.A., Calder, P.C., Jones, K.D., Liu, L., Manary, M., Trehan, I. and Briend, A., Balancing omega-6 and omega-3 fatty acids in ready-to-use therapeutic foods (RUTF). BMC Medicine, 13, 2015, 117.
532. Calder, P.C., Conjugated linoleic acid. In: Castell, L.M., Stear, S.J. and Burke, L.M. (eds.) Nutritional Supplements in Sport, Exercise and Health. Routledge, Abingdon and New York, 2015, pp. 95-96.
533. Calder, P.C., Fatty acids. In: Castell, L.M., Stear, S.J. and Burke, L.M. (eds.) Nutritional Supplements in Sport, Exercise and Health. Routledge, Abingdon and New York, 2015, pp. 114-116.
534. Calder, P.C. and Lindley, M.R., Fish oils. In: Castell, L.M., Stear, S.J. and Burke, L.M. (eds.) Nutritional Supplements in Sport, Exercise and Health. Routledge, Abingdon and New York, 2015, pp. 119-120.
535. Calder, P.C., Linoleic acid. In: Castell, L.M., Stear, S.J. and Burke, L.M. (eds.) Nutritional Supplements in Sport, Exercise and Health. Routledge, Abingdon and New York, 2015, pp. 175.
536. Calder, P.C., □-Linolenic acid. In: Castell, L.M., Stear, S.J. and Burke, L.M. (eds.) Nutritional Supplements in Sport, Exercise and Health. Routledge, Abingdon and New York, 2015, pp. 176.
537. Raiten, D.J., Ashour, F.A., Ross, A.C., Meydani, S.N., Dawson, H.D., Stephensen, C.B., Brabin, B.J., Suchdev, P.S., van Ommen, B., INSPIRE Consultative Group, Inflammation and nutritional science for programs/policies and interpretation of research evidence (INSPIRE). Journal of Nutrition, 145, 2015, 1039S-1108S.
538. Jespersen, L., Tarnow, I., Eskesen, D., Morberg, C.M., Michelsen, B., Bügel, S., Dragsted, L.O., Rijkers, G.T. and Calder, P.C., Effect of Lactobacillus paracasei subsp. paracasei, L. casei 431 on immune response to influenza vaccination and upper respiratory tract infections in healthy adult volunteers: a randomized, double-blind, placebo-controlled, parallel-group study. American Journal of Clinical Nutrition, 101, 2015, 1188-1196.
539. McCormick, K.G., Scorletti, E., Bhatia, L., Calder, P.C., Griffin, M.J., Clough, G.F. and Byrne, C.D., Impact of high dose n-3 polyunsaturated fatty acid treatment on measures of microvascular function and vibration perception in non-alcoholic fatty liver disease: results from the randomised WELCOME trial. Diabetologia, 58, 2015, 1916-1925.
540. Razny, U., Kiec-Wilk, B., Polus, A., Goralska, J., Malczewska-Malec, M., Wnek, D., Zdzienicka, A., Gruca, A., Childs, C.E., Kapusta, M., Slowinska-Solnica, K., Calder, P.C. and Dembinska-Kiec, A., Effect of caloric restriction with or without n-3 polyunsaturated fatty acids on insulin sensitivity in obese subjects: a randomised placebo controlled trial. Biochimica et Biophysica Acta Clinical, 4, 2015, 7-13.
541. Troesch, B., Biesalski, H.K., Bos, R., Buskens, E., Calder, P.C., Saris, W.H.M., Spieldenner, J., Verkade, H.J., Weber, P. and Eggersdorfer, M., Increased intake of foods with high nutrient density can help to break the intergenerational cycle of malnutrition and obesity. Nutrients, 7, 2015, 6016-6037.
542. Chong, M.F., Ong, Y.L., Calder, P.C., Colega, M., Wong, J.X., Tan, C.S., Lim, A.L., Fisk, H.L., Cai, S., Pang, W.W., Broekman, B.F., Saw, S.M., Kwek, K., Godfrey, K.M., Chong, Y.S., Gluckman, P., Meaney, M.J., Chen, H., GUSTO Study Group., Long-chain polyunsaturated fatty acid status during pregnancy and maternal mental health in pregnancy and the postpartum period: results from the GUSTO study. Journal of Clinical Psychiatry, 76, 2015, e848-e856.
543. Walker, C.G., West, A.L., Browning, L.M., Madden, J., Gambell, J.M., Jebb S.A. and Calder, P.C., The pattern of fatty acids displaced by EPA and DHA following 12 Months supplementation varies between blood cell and plasma fractions. Nutrients, 7, 2015, 6281-6293.
544. Calder, P.C., A matter of fat. JPEN Journal of Parenteral and Enteral Nutrition, 39, 2015, 756-758.
545. Calder, P.C., Functional roles of fatty acids and their effects on human health. JPEN Journal of Parenteral and Enteral Nutrition, 39 (1 Suppl), 2015, 18S-32S.
546. Alhamdan, A.A., Alshammari, S.A., Al-Amoud, M.M., Hameed, T.A., Al-Muammar, M.N., Bindawas, S.M., Al-Orf, S.M., Gad, A.A.M., Al-Ghamdi, E.A. and Calder, P.C., Evaluation of health care services provided for older adults in primary health care centers and the internal environment of these centers. Saudi Medical Journal, 36, 2015, 1091-1096.
547. Kermack, A.J., Van Rijn, B.B., Houghton, F.D., Calder, P.C., Cameron, I.T. and Macklon, N.S., The 'Developmental Origins' Hypothesis: relevance to the obstetrician and gynecologist. Journal of Developmental Origins of Health and Disease, 6, 2015, 415-424.
548. Walker, C.G., Browning, L.M., Stecher, L., West, A.L., Madden, J., Jebb, S.A. and Calder, P.C., Fatty acid profile of plasma NEFA does not reflect adipose tissue fatty acid profile. British Journal of Nutrition, 114, 2015, 756-762.
549. Mazurak, V.C., Calder, P.C. and van der Meij, B.S., Let them eat fish. JAMA Oncology, 1, 2015, 840.
550. Lomax, A.R., Cheung, L.V.Y., Noakes, P.S., Miles, E.A. and Calder, P.C., Inulin-type □2-1 fructans have some effect on the antibody response to seasonal influenza vaccination in healthy middle-aged humans.

Frontiers in Immunology, 6, 2015, 490.
551. Minihane, A.M., Vinoy, S., Russell, W.R., Baka, A., Roche, H.M., Tuohy, K.M., Teeling, J.L., Blaak, E.E., Fenech, M., Vauzour, D., McArdle, H.J., Kremer, B.H., Sterkman, L., Vafeiadou, K., Benedetti, M.M., Williams, C.M. and Calder, P.C., Low-grade inflammation, diet composition and health: current research evidence and its translation. British Journal of Nutrition, 114, 2015, 999-1012.
552. Calder, P.C., Comment on Christiansen et al.: When food met pharma. British Journal of Nutrition, 114, 2015, 1109-1110.
553. Raederstorff, D., Wyss, A., Calder, P.C., Weber, P. and Eggersdorfer, M., Vitamin E function and requirements in relation to PUFA. British Journal of Nutrition, 114, 2015, 1113-1222.
554. Calder, P.C., Fatty acids: Metabolism. In: Caballero, B., Finglas, P., and Toldrá, F. (eds.) The Encyclopedia of Food and Health vol. 2, 2016, pp. 632-644; Oxford: Academic Press.
555. Calder, P.C., Omega-3 polyunsaturated fatty acids and metabolic syndrome. In: Dichi, I. and Colado Simao, A.N. (eds.), Nutritional Intervention in Metabolic Syndrome, 2015, pp.249-270; CRC/Taylor & Francis, Boca Raton.
556. Phillips, M.A., Childs, C.E., Calder, P.C. and Rogers, P.J., No effect of omega-3 fatty acid supplementation on cognition and mood in individuals with cognitive impairment and probable Alzheimer's Disease: A randomised controlled trial. International Journal of Molecular Sciences, 16. 2015, 24600-24613.
557. Scorletti, E., West, A.L., Bhatia, L., Hoile, S.P., McCormick, K.G., Burdge, G.C., Lillycrop, K.A., Clough, G.F., Calder, P.C. and Byrne, C.D., Treating liver fat and serum triglyceride levels in NAFLD, effects of PNPLA3 and TM6SF2 genotypes: Results from the WELCOME trial. Journal of Hepatology, 63, 2015, 1476-1483.
558. Veleba, J., Kopecky, J. Jr., Janovska, P., Kuda, O., Horakova, O., Malinska, H., Kazdova, L., Oliyarnyk, O., Skop, V., Trnovska, J., Hajek, M., Skoch, A., Flachs, P., Bardova, K., Rossmeisl, M., Olza, J., de Castro, G.S., Calder, P.C., Gardlo, A., Fiserova, E., Jensen, J., Bryhn, M., Kopecky, J. Sr. and Pelikanova, T., Combined intervention with pioglitazone and n-3 fatty acids in metformin-treated type 2 diabetic patients: improvement of lipid metabolism. Nutrition and Metabolism, 12, 2015, 52.
559. Christensen, D.R., Calder, P.C. and Houghton, F.D., GLUT3 and PKM2 regulate OCT4 expression and support the hypoxic culture of human embryonic stem cells. Scientific Reports, 5, 2015, 17500.
560. Poggi, P., Mirabella, R., Neri, S., Assirelli, E., Dolzani, P., Mariani, E., Calder, P.C. and Chatgilialoglu, A., Membrane fatty acid heterogeneity of leukocyte classes is altered during in vitro cultivation but can be restored with ad-hoc lipid supplementation. Lipids in Health and Disease, 14, 2015, 165.
561. Bhatia, L., Scorletti, E., Curzen, N., Clough, G.F., Calder, P.C. and Byrne, C.D., Improvement in non-alcoholic fatty liver disease severity is associated with a reduction in carotid intima-media thickness a progression. Atherosclerosis, 246, 2016, 13-20.
562. Malan, L., Baumgartner, J., Zandberg, L., Calder, P.C. and Smuts, C.M., Iron and a mixture of DHA and EPA supplementation, alone and in combination, affect bioactive lipid signalling and morbidity of iron deficient South African school children in a two-by-two randomised controlled trial. Prostaglandins, Leukotrienes and Essential Fatty Acids, 105, 2016, 15-25.
563. Nobili, V., Alisi, A., Musso, G., Scorletti, E., Calder, P.C. and Byrne, C.D., Omega-3 fatty acids: Mechanisms of benefit and therapeutic effects in pediatric and adult NAFLD. Critical Reviews in Clinical Laboratory Sciences, 53, 2016, 106-120.
564. Średnicka-Tober, D., Barański, M., Seal, C., Sanderson, R., Benbrook, C., Steinshamn, H., Gromadzka-Ostrowska, J., Rembiałkowska, E., Skwarło-Sońta, K., Eyre, M., Cozzi, G., Krogh Larsen, M., Jordon, T., Niggli, U., Sakowski, T., Calder, P.C., Burdge, G.C., Sotiraki, S., Stefanakis, A., Yolcu, H., Stergiadis, S., Chatzidimitriou, E., Butler, G., Stewart, G. and Leifert, C., Composition differences between organic and conventional meat: a systematic literature review and meta-analysis. British Journal of Nutrition, 115, 2016, 994-1011.
565. Średnicka-Tober, D., Barański, M., Seal, C.J., Sanderson, R., Benbrook, C., Steinshamn, H., Gromadzka-Ostrowska, J., Rembiałkowska, E., Skwarło-Sońta, K., Eyre, M., Cozzi, G., Larsen, M.K., Jordon, T., Niggli, U., Sakowski, T., Calder, P.C., Burdge, G.C., Sotiraki, S., Stefanakis, A., Stergiadis, S., Yolcu, H., Chatzidimitriou, E., Butler, G., Stewart, G. and Leifert, C., Higher PUFA and n-3 PUFA, conjugated linoleic acid, α-tocopherol and iron, but lower iodine and selenium concentrations in organic milk: a systematic literature review and meta- and redundancy analyses. British Journal of Nutrition, 115, 2016, 1043-1060.
566. Minihane, A.M., Armah, C.K., Miles, E.A., Madden, J.M., Clark, A.B., Caslake, M.J., Packard, C.J., Kofler, B.M., Lietz, G., Curtis, P.J., Mathers, J.C., Williams, C.M. and Calder, P.C., Consumption of fish oil providing amounts of eicosapentaenoic acid and docosahexaenoic acid that can be obtained from the diet reduces blood pressure in adults with systolic hypertension: a retrospective analysis. Journal of Nutrition, 146, 2016, 516-523.
567. Rice, H.B., Bernasconi, A., Maki, K.C., Harris, W.S., von Schacky, C. and Calder, P.C., Conducting omega-3 clinical trials with cardiovascular outcomes: Proceedings of a workshop held at ISSFAL 2014. Prostaglandins Leukotrienes and Essential Fatty Acids, 107, 2016, 30-42.
568. Xie, K., Miles, E.A. and Calder, P.C., A review of the potential health benefits of pine nut oil and its characteristic fatty acid pinolenic acid. Journal of Functional Foods, 23, 2016, 464-473.
569. Calder, P.C., Polyunsaturated fatty acids, inflammatory processes and rheumatoid arthritis. In: Bonakdar, R.A, and Sukiennik, A.W., Eds., Integrative Pain Management. Oxford University Press, Oxford & New York, 2016, 282-305.
570. Calder, P.C. and Singer, P., Use of lipids as energy substrates. In: Preiser J-C., Ed., The Stress Response of Critical Illness, Springer, Switzerland, 2016, 61-74.
571. Skevaki, C., Van den Berg, J., Jones, N., Garssen, J., Vuillermin, P., Levin, M., Landay, A., Renz, H., Calder,

P.C. and Thornton, C.A., Immune biomarkers in the spectrum of childhood noncommunicable diseases. Journal of Allergy and Clinical Immunology, 137, 2016, 1302-1316.
572. Malan, L., Baumgartner, J., Calder, P.C. and Smuts, C.M., Low immune cell ARA and high plasma 12-HETE and 17-HDHA in iron-deficient South African school children with allergy. Prostaglandins, Leukotrienes and Essential Fatty Acids, 110, 2016, 35-41.
573. Clough, G.F., McCormick, K.G., Scorletti, E., Bhatia, L., Calder, P.C., Griffin, M.J. and Byrne, C.D., Higher body fat percentage is associated with enhanced temperature perception in NAFLD: results from the randomised Wessex Evaluation of fatty Liver and Cardiovascular markers in NAFLD with OMacor thErapy trial (WELCOME) trial. Diabetologia, 2016, 59, 1422-1429.
574. Calder, P.C., A hole in the diet-heart hypothesis? Nature Reviews Cardiology, 13, 2016, 385-386.
575. Olthof, E.D., Roelofs, H.M., Fisk, H.L., Calder, P.C. and Wanten, G.J., No clinical or biochemical evidence for essential fatty acid deficiency in home patients who depend on long-term mixed olive oil- and soybean oil-based parenteral nutrition. Journal of Parenteral and Enteral Nutrition, 40, 2016, 982-988.
576. Del Bas, J.M., Caimari, A., Rodriguez-Naranjo, M.I., Childs, C.E., Paras Chavez, C., West, A.L., Miles, E.A., Arola, L. and Calder, P.C., Impairment of lysophospholipid metabolism in obesity: altered plasma profile and desensitization to the modulatory properties of n-3 polyunsaturated fatty acids in a randomized controlled trial. American Journal of Clinical Nutrition, 104, 2016, 266-279.
577. Baker, E.J., Miles, E.A., Burdge, G.C., Yaqoob, P. and Calder, P.C., Metabolism and functional effects of plant-derived omega-3 fatty acids in humans. Progress in Lipid Research, 64, 2016, 30-56.
578. Polus, A., Zapala, B., Razny, U., Gielicz, A., Kiec-Wilk, B., Malczewska-Malec, M., Sanak, M., Childs, C.E., Calder, P.C. and Dembinska-Kiec, A., Omega-3 fatty acid supplementation influences the whole blood transcriptome in women with obesity, associated with pro-resolving lipid mediator production. Biochimica et Biophysica Acta Molecular and Cell Biology of Lipids, 1861, 2016, 1746-1755.
579. Calder, P.C. and Willemsen, L.E., Immunopharmacology of fatty acids. European Journal of Pharmacology, 785, 2016, 1.
580. Lin, N., Shi, J.J., Li, Y.M., Zhang, X.Y., Chen, Y., Calder, P.C. and Tang, L.J., What is the impact of n-3 PUFAs on inflammation markers in Type 2 diabetic mellitus populations?: a systematic review and meta-analysis of randomized controlled trials. Lipids in Health and Disease, 15, 2016, 133.
581. West, A.L., Burdge, G.C. and Calder, P.C., Lipid structure does not modify incorporation of EPA and DHA into blood lipids in healthy adults: a randomised-controlled trial. British Journal of Nutrition, 116, 2016, 788-797.
582. Hall, T.C., Bilku, D.K., Neal, C.P., Cooke, J., Fisk, H.L., Calder, P.C. and Dennison, A.R., The impact of an omega-3 fatty acid rich lipid emulsion on fatty acid profiles in critically ill septic patients. Prostaglandins Leukotrienes and Essential Fatty Acids, 112, 2016, 1-11.
583. Händel, M.N., Moon, R.J., Titcombe, P., Abrahamsen, B., Heitmann, B.L., Calder, P.C., Dennison, E.M., Robinson, S.M., Godfrey, K.M., Inskip, H.M., Cooper, C. and Harvey, N.C., Maternal serum retinol and β-carotene concentrations and neonatal bone mineralization: results from the Southampton Women's Survey cohort. American Journal of Clinical Nutrition, 104, 2016, 1183-1188.
584. Rodrigues, H.G., Vinolo, M.A., Sato, F.T., Magdalon, J., Kuhl, C.M., Yamagata, A.S., Pessoa, A.F., Malheiros, G., Dos Santos, M.F., Lima, C., Farsky, S.H., Camara, N.O., Williner, M.R., Bernal, C.A., Calder, P.C. and Curi, R., Oral administration of linoleic acid induces new vessel formation and improves skin wound healing in diabetic rats. PLoS One, 2016, 11, e0165115.
585. Saravanan, P., West, A.L., Bridgewater, B., Davidson, N.C., Calder, P.C., Dobrzynsky, H., Trafford, A. and O'Neill, S.C., Omega-3 fatty acids do not alter P-wave parameters in electrocardiogram or expression of atrial connexins in patients undergoing coronary artery bypass surgery. Europace, 2016, 18, 1521-1527.
586. Calder, P.C., Docosahexaenoic acid. Annals of Nutrition and Metabolism, 69 (suppl. 1), 2016, 8-21.
587. Calder, P.C., Nutrition and the immune response. In: Kulkarni, A.D., Calder, P. and Ito, T., Eds., Clinician's Guide to AHCC, ICNIM, Japan, 2016, 43-53.
588. Calder, P.C., The role of food in regulating host biology. In: Kulkarni, A.D., Calder, P. and Ito, T., Eds., Clinician's Guide to AHCC, ICNIM, Japan, 2016, 164-171.
589. Richard, C. and Calder, P.C. Docosahexaenoic acid. Advances in Nutrition, 7, 2016, 1139-1141.
590. Garcia-Rodriguez, C.E., Olza, J., Mesa, M.D., Aguilera, C.M., Miles, E.A., Noakes, P.S., Vlachava, M., Kremmyda, L.S., Diaper, N.D., Godfrey, K.M., Calder, P.C. and Gil, A., Fatty acid status and antioxidant defense system in mothers and their newborns after salmon intake during late pregnancy. Nutrition, 33, 2017, 157-162.
591. Chatgilialoglu, A., Rossi, M., Alviano, F., Poggi, P., Zannini, C., Marchionni, C., Ricci, F., Tazzari, P.L., Taglioli, V., Calder, P.C. and Bonsi, L., Restored in vivo-like membrane lipidomics positively influence in vitro features of cultured mesenchymal stromal/stem cells derived from human placenta. Stem Cell Research and Therapy, 8, 2017, 31.
592. Sioen, I., van Lieshout, L., Eilander, A., Fleith, M., Lohner, S., Szommer, A., Petisca, C., Eussen, S., Forsyth, S., Calder, P.C., Campoy, C. and Mensink, R.P., Systematic review on n-3 and n-6 polyunsaturated fatty acid intake in European countries in light of the current recommendations - Focus on specific population groups. Annals of Nutrition and Metabolism, 70, 2017, 39-50.
593. Eltweri, A.M., Thomas, A.L., Metcalfe, M., Calder, P.C., Dennison, A.R. and Bowrey, D.J., Potential applications of fish oils rich in omega-3 polyunsaturated fatty acids in the management of gastrointestinal cancer. Clinical Nutrition, 36, 2017, 65-78.
594. Garla, P., Garib, R., Torrinhas, R.S., Machado, M.C., Calder, P.C. and Waitzberg, D.L., Effect of parenteral infusion of fish oil-based lipid emulsion on systemic inflammatory cytokines and lung eicosanoid levels in

experimental acute pancreatitis. Clinical Nutrition, 36, 2017, 302-308.
595. Bermon, S., Castell, L.M., Calder, P.C., Bishop, N.C., Blomstrand, E., Mooren, F.C., Krüger, K., Kavazis, A.N., Quindry, J.C., Senchina, D.S., Nieman, D.C., Gleeson, M., Pyne, D.B., Kitic, C.M., Close, G.L., Larson-Meyer, D.E., Marcos, A., Meydani, S.N., Walsh, N.P. and Nagatomi. R., Consensus statement immunonutrition and exercise. Exercise Immunology Review, 23, 2017, 8-50.
596. Meital, L.T., Sandow, S.L., Calder, P.C. and Russell, F.D., Abdominal aortic aneurysm and omega-3 polyunsaturated fatty acids: Mechanisms, animal models, and potential treatment. Prostaglandins Leukotrienes and Essential Fatty Acids, 118, 2017, 1-9.
597. Barazzoni, R., Deutz, N.E., Biolo, G., Bischoff, S., Boirie, Y., Cederholm, T., Cuerda, C., Delzenne, N., Leon Sanz, M., Ljungqvist, O., Muscaritoli, M., Pichard, C., Preiser, J.C., Sbraccia, P., Singer, P., Tappy, L., Thorens, B., Van Gossum, A., Vettor, R. and Calder, P.C., Carbohydrates and insulin resistance in clinical nutrition: Recommendations from the ESPEN expert group. Clinical Nutrition, 36, 2017, 355-363.
598. Marino, L.V. and Calder, P.C., Glutamine and the immune system. In: Meynial-Denis, D., Ed., Glutamine: Biochemistry, Physiology and Clinical Applications, CRC Press/Taylor & Francis, Boca Raton, USA, 2017, 293-314.
599. Calder, P.C., Dietary fatty acids, lipid mediators, immunity, and inflammation. In: Akoh, C.C., Ed., Food Lipids – Chemistry, Nutrition and Biotechnology, CRC Press/Taylor and Francis, Boca Raton, USA, 2017, 627-638.
600. Godfrey, K.M., Cutfield, W., Chan, S-Y., Baker, P.N., Chong, Y-S, and NiPPeR Study Group., Nutritional intervention preconception and during pregnancy to maintain healthy glucose metabolism and offspring health ("NiPPeR"): a study protocol for a randomised controlled trial. Trials, 18, 2017, 131.
601. Calder, P.C., New evidence that omega-3 fatty acids have a role in primary prevention of coronary heart disease. Journal of Public Health and Emergency, 1, 2017, 35.
602. Souza, C.O., Teixeira, A.A., Biondo, L.A., Silveira, L.S., Calder, P.C. and Rosa Neto, J.C., Palmitoleic acid reduces the inflammation in LPS-stimulated macrophages by inhibition of NFκB, independently of PPARs. Clinical and Experimental Pharmacology and Physiology, 44, 2017, 566-575.
603. Eltweri, A.M., Thomas, A.L., Fisk, H.L., Arshad, A., Calder, P.C., Dennison, A.R. and Bowrey, D.J., Plasma and erythrocyte uptake of omega-3 fatty acids from an intravenous fish oil based lipid emulsion in patients with advanced oesophagogastric cancer. Clinical Nutrition, 36, 2017, 768-774.
604. Fuller, R., Moore, M.V., Lewith, G., Stuart, B.L., Ormiston, R.V., Fisk, H.L., Noakes, P.S. and Calder, P.C., Yeast-derived □-1,3/1,6 glucan, upper respiratory tract infection and innate immunity in older adults. Nutrition, 39-40, 2017, 30-35.
605. Loy, S.L., Ng, M.J., Cheung, Y.B., Godfrey, K.M., Calder, P.C., Lek, N., Yap, F., Müller-Riemenschneider, F., Natarajan, P., Chong, Y.S., Tan, K.H., Shek, L.P., Chong, M.F. and Chan, J.K., Plasma ω-3 fatty acids in pregnancy are inversely associated with postpartum weight retention in a multiethnic Asian cohort. American Journal of Clinical Nutrition, 105, 2017, 1158-1165.
606. Calder, P.C., Omega-3: The good oil. Nutrition Bulletin, 42, 2017, 132-140.
607. Abdulrazaq, M., Innes, J.K. and Calder, P.C., Effect of w-3 polyunsaturated fatty acids on arthritic pain: a systematic review. Nutrition, 39-40, 2017, 57-66.
608. Calder, P.C., Boobis, A., Braun, D., Champ, C.L., Dye, L., Einöther, S., Greyling, A., Matthys, C., Putz, P., Wopereis, S., Woodside, J.V. and Antoine, J.M., Improving selection of markers in nutrition research: evaluation of the criteria proposed by the ILSI Europe Marker Validation Initiative. Nutrition Research Reviews, 30, 2017, 73-81.
609. Lillycrop, K., Murray, R., Cheong, C., The, A.L., Clarke-Harris, R., Barton, S., Costello, P., Garratt, E., Cook, E., Titcombe, P., Shunmuganathan, B., Liew, S.J., Chua, Y.C., Lin, X., Wu, Y., Burdge, G.C., Cooper, C., Inskip, H.M., Karnani, N., Hopkins, J.C., Childs, C.E., Chavez, C.P., Calder, P.C., Yap, F., Lee, Y.S., Chong, Y.S., Melton, P.E., Beilin, L., Huang, R.C., Gluckman, P.D., Harvey, N., Hanson, M.A., Holbrook, J.D., EpiGen Consortium and Godfrey, K.M., ANRIL promoter DNA methylation: A perinatal marker for later adiposity. EBioMedicine, 19, 2017, 60-72.
610. Jeffery, L., Fisk, H.L., Calder, P.C., Filer, A., Raza, K., Buckley, C.D., McInnes, I., Taylor, P.C. and Fisher, B.A., Plasma levels of eicosapentaenoic acid are associated with anti-TNF responsiveness in rheumatoid arthritis and inhibit the etanercept-driven rise in Th17 cell differentiation in vitro. Journal of Rheumatology, 44, 2017, 748-756.
611. Bernard, J.Y., Tint, M-T., Aris, I.M., Chen, L-W., Quah, P.L., Tan, K.H., Yeo, G.S-H., Fortier, M.V., Yap, F., Shek, L., Chong, Y-S., Gluckman, P.D., Godfrey, K.M., Calder, P.C., Chong, M.F.F., Kramer, M.S., Botton, J. and Lee, Y.S., Maternal plasma phosphatidylcholine polyunsaturated fatty acids during pregnancy and offspring growth and adiposity. Prostaglandins Leukotrienes and Essential Fatty Acids, 121, 2017, 21-29.
612. Miles, E.A. and Calder, P.C., The influence of the position of palmitate in infant formula triacylglycerols on health outcomes. Nutrition Research, 44, 2017, 1-8.
613. Miles, E.A. and Calder, P.C., Can early omega-3 fatty acid exposure reduce risk of childhood allergic disease? Nutrients, 9, 2017, 784.
614. Hodson, L., Bhatia, L., Scorletti, E., Smith, D.E., Jackson, N.C., Shojaee-Moradie, F., Umpleby, M., Calder, P.C. and Byrne, C.D., Docosahexaenoic acid enrichment in NAFLD is associated with improvements in hepatic metabolism and hepatic insulin sensitivity: a pilot study. European Journal of Clinical Nutrition, 71, 2017, 973-979.
615. Arends, J., Baracos, V., Bertz, H., Bozzetti, F., Calder, P.C., Deutz, N.E.P., Erickson, N., Laviano, A., Lisanti, M.P., Lobo, D.N., McMillan, D.C., Muscaritoli, M., Ockenga, J., Pirlich, M., Strasser, F., de van der Schueren, M., Van Gossum, A., Vaupel, P. and Weimann, A., ESPEN expert group recommendations for action against

cancer-related malnutrition. Clinical Nutrition, 36, 2017, 1187-1196.
616. Stanley, E.G., Jenkins, B.J., Walker, C.G., Koulman, A., Browning, L., West, A.L., Calder, P.C., Jebb, S.A. and Griffin, J.L., Lipidomics profiling of human adipose tissue identifies a pattern of lipids associated with fish oil supplementation. Journal of Proteome Research, 16, 2017, 3168-3179.
617. Bargalló, N., Gilabert, R., Romero-Mamani, E-S., Cofán, M., Calder, P.C., Fitó, M., Corella, D., Salas-Salvadó, J., Ruiz-Canela, M., Estruch, R., Ros, E. and Sala-Vila, A., Red blood cell eicosapentaenoic acid inversely relates to MRI-assessed carotid plaque lipid core burden in elders at high cardiovascular risk. Nutrients, 9, 2017, 1036.
618. Barros, K.V., Flor Silveira, V.L., Laranjeira, M.S., Wandalsen, N.F., Passeti, S., de Oliveira, R., Munekata, R.V., Noakes, P.S., Miles, E.A. and Calder, P.C., Evidence for involvement of IL-9 and IL-22 in cows' milk allergy in infants. Nutrients, 9, 2017, 1048.
619. Calder, P.C., Bosco, N., Bourdet-Sicard, R., Capuron, L., Delzenne, N., Doré, J., Franceschi, C., Lehtinen, M.J., Recker, T., Salvioli, S. and Visioli, F., Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. Ageing Research Reviews, 40, 2017, 95-119.
620. Calder, P.C., Omega-3 fatty acids and inflammatory processes: from molecules to man. Biochemical Society Transactions, 45, 2017, 1105-1115.
621. Calder, P.C. and Sonnenfeld, G. Introduction to the immune system. In: Calder, P.C. and Kulkarni, A.D., Eds., Nutrition, Immunity and Infection. CRC Press/Taylor and Francis, Boca Raton, USA, 2017, 1-18.
622. Chagas, T.R., Borges, D.S., de Oliveira, P.F., Mocellin, M.C., Barbosa, A.M., Camargo, C.Q., Del Moral, J.Â.G., Poli, A., Calder, P.C., Trindade, E.B.S.M and Nunes, E.A., Oral fish oil positively influences nutritional-inflammatory risk in patients with haematological malignancies during chemotherapy with an impact on long-term survival: a randomised clinical trial. Journal of Human Nutrition and Dietetics, 30, 2017, 681-692.
623. Calder, P.C., Commentary: New meta-analysis confirms the long established triacylglycerol-lowering effect of omega-3 fatty acids given in supplemental form. European Journal of Lipid Science and Technology, 119, 2017, 1700239.
624. Childs, C.E. and Calder, P.C., Modifying the gut microbiome through diet: effects on the immune system of elderly subjects. In: Fulop, T., Franceschi, C., Hirokawa, K., Pawelec, G. (Eds.), Handbook of Immunosensecence. Springer Publishing, 2017, 31 pp.
625. Mortensen, L.M., Lundbye-Christensen, S., Schmidt, E.B., Calder, P.C., Schierup, M.H., Tjønneland, A., Parner, E.T. and Overvad, K., Long-chain n-3 and n-6 polyunsaturated fatty acids and risk of atrial fibrillation: Results from a Danish cohort study. PLoS One, 12, 2017, e0190262.

626. de Souza, C.O., Vannice, G.K., Rosa Neto, J.C. and Calder, P.C., Is palmitoleic acid a plausible nonpharmacological strategy to prevent or control chronic metabolic and inflammatory disorders? Molecular Nutrition and Food Research, 62, 2018, 1700504.
627. Calder, P.C., Very long-chain n-3 fatty acids and human health: fact, fiction and the future. Proceedings of the Nutrition Society, 77, 2018, 52-72.
628. Calder, P.C., Adolph, M., Deutz, N.E., Grau, T., Innes, J.K., Klek, S., Lev, S., Mayer, K., Michael-Titus, A.T., Pradelli, L., Puder, M., Vlaardingerbroek, H. and Singer, P., Lipids in the intensive care unit: Recommendations from the ESPEN Expert Group. Clinical Nutrition, 37, 2018, 1-18.
629. de Castro, G.S. and Calder, P.C., Non-alcoholic fatty liver disease and its treatment with n-3 polyunsaturated fatty acids. Clinical Nutrition, 37, 2018, 37-55.
630. Jones, C.J. and Calder, P.C., Influence of different intravenous lipid emulsions on fatty acid status and laboratory and clinical outcomes in adult patients receiving home parenteral nutrition: A systematic review. Clinical Nutrition, 37, 2018, 285-291.
631. Calder, P.C., Laviano, A., Lonnqvist, F., Muscaritoli, M., Öhlander, M. and Schols, A., Targeted medical nutrition for cachexia in chronic obstructive pulmonary disease: a randomized, controlled trial. Journal of Cachexia, Sarcopenia and Muscle, 9, 2018, 28-40.
632. Innes, J.K. and Calder, P.C., The differential effects of eicosapentaenoic acid and docosahexaenoic acid on cardiometabolic risk factors: A systematic review. International Journal of Molecular Sciences, 19, 2018, 532.
633. Sibbons, C.M., Irvine, N.A., Perez-Mojica, J.E., Calder, P.C., Lillycrop, K.A., Fielding, B.A. and Burdge, G.C., Polyunsaturated fatty acid biosynthesis involving Δ8 desaturation and differential DNA methylation of *FADS2* regulates proliferation of human peripheral blood mononuclear cells. Frontiers in Immunology, 9, 2018, 432.
634. Forsyth, S., Calder, P.C., Zotor, F., Amuna, P., Meyer, B. and Holub, B., Dietary docosahexaenoic acid and arachidonic acid in early life: What Is the best evidence for policymakers? Annals of Nutrition and Metabolism, 72, 2018, 210-222.
635. Rogero, M.M. and Calder, P.C., Obesity, inflammation, toll-like receptor 4 and fatty acids. Nutrients, 10, 2018, 432.
636. Edward, R-R., Innes, J.K., Marino, L.V. and Calder, P.C., Influence of different intravenous lipid emulsions on growth, development and laboratory and clinical outcomes in hospitalised paediatric patients: A systematic review. Clinical Nutrition, 37, 2018, 765-783.
637. Innes, J.K. and Calder, P.C., Omega-6 fatty acids and inflammation. Prostaglandins Leukotrienes and Essential Fatty Acids, 132, 2018, 41-48.
638. Jeansen, S., Witkamp, R.F., Garthoff, J.A., van Helvoort, A. and Calder, P.C., Fish oil LC-PUFAs do not affect blood coagulation parameters and bleeding manifestations: Analysis of 8 clinical studies with selected patient groups on omega-3-enriched medical nutrition. Clinical Nutrition, 37, 2018, 948-957.

639. Beitz, D.C., Banz, W.J., Brenna, T. and Calder, P.C., Omega-3 Fatty Acids: Health Benefits and Recommendations. Council for Agricultural Science and Technology Special Publication 32, 2018.
640. Calder, P.C., Metabolism of polyunsaturated fatty acids by cells of the immune system. In: Burdge, G.C. (Ed.), Polyunsaturated Fatty Acid Metabolism. Academic Press and AOCS Press, London, 2018, 135-155.
641. Castro-Herrera, V., Lown, M., Lewith, G., Miles, E.A. and Calder, P.C., Influence of delayed sample processing on blood immune cell phenotypes, immune cell responses and serum anti-influenza vaccine antibody titres. Journal of Immunological Methods, 458, 2018, 8-14.
642. Crozier, S.R., Sibbons, C.M., Fisk, H.L., Godfrey, K.M., Calder, P.C., Gale, C.R., Robinson, S.M., Inskip, H.M., Baird, J., Harvey, N.C., Cooper, C., Burdge, G.C., Southampton Women's Survey (SWS) Study Group., Arachidonic acid and DHA status in pregnant women is not associated with cognitive performance of their children at 4 or 6-7 years. British Journal of Nutrition, 119, 2018, 1400-1407.
643. Robinson, S.M., Crozier, S.R., Miles, E.A., Gale, C.R., Calder, P.C., Cooper, C., Inskip, H.M. and Godfrey, K.M., Preconception maternal iodine status is positively associated with IQ but not with measures of executive function in childhood. Journal of Nutrition, 148, 2018, 959-966.
644. Bork, C.S., Venø, S.K., Lundbye-Christensen, S., Jakobsen, M.U., Tjønneland, A., Calder, P.C., Overvad, K. and Schmidt, E.B., Adipose tissue content of alpha-linolenic acid and the risk of ischemic stroke and ischemic stroke subtypes: A Danish case-cohort study. PLoS One, 13, 2018, e0198927.
645. Bird, J.K., Calder, P.C. and Eggersdorfer, M., The role of n-3 long chain polyunsaturated fatty acids in cardiovascular disease prevention, and interactions with statins. Nutrients, 10, 2018, 775.
646. Cai, W., Calder, P.C., Cury-Boaventura, M.F., De Waele, E., Jakubowski, J. and Zaloga, G., Biological and clinical aspects of an olive oil-based lipid emulsion—a review. Nutrients, 10, 2018, 776.
647. Scorletti, E., Afolabi, P.R., Miles, E.A., Smith, D.E., Almehmadi, A., Alshathry, A., Moyses, H.E., Clough, G.F., Wright, M., Patel, J., Bindels, L., Delzenne, N.M., Calder, P.C. and Byrne, C.D., Design and rationale of the INSYTE study: A randomised, placebo controlled study to test the efficacy of a synbiotic on liver fat, disease biomarkers and intestinal microbiota in non-alcoholic fatty liver disease. Contemporary Clinical Trials, 71, 2018, 113-123.
648. de Pablo, P., Romaguera, D., Fisk, H.L., Calder, P.C., Quirke, A.M., Cartwright, A.J., Panico, S., Mattiello, A., Gavrila, D., Navarro, C., Sacerdote, C., Vineis, P., Tumino, R., Ollier, W.E., Michaud, D.S., Riboli, E., Venables, P.J. and Fisher, B.A., High erythrocyte levels of the n-6 polyunsaturated fatty acid linoleic acid are associated with lower risk of subsequent rheumatoid arthritis in a southern European nested case-control study. Annals of the Rheumatic Diseases, 77, 2018, 981-987.
649. Bezan, P.N., Holland, H., de Castro, G.S., Cardoso, J.F.R., Ovidio, P.P., Calder, P.C. and Jordao, A.A., High dose of a conjugated linoleic acid mixture increases insulin resistance in rats fed either a low fat or a high fat diet. Experimental and Clinical Endocrinology and Diabetes, 126, 2018, 379-386.
650. Fisk, H.L., Irvine, M., Miles, E.A., Lietz, G., Mathers, J.C., Packard, C.J., Armah, C.K., Kofler, B.M., Curtis, P.J., Minihane, A.M. and Calder, P.C., Association of oily fish intake, sex, age, BMI and APOE genotype with plasma long-chain n-3 fatty acid composition. British Journal of Nutrition, 120, 2018, 23-32.
651. Bernard, J.Y., Pan, H., Aris, I.M., Moreno-Betancur, M., Soh, S.E., Yap, F., Tan, K.H., Shek, L.P., Chong, Y.S., Gluckman, P.D., Calder, P.C., Godfrey, K.M., Chong, M.F., Kramer, M.S., Karnani, N. and Lee, Y.S., Long-chain polyunsaturated fatty acids, gestation duration, and birth size: a Mendelian randomization study using fatty acid desaturase variants. American Journal of Clinical Nutrition, 108, 2018, 92-100.
652. Calder, P.C., Carding, S.R., Christopher, G., Kuh, D., Langley-Evans, S.C. and McNulty, H., A holistic approach to healthy ageing: how can people live longer, healthier lives? Journal of Human Nutrition and Dietetics, 31, 2018, 439-450.
653. Tobin, D., Brevik-Andersen, M., Qin, Y., Innes, J.K. and Calder, P.C., Evaluation of a high concentrate omega-3 for correcting the omega-3 fatty acid nutritional deficiency in non-alcoholic fatty liver disease (CONDIN). Nutrients, 10, 2018, 1126.
654. Calder, P.C., 90th Anniversary Commentary: ω-3 Fatty acids, cytokines, and lymphocyte proliferation in young and older women. Journal of Nutrition, 148, 2018, 1663-1666.
655. Afolabi, P.R., Scorletti, E., Smith, D.E., Almehmadi, A.A., Calder, P.C. and Byrne, C.D., The characterisation of hepatic mitochondrial function in patients with non-alcoholic fatty liver disease (NAFLD) using the ^{13}C-ketoisocaproate breath test. Journal of Breath Research, 12, 2018, 046002.
656. Bonvini, A., Coqueiro, A.Y., Tirapegui, J., Calder, P.C. and Rogero M.M., Immunomodulatory role of branched-chain amino acids. Nutrition Reviews, 76, 2018, 840-856.
657. Maggini, S., Pierre, A. and Calder, P.C., Immune function and micronutrient requirements change over the life course. Nutrients, 10, 2018, 1531.
658. de Souza, C.O., Valenzuela, C.A., Baker, E.J., Miles, E.A., Rosa Neto, J.C. and Calder, P.C., Palmitoleic acid has stronger anti-inflammatory potential in human endothelial cells compared to oleic and palmitic acids. Molecular Nutrition and Food Research, 62, 2018, 1800322.
659. Baker, E.J., Yusof, M.H., Yaqoob, P., Miles, E.A. and Calder, P.C., Omega-3 fatty acids and leukocyte-endothelium adhesion: Novel anti-atherosclerotic actions. Molecular Aspects of Medicine, 64, 2018, 169-181.
660. West, A.L., Kindberg, G.M., Hustvedt, S.O., and Calder, P.C., A novel self-micro-emulsifying delivery system enhances enrichment of eicosapentaenoic acid and docosahexaenoic acid after single and repeated dosing in healthy adults in a randomized trial. Journal of Nutrition, 148, 2018, 1704-1715.
661. Lewis, R.M., Childs, C.E. and Calder, P.C., New perspectives on placental fatty acid transfer. Prostaglandins Leukotrienes and Essential Fatty Acids, 138, 2018, 24-29.
662. Bohnert, H., Maurer, M., Calder, P.C., Pratschke, J., Thul, P. and Muller, V., Efficacy of a long-term home parenteral nutrition regimen containing fish oil derivedn-3 polyunsaturated fatty acids: a single-centre,

randomized, double blind study. Nutrition Journal 17, 2018, 113.
663. Bork, C.S., Baker, E.J., Lundbye-Christensen, S., Miles, E.A. and Calder, P.C., Lowering the linoleic acid to alpha-linolenic acid ratio decreases the production of inflammatory mediators by cultured human endothelial cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 141, 2019, 1-8.
664. Vallée Marcotte, B., Guénard, F., Lemieux, S., Couture, P., Rudkowska, I., Calder, P.C., Minihane, A.M. and Vohl, M.C., Fine mapping of genome-wide association study signals to identify genetic markers of the plasma triglyceride response to an omega-3 fatty acid supplementation. American Journal of Clinical Nutrition, 108, 2019, 1-10.
665. Dushianthan, A., Cusack, R., Burgess, V.A., Grocott, M.P.W. and Calder, P.C., Immunonutrition for acute respiratory distress syndrome (ARDS) in adults. Cochrane Database of Systematic Reviews 2019, Issue 1, Art. No.: CD012041.
666. Calder, P.C. and Deckelbaum, R.J., Omega-3 fatty acids and cardiovascular outcomes: an update. Current Opinion in Clinical Nutrition and Metabolic Care, 22, 2019, 97-102.
667. Singer, P., Blaser, A.R., Berger, M.M., Alhazzani, W., Calder, P.C., Casaer, M.P., Hiesmayr, M., Mayer, K., Montejo, J.C., Pichard, C., Preiser, J.C., van Zanten, A.R.H., Oczkowski, S., Szczeklik, W. and Bischoff, S.C., ESPEN guideline on clinical nutrition in the intensive care unit. Clinical Nutrition, 38, 2019, 48-79.
668. Jenkins, B., Calder, P.C. and Marino, L.V., Evaluation of implementation of fasting guidelines for enterally fed critical care patients. Clinical Nutrition, 38, 2019, 252-257.
669. Bernabe-García, M., Rodríguez-Cruz, M., Atilano, S., Cruz-Guzmán, O.D.R., Almeida-Becerril, T., Calder, P.C. and González, J., Body composition and body mass index in Duchenne muscular dystrophy: Role of dietary intake. Muscle and Nerve, 59, 2019, 295-302.
670. Berger, M.M., Reintam-Blaser, A., Calder, P.C., Casaer, M., Hiesmayr, M.J., Mayer, K., Montejo, J.C., Pichard, C., Preiser, J.C., van Zanten, A.R.H., Bischoff, S.C. and Singer, P., Monitoring nutrition in the ICU. Clinical Nutrition, 38, 2019, 584-593.
671. Afolabi, P.R., Scorletti, E., Calder, P.C. and Byrne, C.D., The evaluation of the repeatability of the 13C-ketoisocaproate breath test for assessing hepatic mitochondrial function. Isotopes in Environmental and Health Studies, 55, 2019, 150-160.
672. Calder, P.C., Fish. In: Lovegrove, J.A. (Ed.), 30 Minute Nutrition, Ivy Press, Brighton, UK, 2019, 56-57.
673. Calder, P.C. and Miles, E.A., Pregnancy and Lactation, In: Lovegrove, J.A. (Ed.), 30 Minute Nutrition, Ivy Press, Brighton, UK, 2019, 80-81.
674. Calder, P.C. and Miles, E.A., Food Allergies & Intolerances, In: Lovegrove, J.A. (Ed.), 30 Minute Nutrition, Ivy Press, Brighton, UK, 2019, 100-101.
675. Calder, P.C., Omega-3 Fatty Acids, In: Lovegrove, J.A. (Ed.), 30 Minute Nutrition, Ivy Press, Brighton, UK, 2019, 122-123.
676. Russell, K., Zhang, H.G., Gillanders, L.K., Bartlett, A.S., Fisk, H.L., Calder, P.C., Swan, P.J. and Plank, L.D., Preoperative immunonutrition in patients undergoing liver resection: A prospective randomized trial. World Journal of Hepatology, 11, 2019, 305-317.
677. Ostermann, A.I., West, A.L., Schoenfeld, K., Browning, L.M., Walker, C.G., Jebb, S.A., Calder, P.C. and Schebb, N.H., Plasma oxylipins respond in a linear dose-response manner with increased intake of EPA and DHA: results from a randomized controlled trial in healthy humans. American Journal of Clinical Nutrition, 109, 2019, 1251-1263.
678. Calder, P.C., Intravenous lipid emulsions to deliver bioactive omega-3 fatty acids for improved patient outcomes. Marine Drugs, 17, 2019, 274.
679. Garla, P., Sala, P., Torrinhas, R.S.M., Machado, N.M., Fonseca, D.C., da Silva, M.M., Ravacci, G.R., Belarmino, G., Ishida, R.K., Guarda, I.F.M.S., de Moura, E.G.H., Sakai, P., Santo, M.A., da Silva, I.D.C.G., Pereira, C.C.A., Heymsfield, S., Corrêa-Giannella, M.L.C., Calder, P.C. and Waitzberg, D.L., Reduced intestinal FADS1 gene expression and plasma omega-3 fatty acids following Roux-en-Y gastric bypass. Clinical Nutrition, 38, 2019, 1280-1288.
680. Osowska, S., Kunecki, M., Sobocki, J., Tokarczyk, J., Majewska, K., Omidi, M., Radkowski, M., Fisk, H.L. and Calder, P.C., Effect of changing the lipid component of home parenteral nutrition in adults. Clinical Nutrition, 38, 2019, 1355-1361.
681. Lillycrop, K.A., Garratt, E.S., Titcombe, P., Melton, P.E., Murray, R.J.S., Barton, S.J., Clarke-Harris, R., Costello, P.M., Holbrook, J.D., Hopkins, J.C., Childs, C.E., Paras-Chavez, C., Calder, P.C., Mori, T.A., Beilin, L., Burdge, G.C., Gluckman, P.D., Inskip, H.M., Harvey, N.C., Hanson, M.A., Huang, R.C., Cooper, C., EpiGen Consortium, Godfrey, K.M., Differential SLC6A4 methylation: a predictive epigenetic marker of adiposity from birth to adulthood. International Journal of Obesity (London), 43, 2019, 974-988.
682. Adolph, M., Calder, P.C., Deutz, N.E., Carmona, T.G., Klek, S., Lev, S., Mayer, K., Michael-Titus, A.T., Pradelli, L., Puder, M., Singer, P. and Vlaardingerbroek, H., Commentary on "Fish Oil-Containing Lipid Emulsions in Adult Parenteral Nutrition: A Review of the Evidence". JPEN Journal of Parenteral and Enteral Nutrition, 43, 2019, 454-455.
683. Bindawas, S.M., Vennu, V., Al-Orf, S.M., Alshammari, S.A., Al-Amoud, M.M., Calder, P.C., Al-Muammar, M.N. and Alhamdan, A.A., Normative data for handgrip strength in Saudi older adults visiting primary health care centers. Medicina (Kaunas), 55, 2019, 251.
684. Manousopoulou, A., Scorletti, E., Smith, D.E., Teng, J., Fotopoulos, M., Roumeliotis, T.I., Clough, G.F., Calder, P.C., Byrne, C.D. and Garbis, S.D., Marine omega-3 fatty acid supplementation in non-alcoholic fatty liver disease: Plasma proteomics in the randomized WELCOME* trial. Clinical Nutrition, 38, 2019, 1952-1955.
685. Owen-Jones, E., Lowe, R., Lown, M., Gillespie, D., Addison, K., Bayer, T., Calder, P.C., Davies, J.,

Davoudianfar, M., Downs, J., Edwards, A., Francis, N.A., Fuller, R., Hobbs, R., Hood, K., Lau, M., Little, P., Moore, M., Shepherd, V., Stanton, H., Toghill, A., Wootton, M. and Butler, C.C., Protocol for a double-blind placebo-controlled trial to evaluate the efficacy of probiotics in reducing antibiotics for infection in care home residents: the Probiotics to Reduce Infections iN CarE home reSidentS (PRINCESS) trial. BMJ Open, 9, 2019, e027513.

686. Burger, B., Kühl, C.M.C., Candreva, T., Cardoso, R.D.S., Silva, J.R., Castelucci, B.G., Consonni, S.R., Fisk, H.L., Calder, P.C., Vinolo, M.A.R. and Rodrigues, H.G., Oral administration of EPA-rich oil impairs collagen reorganization due to elevated production of IL-10 during skin wound healing in mice. Scientific Reports, 24, 2019, 9119.
687. Calder, P.C., Is increasing microbiota diversity a novel anti-inflammatory action of marine n-3 fatty acids? Journal of Nutrition, 149, 2019, 1102-1104.
688. Barnig, C., Bezema, T., Calder, P.C., Charloux, A., Frossard, N., Garseen, J., Haworth, O., Dilevskaya, K., Levi-Schaffer, F., Lonsdorfer, E., Wauben, M., Kraneveld, A.D. and te Felde, A.A., Activation of resolution pathways to prevent and fight chronic inflammation: Lessons from asthma and inflammatory bowel disease. Frontiers in Immunology, 10, 2019, 1699.
689. Calder, P.C., Campoy, C., Eilander, A., Fleith, M., Forsyth, S., Larsson, P.O., Schelkle, B., Lohner, S., Szommer, A., van de Heijning, B.J.M. and Mensink, R.P., A systematic review of the effects of increasing arachidonic acid intake on PUFA status, metabolism and health-related outcomes in humans. British Journal of Nutrition, 121, 2019, 1201-1214.
690. West, A.L., Miles, E.A., Lillycrop, K.A., Han, L., Sayanova, O., Napier, J.A., Calder, P.C. and Burdge, G.C., Postprandial incorporation of EPA and DHA from transgenic Camelina sativa oil into blood lipids is equivalent to that from fish oil in healthy humans. British Journal of Nutrition, 121, 2019, 1235-1246.
691. Bork, C.S., Lasota, A.N., Lundbye-Christensen, S., Jakobsen, M.U., Tjønneland, A., Calder, P.C., Schmidt, E.B. and Overvad, K., Intake of α-linolenic acid is not consistently associated with a lower risk of peripheral artery disease: results from a Danish cohort study. British Journal of Nutrition, 122, 2019, 86-92.
692. Childs, C.E., Calder, P.C. and Miles, E.A., Diet and immune function. Nutrients, 11, 2019, 1933.
693. Calder, P.C., Nutrients that influence inflammation and immunity: omega-3 fatty acids. In: Sobotka, L., ed., Basics of Clinical Nutrition, 5th ed. Galen, Prague, 2019, 274-280.
694. Biver, E., Berenbaum, F., Valdes, A.M., Araujo de Carvalho, I., Bindels, L.B., Brandi, M.L., Calder, P.C., Castronovo, V., Cavalier, E., Cherubini, A., Cooper, C., Dennison, E., Franceschi, C., Fuggle, N., Laslop, A., Miossec, P., Thomas, T., Tuzun, S., Veronese, N., Vlaskovska, M., Reginster, J.Y. and Rizzoli, R., Gut microbiota and osteoarthritis management: An expert consensus of the European society for clinical and economic aspects of osteoporosis, osteoarthritis and musculoskeletal diseases (ESCEO). Ageing Research Reviews, 55, 2019, 100946.
695. Lindqvist, H.M., Gjertsson, I., Andersson, SD., Calder, P.C. and Barebring, L., Influence of blue mussel (Mytilus edulis) intake on fatty acid composition in erythrocytes and plasma phospholipids and serum metabolites in women with rheumatoid arthritis. Prostaglandin, Leukotrienes and Essential Fatty Acids, 150, 2019, 7-15.
696. McGlory, C., Calder, P.C. and Nunes, E.A., The influence of omega-3 fatty acids on skeletal muscle protein turnover in health, disuse and disease. Frontiers in Nutrition, 6, 2019, 144.
697. Bernabe-García, M., Villegas-Silva, R., Villavicencio-Torres, A., Calder, P.C., Rodríguez-Cruz, M., Maldonado-Hernández, J., Macías-Loaiza, D., López-Alarcón, M., Inda-Icaza, P. and Cruz-Reynoso, L., Enteral docosahexaenoic acid and retinopathy of prematurity: A randomized clinical trial. JPEN Journal of Parenteral and Enteral Nutrition 43, 2019, 874-882.
698. Marino, L.V., Harris, A., Johnstone, C., Friend, A., Newell, C., Miles, E.A., Lucas, J.S., Calder, P.C. and Walker, W.T., Characterising the nutritional status of children with primary ciliary dyskinesia. Clinical Nutrition, 38, 2019, 2127-2135.
699. Valenzuela, C.A., Baker, E.J., Miles, E.A. and Calder, P.C., Eighteen-carbon *trans* fatty acids and inflammation in the context of atherosclerosis. Progress in Lipid Research, 76, 2019, 101009.
700. Donoghue, V., Schleicher, G.K., Spruyt, M.G.L., Malan, L., Nel, D.G., Calder, P.C. and Blaauw, R., Four-oil intravenous lipid emulsion effect on plasma fatty acid composition, inflammatory markers and clinical outcomes in acutely ill patients: A randomised control trial (Foil fact). Clinical Nutrition, 38, 2019, 2583-2591.
701. Candreva, T., Kühl, C.M.C., Burger, B., Dos Anjos, M.B.P., Torsoni, M.A., Consonni, S.R., Crisma, A.R., Fisk, H.L., Calder, P.C., de Mato, F.C.P., Sernaglia, E.M., Vinolo, M.A.R. and Rodrigues, H.G., Docosahexaenoic acid slows inflammation resolution and impairs the quality of healed skin tissue. Clinical Science, 133, 2019, 2345-2360.
702. Crozier, S.R., Godfrey, K.M., Calder, P.C., Robinson, S.M., Inskip, H.M., Baird, J., Gale, C.R., Cooper, C., Sibbons, C.M., Fisk, H.L. and Burdge, G.C., Vegetarian diet during pregnancy Is not associated with poorer cognitive performance in children at age 6–7 years. Nutrients, 11, 2019, 3029.
703. Fielding., B.A., Calder, P.C., Irvine, N.A., Miles, E.A., Lillycrop, K.A., von Gerichten, J. and Burdge, G.C.,How does polyunsaturated fatty acid biosynthesis regulate T-lymphocyte function? Nutrition Bulletin, 44, 2019, 350-355.
704. Alhamdan, A.A., Bindawas, S.M., Alshammari, S.A., Al-Amoud, M.M., Al-Orf, S.A., Al-Muammar, M.N. and Calder. P.C., Prevalence of malnutrition and its association with activities of daily living in older adults attending primary health care centers; a multistage cross-sectional study. Progress in Nutrition, 21, 2019, 1011-1018.
705. Koletzko, B., Bergmann, K., Brenna, J.T., Calder, P.C., Campoy, C., Clandinin, M.T., Colombo, J., Daly, M., Decsi, T., Demmelmair, H., Domellöf, M., FidlerMis, N., Gonzalez-Casanova, I., van Goudoever, J.B.,

Hadjipanayis, A., Hernell, O., Lapillonne, A., Mader, S., Martin, C.R., Matthäus, V., Ramakrishan, U., Smuts, C.M., Strain, S.J.J., Tanjung, C., Tounian, P. and Carlson, S.E., Should formula for infants provide arachidonic acid along with DHA? A position paper of the European Academy of Paediatrics and the Child Health Foundation. American Journal of Clinical Nutrition, 111, 2020, 10-16.

706. Henrique-Bana, F.C., Wang, X., Costa, G.N., Spinosa, W.A., Miglioranza, L.H.S., Scorletti, E., Calder, P.C., Byrne, C.D. and Gibson, G.R., In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria. Food Research International 128, 2020, 108776.
707. Dushianthan, A., Cusack, R., Burgess, V.A., Grocott, M.P. and Calder, P., Immunonutrition for adults with ARDS: Results from a Cochrane systematic review and meta-analysis. Respiratory Care, 65, 2020, 99-110.
708. Cena, H. and Calder, P.C., Defining a healthy diet: Evidence for the role of contemporary dietary patterns in health and disease. Nutrients, 12, 2020, 334.
709. Deckelbaum, R.J. and Calder, P.C., Is it time to separate EPA from DHA when using omega-3 fatty acids to protect heart and brain? Current Opinion in Clinical Nutrition and Metabolic Care, 23, 2020, 65-67.
710. Jackson, P.A., Husberg, C., Hustvedt, S.O., Calder, P.C., Khan, J., Avery, H., Forster, J. and Kennedy, D.O., Diurnal rhythm of plasma EPA and DHA in healthy adults. Prostaglandins Leukotrienes and Essential Fatty Acids, 154, 2020,102054.
711. Martindale, R.G., Berlana, D., Boullata, J.I., Cai, W., Calder, P.C., Deshpande, G.H., Evans, D., Garcia-de-Lorenzo, A., Goulet, O.J., Li, A., Mayer, K., Mundi, M.S., Muscaritoli, M., Pradelli, L., Rosenthal, M., Seo, J.M., Waitzberg, D.L. and Klek, S., Summary of Proceedings and Expert Consensus Statements From the International Summit "Lipids in Parenteral Nutrition". Journal of Parenteral and Enteral Nutrition, 44 (Suppl. 1), 2020, S7-S20.
712. Calder, P.C., Waitzberg, D.L., Klek, S. and Martindale, R.G., Lipids in parenteral nutrition: Biological aspects. Journal of Parenteral and Enteral Nutrition. 44 (Suppl. 1), 2020, S21-S27.
713. Baker, E.J., Valenzuela, C.A., De Souza, C.O., Yaqoob, P., Miles, E.A. and Calder, P.C., Comparative anti-inflammatory effects of plant- and marine-derived omega-3 fatty acids explored in an endothelial cell line. Biochimica et Biophysica Acta Molecular and Cell Biology of Lipids, 1865, 2020, 158662.
714. Innes, J.K. and Calder, P.C., Marine omega-3 (n-3) fatty acids for cardiovascular health: an update for 2020. International Journal of Molecular Sciences, 21, 2020, 1362.
715. Kermack, A.J., Lowen, P., Wellstead, S.J., Fisk, H.L., Montag, M., Cheong, Y., Osmond, C., Houghton, F.D., Calder, P.C. and Macklon, N.S., Effect of a 6-week "Mediterranean" dietary intervention on in vitro human embryo development: the Preconception Dietary Supplements in Assisted Reproduction double-blinded randomized controlled trial. Fertility and Sterility, 113, 2020, 260-268.
716. Laviano, A., Calder, P.C., Schols, A.M.W.J., Lonnqvist, F., Bech, M. and Muscaritoli, M., Safety and tolerability of targeted medical nutrition for in non-small-cell lung cancer: a randomized, double-blind, controlled pilot trial. Nutrition and Cancer, 72, 2020, 439-450.
717. West, A.L., Michaelson, L.V., Miles, E.A., Haslam, R.P., Lillycrop, K.A., Georgescu, R., Han, L., Sayanova, O., Napier, J.A., Calder, P.C. and Burdge, G.C., Differential postprandial incorporation of 20:5n-3 and 22:6n-3 into individual plasma triacylglycerol and phosphatidylcholine molecular species in humans. Biochimica et Biophysica Acta Molecular and Cell Biology of Lipids, 1865, 2020, 158710.
718. Calder, P.C., Carr, A.C., Gombart, A.F and Eggersdorfer, M., Optimal nutritional status for a well functioning immune system is an important factor to protect against viral infections. Nutrients, 12, 2020, 1181.
719. Scorletti, E., Afolabi, P.R., Miles, E.A., Smith, D.E., Almehmadi, A., Alshathry, A., Childs, C.E., Del Fabbro, S., Beavis, J., Moyses, H.E., Clough, G.F., Sethi, J.K., Patel, J., Wright, M., Breen, D.J., Peebles, C., Darekar, A., Aspinall, R., Fowell, A.J., Dowman, J.K., Nobili, V., Targher, G., Delzenne, N.M., Bindels, L.B., Calder, P.C. and Byrne, C.D., Synbiotics alter fecal microbiomes, but not liver fat or fibrosis, in a randomized trial of patients with nonalcoholic fatty liver disease. Gastroenterology, 158, 2020, 1597-1610.
720. Calder, P.C., Feskens, E.J.M., Kraneveld, A.D., Plat, J., van 't Veer, P. and de Vries, J., Towards "Improved Standards in the Science of Nutrition" through the establishment of Federation of European Nutrition Societies working groups. Annals of Nutrition and Metabolism 76, 2020, 2-5.
721. Allmark, G., Calder, P.C. and Marino, L.V., Research identified variation in nutrition practice by community prescribing dietitians with regards to the identification and management of malnutrition amongst community dwelling adults. Nutrition Research, 76, 2020, 94-105.
722. Tufford, A.R., Calder, P.C., Van't Veer, P., Feskens, E.F., Ockhuizen, T., Kraneveld, A.D., Sikkema, J. and de Vries, J., Is nutrition science ready for the twenty-first century? Moving towards transdisciplinary impacts in a changing world. European Journal of Nutrition, 59 (Suppl. 1), 2020, 1-10.
723. Perez-Mojica, J.E., Lillycrop, K.A., Cooper, C., Calder, P.C. and Burdge, G.C., Docosahexaenoic acid and oleic acid induce altered DNA methylation of individual CpG loci in Jurkat T cells. Prostaglandins, Leukotrienes and Essential Fatty Acids, 158, 2020, 102128.
724. Clough, G.F., Chipperfield, A.J., Thanaj, M., Scorletti, E., Calder, P.C. and Byrne, C.D., Dysregulated neurovascular control underlies declining microvascular functionality in people with non-alcoholic fatty liver disease (NAFLD) at risk of liver fibrosis. Frontiers in Physiology, 11, 2020, 551.
725. Castro-Herrera, V.M., Rasmussen, C., Wellejus, A., Miles, E.A. and Calder, P.C., In vitro effects of live and heat-inactivated *Bifidobacterium animalis* subsp. *lactis*, BB12 and *Lactobacillus rhamnosus* GG on Caco-2 cells. Nutrients, 12, 2020, 1719.
726. Butler, C.C., Lau, M., Gillespie, D., Owen-Jones, E., Lown, M., Wootton, M., Calder, P.C., Bayer, A.J., Moore, M., Little, P., Davies, J., Edwards, A., Shepherd, V., Hood, K., Hobbs, F.D.R., Davoudianfar, M., Rutter, H., Stanton, H., Lowe, R., Fuller, R., Francis, N.A., Effect of probiotic use on antibiotic administration among care home residents: a randomized clinical trial. JAMA, 324, 2020, 47-56.

727. Calder, P.C., Nutrition, immunity and COVID-19. BMJ Nutrition Prevention and Health, 3, 2020, e000085.
728. Calder, P.C. and Yaqoob, P., Nutrient regulation of the immune response. In: Marriott, B.P., Birt, D.F., Stallings, V.A. and Yates, A.A., eds., Present Knowledge in Nutrition, 11th Edition, Vol. 1, Elsevier, Amsterdam, 2020, 625-641.
729. Calder, P.C., Carr, A.C., Gombart, A.F. and Eggersdorfer, M. Reply to "Comment on: Optimal nutritional status for a well functioning immune system is an important factor to protect against viral infections. Nutrients 2020, 12, 1181". Nutrients, 12, 2020, 2326.
730. Schmidt Sorensen, L., Ladefoged Rasmussen, S., Calder, P.C., Nytoft Yilmaz, M., Berg Schmidt, E. and Thorlacius-Ussing, O. Long-term outcomes after perioperative treatment with omega-3 fatty acid supplements in colorectal cancer. BJS Open, 4, 2020, 678-684.
731. Souza, C.O., Teixeira, A.A.S., Biondo, L.A., Silveira, L.S., de Souza Breda, C.N., Braga, T.T., Camara, N.O.S., Belchior, T., Festuccia, W.T., Diniz, T.A., Ferreira, G.M., Hirata, M.H., Chaves-Filho, A.B., Yoshinaga, M.Y., Myiamoto, S., Calder, P.C., Sethi, J.K. and Rosa Neto, J.C. Palmitoleic acid reduces high fat diet-induced liver inflammation by promoting PPAR-γ-independent M2a polarization of myeloid cells. Biochimica et Biophysica Acta Molecular and Cell Biology of Lipids, 1865, 2020, 158776.
732. Troesch, B., Eggersdorfer, M., Laviano, A., Rolland, Y., Smith, A.D., Warnke, I., Weimann, A., and Calder, P.C. Expert opinion on benefits of long-chain omega-3 fatty acids (DHA and EPA) in aging and clinical nutrition. Nutrients, 12, 2020, 2555.
733. Calder, P.C., Carr, A.C., Gombart, A.F. and Eggersdorfer, M. Reply to "Comment on: Optimal nutritional status for a well-functioning immune system is an important factor to protect against viral infections. Nutrients 2020, 12, 1181". Nutrients, 12, 2020, 2696.
734. Al-Leswas, A., Eltweri, A.M., Chung, W.-Y., Arshad, A., Stephenson, J.A., Al-Taan, O., Pollard, C., Fisk, H.L., Calder, P.C., Garcea, G., Metclafe, M.S. and Dennison. A.R. Intravenous omega-3 fatty acids are associated with better clinical outcome and less inflammation in patients with predicted severe acute pancreatitis: a randomised double blind controlled trial. Clinical Nutrition, 39, 2020, 2711-2719.
735. Lewis, N.A., Daniels, D., Calder, P.C., Castell, L.M. and Pedlar, C.R., Are there benefits from the use of fish oil supplements in athletes? A systematic review. Advances in Nutrition, 11, 2020, 1300-1314.
736. Torrinhas, R.S., Calder, P.C. and Waitzberg, D.L., Response to Bistrian BR. Parenteral fish-oil emulsions in critically ill COVID-19 emulsions. Journal of Parenteral and Enteral Nutrition, 44, 2020, 1169-1170.
737. Willeit, P., Tschiderer, L., Allara, E., Reuber, K., Seekircher, L., Gao, L., Liao, X., Lonn, E., Gerstein, H.C., Yusuf, S., Brouwers, F.P., Asselbergs, F.W., van Gilst, W., Anderssen, S.A., Grobbee, D.E., Kastelein, J.J.P., Visseren, F.L.J., Ntaios, G., Hatzitolios, A.I., Savopoulos, C., Nieuwkerk, P.T., Stroes, E., Walters, M., Higgins, P., Dawson, J., Gresele, P., Guglielmini, G., Migliacci, R., Ezhov, M., Safarova, M., Balakhonova, T., Sato, E., Amaha, M., Nakamura, T., Kapellas, K., Jamieson, L.M., Skilton, M., Blumenthal, J.A., Hinderliter, A., Sherwood, A., Smith, P.J., van Agtmael, M.A., Reiss, P., van Vonderen, M.G.A., Kiechl, S., Klingenschmid, G., Sitzer, M., Stehouwer, C.D.A., Uthoff, H., Zou, Z.Y., Cunha, A.R., Neves, M.F., Witham, M.D., Park, H.W., Lee, M.S., Bae, J.H., Bernal, E., Wachtell, K., Kjeldsen, S.E., Olsen, M.H., Preiss, D., Sattar, N., Beishuizen, E., Huisman, M.V., Espeland, M.A., Schmidt, C., Agewall, S., Ok, E., Aşçi, G., de Groot, E., Grooteman, M.P.C., Blankestijn, P.J., Bots, M.L., Sweeting, M.J., Thompson, S.G., Lorenz, M.W., PROG-IMT and the Proof-ATHERO Study Groups. Carotid intima-media thickness progression as surrogate marker for cardiovascular risk: meta-analysis of 119 clinical trials involving 100 667 patients. Circulation, 142, 2020, 621-642.
738. Calder, P.C., Eicosanoids. Essays in Biochemistry, 64, 2020, 423-441.
739. Tschiderer, L., Seekircher, L., Klingenschmid, G., Izzo, R., Baldassarre, D., Iglseder, B., Calabresi, L., Liu, J., Price, J.F., Bae, J.H., Brouwers, F.P., de Groot, E., Schmidt, C., Bergström, G., Aşçi, G., Gresele, P., Okazaki, S., Kapellas, K., Landecho, M.F., Sattar, N., Agewall, S., Zou, Z.Y., Byrne, C.D., Nanayakkara, P.W.B., Papagianni, A., Witham, M.D., Bernal, E., Ekart, R., van Agtmael, M.A., Neves, M.F., Sato, E., Ezhov, M., Walters, M., Olsen, M.H., Stolić, R., Zozulińska-Ziółkiewicz, D.A., Hanefeld, M., Staub, D., Nagai, M., Nieuwkerk, P.T., Huisman, M.V., Kato, A., Honda, H., Parraga, G., Magliano, D., Gabriel, R., Rundek, T., Espeland, M.A., Kiechl, S., Willeit, J., Lind, L., Empana, J.P., Lonn, E., Tuomainen, T.P., Catapano, A., Chien, K.L., Sander, D., Kavousi, M., Beulens, J.W.J., Bots, M.L., Sweeting, M.J., Lorenz, M.W., Willeit, P., Proof-ATHERO Study Group. The Prospective Studies of Atherosclerosis (Proof-ATHERO) Consortium: Design and rationale. Gerontology, 66, 2020, 447-459.
740. Brands, B., Chomtho, S., Suthutvoravut, U., Chiong Meng Boey, C., Tang, S.F., Godfrey, K.M., Koletzko, B., tor the ENeA Sea Project Group, Early Nutrition eAcademy Southeast Asia e-Learning for enhancing knowledge on nutrition during the first 1000 days of life. Nutrients, 12, 2020,1817.
741. West, A.L., Miles, E.A., Lillycrop, K.A., Han, L., Napier, J.A., Calder, P.C. and Burdge, G.C., Dietary supplementation with seed oil from transgenic *Camelina sativa* induces similar increments in plasma and erythrocyte DHA and EPA to fish oil in healthy humans. British Journal of Nutrition, 124, 2020, 922-930.
742. Baker, E.J., Valenzuela, C.A., van Dooremalen, W.T.M., Martínez-Fernández, L., Yaqoob, P., Miles, E.A. and Calder, P.C., Gamma-linolenic and pinolenic acids exert anti-inflammatory effects in cultured human endothelial cells through their elongation products. Molecular Nutrition and Food Research, 64, 2020, 2000382.
743. Calder, P.C., Eicosapentaenoic and docosahexaenoic acid derived specialised pro-resolving mediators: Concentrations in humans and the effects of age, sex, disease and increased omega-3 fatty acid intake. Biochimie, 178, 2020, 105-123.
744. Afolabi, P.R., Scorletti, E., Calder, P.C. and Byrne, C.D., Factors independently associated with cardiorespiratory fitness in patients with non-alcoholic fatty liver disease. Liver International, 40, 2020, 2998-

3007.
745. Alshammari, S.A., Alhamdan, A.A., Bindawas, S.M., Al-Amoud, M.M., Al-Orf, S.M., Al-Muammar, M.N. and Calder, P.C., Assessing the cognitive status of older adults attending primary healthcare centres in Saudi Arabia using the Mini-Mental State examination. Saudi Medical Journal, 41, 2020, 1315-1323.
746. Wisitpongpun, P., Suphrom, N., Potup, P., Nuengchamnong, N., Calder, P.C. and Usuwanthim, K., In vitro bioassay-guided identification of anticancer properties from *Moringa oleifera* Lam. Leaf against the MDA-MB-231 cell line. Pharmaceuticals 13, 2020, 464.
747. Schmidt, E.B. and Calder, P.C., Marine n-3 Fatty acids, sudden cardiac death, and ischemic heart disease: fish or supplements? Journal of Nutrition, 150, 2020, 3055-3057.
748. Calder, P.C., n-3 PUFA and inflammation: from membrane to nucleus and from bench to bedside. Proceedings of the Nutrition Society, 79, 2020, 404-416.
749. Del Fabbro, S., Calder, P.C. and Childs, C.E., Microbiota-independent immunological effects of non-digestible oligosaccharides in the context of inflammatory bowel diseases. Proceedings of the Nutrition Society, 79, 2020, 468-478.
750. Torrinhas, R.S., Calder, P.C., Lemos, G.O. and Waitzberg, D.L. Parenteral fish oil: an adjuvant pharmacotherapy for coronavirus disease 2019? Nutrition, 81, 2021, 110900.
751. Antunes, M.S., Waitzberg, D.L., Tesser, A., Gutierres, F.A., Tamanaha, E.M., Oliveira, R., Sampaio, G., Torres, E.A., Garla, P.C., Calder, P.C. and Torrinhas, R.S., Infusion time for fish oil-containing parenteral emulsions in surgery: a study on w-3 fatty acid dynamics in rats. Nutrition, 83, 2021, 111066.
752. De Marco Castro, E., Calder, P.C. and Roche, H.M., b-1,3/1,6-glucans and immunity: State of the art and future directions. Molecular Nutrition and Food Research, 65, 2021, 1901071.
753. Fisk, H.L., Childs, C.E., Miles, E.A., Ayres, R., Noakes, P.S., Paras-Chavez, C., Kuda, O., Kopecký, J., Antoun, E., Lillycrop, K.A. and Calder, P.C., Dysregulation of endocannabinoid concentrations in human subcutaneous adipose tissue in obesity and modulation by omega-3 polyunsaturated fatty acids. Clinical Science, 135, 2021, 185-200.
754. Miles, E.A., Childs, C.E. and Calder, P.C., Long-chain polyunsaturated fatty acids (LCUFAs) and the developing immune system: a narrative review. Nutrients, 13, 2021, 247.
755. Patan, M.J., Kennedy, D.O., Husberg, C., Hustvedt, S.O., Calder, P.C., Middleton, B., Khan, J., Forster, J. and Jackson, P.A., Differential effects of DHA- and EPA-rich oils on sleep in heathy young adults: a randomized controlled trial. Nutrients, 13, 2021, 248.
756. Durkin, L.A., Childs, C.E. and Calder, P.C., Omega-3 polyunsaturated fatty acids and the intestinal epithelium – a review. Foods, 10, 2021, 199.
757. Hulander, E., Bärebring, L., Turesson Wadell, A., Gjertsson, I., Calder, P.C., Winkvist, A. and Lindqvist, H.M., Diet intervention improves cardiovascular profile in patients with rheumatoid arthritis: results from the randomized controlled cross-over trial ADIRA. Nutrition Journal, 20, 2021, 9.
758. West, A.L., Miles, E.A., Lillycrop, K.A., Napier, J.A., Calder, P.C. and Burdge, G.C., Transgenic *Camelia sativa* oil: an effective source of both EPA and DHA in the human diet. Inform, 32 (2), 2021, 11-14.
759. Wong, G., Weir, J.M., Mishra, P., Huynh, K., Nijagal, B., Gupta, V., Broekman, B.F.P., Chong, M.F., Chan, S.Y., Tan, K.H., Tull, D., McConville, M., Calder, P.C., Godfrey, K.M., Chong, Y.S., Gluckman, P.D., Meaney, M.J., Meikle, P.J. and Karnani, N., The placental lipidome of maternal antenatal depression predicts socio-emotional problems in the offspring. Translational Psychiatry, 11, 2021, 107.
760. Calder, P.C. and Deckelbaum, R.J., Omega-3 fatty acids: new studies, new data, new questions. Current Opinion in Clinical Nutrition and Metabolic Care, 24, 2021, 109-113.
761. Bernabe-García, M., Calder, P.C., Villegas-Silva, R., Rodríguez-Cruz, M., Chávez-Sánchez, L., Cruz-Reynoso, L., Mateos-Sánchez, L., Lara-Flores, G., Aguilera-Joaquín, A.R. and Sánchez-García, L., Efficacy of docosahexaenoic acid for the prevention of necrotizing enterocolitis in preterm infants: a randomized clinical trial. Nutrients, 13, 2021, 648.
762. West, A.L., Miles, E.A., Lillycrop, K.A., Napier, J.A., Calder, P.C. and Burdge G.C., Genetically modified plants are an alternative to oily fish for providing *n*-3 polyunsaturated fatty acids in the human diet: A summary of the findings of a Biotechnology and Biological Sciences Research Council funded project. Nutrition Bulletin, 46, 2021, 60-68.
763. Ahmed, S., Innes, J.K. and Calder, P.C., Influence of different intravenous lipid emulsions on fatty acid status and laboratory and clinical outcomes in adult patients receiving home parenteral nutrition: A systematic review. Clinical Nutrition, 40, 2021, 1115-1122.
764. Castro-Herrera, V.M., Fisk, H.L., Wootton, M., Lown, M., Owen-Jones, E., Lau, M., Lowe, R., Hood, K., Gillespie, D., Hobs, F.D.R., Little, P., Butler, C.C., Miles, E.A. and Calder, P.C., Combination of the probiotics *Lacticaseibacillus rhamnonsus* GG and *Bifidobacterium animalis* subsp. *lactis*, BB12 has limited effect on biomarkers of immunity and inflammation in older people resident in care homes: results from the Probiotics to Reduce Infections iN CarE home reSidentS randomized, controlled trial. Frontiers in Immunology, 12, 2021, 643321.
765. Laviano, A., Calder, P.C., Schols, A., Lonnqvist, F., Bech, M., Dorkhan, M. and Muscaritoli, M., Targeted medical nutrition in pre-cachectic patients with non-small-cell lung cancer: a subgroup analysis. Nutrition and Cancer, 73, 2021, 899-900.
766. Calder, P.C., Sex differences in the plasma accumulation of oxylipins in response to supplemental n-3 fatty acids. Journal of Nutrition, 151, 2021, 462-464.
767. Grevengoed, T.J., Trammell, S.A., Svenningsen, J.S., Makarov, M.V., Nielsen, T.S., Jacobsen, J.C.B., Treebak, J.T., Calder, P.C., Migaud, M.E., Cravatt, B.F. and Gillum, M.P., An abundant biliary metabolite derived from dietary omega-3 polyunsaturated fatty acids regulates triglycerides. Journal of Clinical

Investigation, 131, 2021,143861.

768. Castro-Herrera, V.M., Lown, M., Fisk, H.L., Owen-Jones, E., Lau, M., Lowe, R., Hood, K., Gillespie, D., Hobs, F.D.R., Little, P., Butler, C.C., Miles, E.A. and Calder, P.C., Relationships between age, frailty, length of care home residence and biomarkers of immunity and inflammation in older care home residents in the United Kingdom. Frontiers in Aging, 2, 2021, 599084.
769. Kermack, A.J., Wellstead, S.J., Fisk, H.L., Cheong, Y., Houghton, F.D., Macklon, N.S. and Calder, P.C., The fatty acid composition of human follicular fluid is altered by a 6-week dietary intervention that includes marine omega-3 fatty acids. Lipids, 56, 2021, 201-209.
770. West, A.L., Michaelson, L.V., Miles, E.A., Haslam, R.P., Lillycrop, K.A., Georgescu, R., Han, L., Napier, J.A., Calder, P.C. and Burdge, G.C., Lipidomic analysis of plasma from healthy men and women shows phospholipid class and molecular species differences between sexes. Lipids, 56, 2021, 229-242.
771. Derbyshire, E.J. and Calder, P.C., Respiratory tract infections and antibiotic resistance: a protective role for vitamin D? Frontiers in Nutrition, 8, 2021, 652469.
772. Glaysher, M.A., Ward, J., Aldhwayan, M., Ruban, A., Prechtl, C.G., Fisk, H.L., Chhina, N., Al-Najim, W., Smith, C., Klimowska-Nassar, N., Johnson, N., Falaschetti, E., Goldstone, A.P., Miras, A.D., Byrne, J.P., Calder, P.C. and Teare, J.P., The effect of a duodenal-jejunal bypass liner on lipid profile and blood concentrations of long chain polyunsaturated fatty acids. Clinical Nutrition, 40, 2021, 2343-2354.
773. Derbyshire, E.J. and Calder, P.C., Bronchiectasis – could immunonutrition have a role to play in future management? Frontiers in Nutrition, 8, 2021, 652410.
774. Butler, C.C., Owen-Jones, E., Lau, M., Gillespie, D., Lown, M., Calder, P.C., Stanton, H., Wootton, M., Castro Herrera V., Bayer, A., Davies, J., Edwards, A., Davoudianfar, M., Rutter, H., Hood, K., Moore, M., Little, P., Shepherd, V., Lowe, R., Miles, E.A., Townson, J., Hobbs, F.D.R., Francis, N.A. on behalf of the PRINCESS trail team. Probiotics to reduce antibiotic administration in care home residents aged 65 years and older: the PRINCESS RCT. Efficacy and Mechanism Evaluation 8, 2021, 7.
775. Baker, E.J., Miles, E.A. and Calder, P.C., A review of the functional effects of pine nut oil, pinolenic acid and its derivative, eicosatrienoic acid and their potential health benefits. Progress in Lipid Research, 82, 2021, 101097.
776. Harris, W.A., Calder, P.C., Mozaffarian, D. and Serhan, C.N., Bang and Dyerberg's omegs-3 discovery turns fifty. Nature Food, 2, 2021, 303-305.
777. Fisk, H.L., Kindberg, G.M., Hustvedt, S.O. and Calder, P.C., A novel n-3 glyceride mixture enhances enrichment of EPA and DHA after single dosing in heathy older adults: results from a double-blind crossover trial. British Journal of Nutrition, 126, 2021, 244-252.
778. Miles, E.A. and Calder, P.C., Effects of citrus fruit juices and their bioactive components on inflammation and immunity: a narrative review. Frontiers in Immunology, 12, 2021, 712608.
779. Calder, P.C., Nutrition and immunity: lessons for COVID-19. Nutrition and Diabetes, 11, 2021, 19.
780. Louca, P., Murray, B., Klaser, K., Graham, M.S., Mazidi, M., Leeming, E.R., Thompson, E., Bowyer, R., Drew, D.A., Nguyen, L.H., Merino, J., Gomez, M., Mompeo, O., Costeira, R., Sudre, C.H., Gibson, R., Steves, C.J., Wolf, J., Franks, P.W., Ourselin, S., Chan, A.T., Berry, S.E., Valdes, A.M., Calder, P.C., Spector, T.D. and Menni, C. Modest effects of dietary supplements during the COVID-19 pandemic: insights from 445 850 users of the COVID-19 Symptom Study app. BMJ Nutrition, Prevention & Health, 4, 2021, e000250.
781. Djuricic, I. and Calder, P.C., Beneficial outcomes of omega-6 and omega-3 polyunsaturated fatty acids on human health: an update for 2021. Nutrients, 13, 2021, 2421.
782. Calder, P.C., Health benefits of omega-3 fatty acids. In: Garcia-Moreno, P.J., Jacobsen, C., Moltke Sorensen, A-D. and Yesiltas, B., eds., Omega-3 Delivery Systems, Elsevier/Academic Press, London, 2021, 25-53.
783. Tobin, D., Vige, R. and Calder, P.C., Review: The nutritional management of multiple sclerosis with propionate. Frontiers in Immunology, 12, 2021, 676016.
784. Rosa Neto, J.C., Calder, P.C., Curi, R., Newsholme, P., Sethi, J.K. and Silveira, L.S., The immunometabolic roles of various fatty acids in macrophages and lymphocytes. International Journal of Molecular Sciences, 22, 2021, 8460.
785. Losol, P., Mercken, L.P., Fisk, H.L., Calder, P.C., Holloway, J.W. and Torrens, C., Maternal high-fat diet in mice alters immune regulation and lung function in the offspring. British Journal of Nutrition, 126, 2021, 844-852.
786. Razny, U., Goralska, J., Calder, P.C., Gruca, A., Childs, C.E., Kapusta, M., Slowinska-Solnica, K., Dembinska-Kiec, A., Solnica, B., Malczewska-Malec, M., The effect of caloric restriction with and without n-3 PUFA supplementation on bone turnover markers in blood of subjects with abdominal obesity: a randomized placebo-controlled trial. Nutrients, 13, 2021, 3096.
787. Talaei, M., Sdona, E., Calder, P.C., Jones, L.R., Emmett, P.M., Granell, R., Bergström, A., Melén, E. and Shaheen, S.O., Intake of n-3 polyunsaturated fatty acids in childhood, FADS genotype, and incident asthma. European Respiratory Journal, 58, 2021, 2003633.
788. Patan, M.J., Kennedy, D.O., Husberg, C., Hustvedt, S.O., Calder, P.C., Khan, J., Forster, J. and Jackson, P.A., Supplementation with oil rich in eicosapentaenoic acid, but not in docosahexaenoic acid, improves global cognitive function in healthy, young adults: results from randomized controlled trials. American Journal of Clinical Nutrition, 114, 2021, 914-924.
789. Santamarina, A.B., Pisani, L.P., Baker, E.J., Marat, A.D., Valenzuela, C.A., Miles, E.A. and Calder, P.C., Anti-inflammatory effects of oleic acid and the anthocyanin keracyanin alone and in combination: effects on monocyte and macrophage responses and the NF-κB pathway. Food and Function, 12, 2021, 7909-7922.

790. Calder, P.C., Nutrition and immunity: lessons for COVID-19. European Journal of Clinical Nutrition, 75, 2021, 1309-1318.
791. West, A.L., Miles, E.A., Han, L., Lillycrop, K.A., Napier, J.A., Calder, P.C. and Burdge, G.C., Dietary supplementation with transgenic *Camelina sativa* oil containing 20:5n-3 and 22:6n-3 or fish oil induces differential changes in the transcriptome of $CD3^+$ lymphocytes. Nutrients, 13, 2021, 3116.
792. Saleh, R.N.M., West, A.L., Ostermann, A.I., Schebb, N.H., Calder, P.C. and Minihane, A.M., APOE genotype modifies the plasma oxylipin response to omega-3 polyunsaturated fatty acid supplementation in heathy individuals. Frontiers in Nutrition, 8, 2021, 723813.
793. Valenzuela, C.A., Baker, E.J., De Souza, C.O., Miles, E.A. and Calder, P.C., Differential effects of ruminant and industrial 18-carbon trans-monounsaturated fatty acids (trans vaccenic and elaidic) on the inflammatory responses of an endothelial cell line. Molecules, 26, 2021, 5834.
794. Von Gerichten, J., West, A.L., Irvine, N.A., Miles, E.A., Calder, P.C., Lillycrop, K.A., Fielding, B.A. and Burdge, G.C., The partitioning of newly assimilated linoleic and a-linolenic acids between synthesis of longer-chain polyunsaturated fatty acids and hydroxyoctadecaenioc acids is a putative branch point in T-cell essential fatty acid metabolism. Frontiers in Immunology, 12, 2021, 740749.
795. Tesser, A., Torrinhas, R.S.M.M., Garla, P.C., Oliveira-Filho, R.S., Aprobato, F.G.G., Tamanaha, E.M., Antunes, M.S., Sampaio, G.R., Torres, E., Calder, P.C. and Linetzky Waitzberg, D., Is there an advantage in enriching parenteral lipid emulsions containing fatty acids from fish oil with medium-chain triglycerides? a study on body pool concentrations of ω-3 fatty acids in Lewis rats. JPEN Journal of Parenteral and Enteral Nutrition, 45, 2021, 1581-1590.
796. Bilson, J., Scorletti, E., Bindels, L.B., Afolabi, P.R., Targher, G., Calder, P.C., Sethi, J.K. and Byrne, C.D., Growth differentiation factor-15 and the association between type 2 diabetes and liver fibrosis in NAFLD. Nutrition and Diabetes, 11, 2021, 32.
797. Aristotelous, P., Stefanakis, M., Pantzaris, M., Pattichis, C.S., Calder, P.C., Patrikios, I.S., Sakkas, G.K. and Giannaki, C.D., The effects of specific omega-3 and omega-6 polyunsaturated fatty acids and antioxidant vitamins on gait and functional capacity parameters in patients with relapsing-remitting multiple sclerosis. Nutrients, 13, 2021, 3661.
798. Evans, R.A., McAuley, H., Harrison, E.M., Shikotra, A., Singapuri, A., Sereno, M., Elneima, O., Docherty, A.B., Lone, N.I., Leavy, O.C., Daines, L., Baillie, J.K., Brown, J.S., Chalder, T., De Soyza, A., Diar Bakerly, N., Easom, N., Geddes, J.R., Greening, N.J., Hart, N., Heaney, L.G., Heller, S., Howard, L., Hurst, J.R., Jacob, J., Jenkins, R.G., Jolley, C., Kerr, S., Kon, O.M., Lewis, K., Lord, J.M., McCann, G.P., Neubauer, S., Openshaw, P.J.M., Parekh, D., Pfeffer, P., Rahman, N.M., Raman, B., Richardson, M., Rowland, M., Semple, M.G., Shah, A.M., Singh, S.J., Sheikh, A., Thomas, D., Toshner, M., Chalmers, J.D., Ho, L.P., Horsley, A., Marks, M., Poinasamy, K., Wain, L.V., Brightling, C.E., PHOSP-COVID Collaborative Group, Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. Lancet Respiratory Medicine, 9, 2021, 1275-1287.
799. Miranda, D.T.S.Z., Zanatta, A.L., Miles, E.A., Calder, P.C. and Nishiyana, A., Leukotriene B4 limits the effectiveness of fish oil in an animal model of asthma. Heliyon, 7, 2021, e08326.
800. Rayman, M.P. and Calder, P.C., Optimising COVID-19 vaccine efficacy by ensuring nutritional adequacy. British Journal of Nutrition, 126, 2021, 1919-1920.
801. Derbyshire, E.J. and Calder, P.C., Editorial: Nutrition, immunity and lung health: Time to take center stage. Frontiers in Nutrition, 8, 2021, 797554.
802. Bird, J.K., Troesch, B., Warnke, I. and Calder, P.C., The effect of long chain n-3 omega-3 polyunsaturated fatty acids on muscle mass and function in sarcopenia: a scoping systematic review and meta-analysis. Clinical Nutrition ESPEN, 46, 2021, 73-86.
803. Carlson, S.E., Schipper, L., Brenna, J.T., Agostoni, C., Calder, P.C., Forsyth, S., Legrand, P., Abrahamse-Berkeveld, M., van de Heijning, B.J.M., van der Beek, E.M., Koletzko, B.V. and Muhlhausler, B., Perspective: Moving toward desirable linoleic acid content in infant formula. Advances in Nutrition, 12, 2021, 2085-2098.
804. Hulander, E., Bärebring, L., Turesson Wadell, A., Gjertsson, I., Calder, P.C., Winkvist, A and, Lindqvist, H.M., Proposed anti-inflammatory diet reduces inflammation in compliant, weight-stable patients with rheumatoid arthritis in a randomized controlled crossover trial. Journal of Nutrition, 151, 2021, 3856-3864.
805. Calder, P.C., Foods to deliver immune-supporting nutrients. Current Opinion in Food Science, 43, 2022, 136-145.
806. Calder, P.C. and Mundi, M.S., Bioactive fatty acids for public and patient benefit – harnessing the full potential. Current Opinion in Clinical Nutrition and Metabolic Care, 25, 2022, 57-59.
807. Govers, C., Calder, P.C., Savelkoul, H.F.J., Albers, R. and van Neerven R.J.J., Ingestion, immunity, and infection: nutrition and viral respiratory tract infections. Frontiers in Immunology, 13, 2022, 841532.
808. Fisk, H.L., Childs, C.E., Miles, E.A., Ayers, R., Noakes, P.S., Paras-Chavez, C., Kuda, O., Kopecky, J., Antoun, E., Lillycrop, K.A. and Calder, P.C., Modification of subcutaneous white adipose tissue inflammation by omega-3 fatty acids is limited in human obesity – a double blind, randomised controlled trial. eBioMedicine, 77, 2022, 103909.
809. Calder, P.C. and Rayman, M.P., Response to Plat and Mensink. British Journal of Nutrition, 127, 2022, 1119-1120.
810. Middleton, A-L.M., Byrne, J.P. and Calder, P.C., The influence of bariatric (metabolic) surgery on blood polyunsaturated fatty acids: a systematic review. Clinical Nutrition ESPEN, 48, 2022, 121-140.
811. Calder, P.C., Response to Singh and Singh. Nutrition ad Diabetes, 12, 2022.
812. Calder, P.C., Berger, M.M, Gombart, A.F., McComsey, G.A., Martineau, A.R. and Eggersdorfer, M., Micronutrients to support vaccine immunogenicity and efficacy. Vaccines, 10, 2022, 568.

813. Calder, P.C., Dietary factors and low-grade inflammation in relation to overweight and obesity revisited. British Journal of Nutrition, 127, 2022, 1455-1457.
814. Colquitt, A.S., Miles, E.A. and Calder. P.C., Do probiotics in pregnancy reduce allergies and asthma in infancy and childhood? a systematic review. Nutrients, 14, 2022, 1852.
815. Jenkins, B., Calder, P.C. and Marino, L.V., A systematic review of the definitions and prevalence of feeding intolerance in critically ill adults. Clinical Nutrition ESPEN, 49, 2022, 92-102.
816. Valenzuela, C.A., Baker, E.J., Miles, E.A. and Calder, P.C., Differential inflammatory responses in cultured endothelial cells exposed to two conjugated linoleic acids (CLAs) under a pro-inflammatory condition. International Journal of Molecular Sciences, 23, 2022, 6101.
817. Calder, P.C., Omega-3 fatty acids and metabolic partitioning of fatty acids within the liver in the context of nonalcoholic fatty liver disease. Current Opinion in Clinical Nutrition and Metabolic Care, 25, 2022, 248-255.
818. Calder, P.C., Early biochemical observations point to nutritional strategies to manage non-alcoholic fatty liver disease. Clinical Science, 136, 2022, 1019-1023.
819. Ruscica, M., Sirtori, C.R., Carugo, S., Calder, P.C. and Corsini, A. Omega-3 and cardiovascular protection – is this still a choice? Pharmacological Research, 182, 2022, 106342.
820. Fisk, H.L., Childs, C.E., Miles, E.A., Ayres, R., Noakes, P.S., Paras-Chavez, C., Antoun, E., Lillycrop, K.A. and Calder, P.C., Dysregulation of subcutaneous white adipose tissue inflammatory environment modelling in non-insulin resistant obesity and responses to omega-3 fatty acids - a double blind, randomised clinical trial. Frontiers in Immunology, 13, 2022, 922654.
821. PHOSP-COVID Collaborative Group. Clinical characteristics with inflammation profiling of long COVID and association with 1-year recovery following hospitalisation in the UK: a prospective observational study. Lancet Respiratory Medicine, 10, 2022, 761-775.
822. Pradelli, L., Adolph, M., Calder, P.C., Deutz, N.E., Carmona, T.G., Michael-Titus, A.T., Muscaritoli, M. and Singer, P. Commentary on "Guidelines for the provision of nutrition support therapy in the adult critically ill patient: The American Society for Parenteral and Enteral Nutrition". Journal of Parenteral and Enteral Nutrition, 46, 2022, 1226-1227.
823. Miles, E.A., Vahlberg, T., Calder, P.C., Houttu, N., Pajunen, L., Koivuniemi, E., Mokkala, K. and Laitinen, K., Iodine status in pregnant women and infants in Finland. European Journal of Nutrition, 61, 2022, 2919-2927.
824. Goralska, J., Razny, U., Calder, P.C., Gruca, A., Childs, C.E., Zabielski, P., Dembinska-Kiec, A., Banach, M., Solnica, B. and Malczewska-Malec, M., Glucose-dependent insulinotropic polypeptide plasma level influences the effect of n-3 PUFA supplementation. Diagnostics, 12, 2022, 1984.
825. Calder, P.C., Fishing for resolution. American Journal of Clinical Nutrition, 116, 2022, 627-629.
826. Engelen, M.P.K.J., Jonker, R., Sulaiman, H., Fisk, H.L., Calder, P.C. and Deutz, N.E.P., ω-3 polyunsaturated fatty acid supplementation improves postabsorptive and prandial protein metabolism in patients with chronic obstructive pulmonary disease: a randomized clinical trial. American Journal of Clinical Nutrition, 116, 2022, 686-698.
827. Miller, L.J., Douglas, C., McCullough, F.S., Stanworth, S.J. and Calder, P.C., Impact of enteral immunonutrition on infectious complications and immune and inflammatory markers in cancer patients undergoing chemotherapy: A systematic review of randomised controlled trials. Clinical Nutrition, 41, 2022, 2135-2146.
828. Eggersdorfer, M., Berger, M.M., Calder, P.C., Gombart, A.F., Ho, E., Laviano, A. and Meydani, S.N., Perspective: Role of micronutrients and omega-3 long-chain polyunsaturated fatty acids for immune outcomes of relevance to infections in older adults - a narrative review and call for action. Advances in Nutrition, 13, 2022, 1415-1430.
829. Calder, P.C., Ortega, E.F., Meydani, S.N., Adkins, Y., Stephensen, C.B., Thompson, B. and Zwicky, H., Nutrition, immunosenescence, and infectious disease: an overview of the scientific evidence on micronutrients and on modulation of the gut microbiota. Advances in Nutrition, 13, 2022, 1S-26S.
830. Dalle, C., Tournayre, J., Mainka, M., Basiak-Rasała, A., Pétéra, M., Lefèvre-Arbogast, S., Dalloux-Chioccioli, J., Deschasaux-Tanguy, M., Lécuyer, L., Kesse-Guyot, E., Fezeu, L.K., Hercberg, S., Galan, P., Samieri, C., Zatońska, K., Calder, P.C., Fiil Hjorth, M., Astrup, A., Mazur, A., Bertrand-Michel, J., Schebb, N.H., Szuba, A., Touvier, M., Newman, J.W. and Gladine, C., The plasma oxylipin signature provides a deep phenotyping of metabolic syndrome complementary to the clinical criteria. International Journal of Molecular Sciences, 23, 2022, 11688.
831. Jennings, M., Burova, M., Hamilton, L.G., Hunter, E., Morden, C., Pandya, D., Beecham, R., Moyses, H., Saeed, K., Afolabi, P.R., Calder, P.C., Dushianthan, A. and REACT COVID-19 Investigators. Body mass index and clinical outcome of severe COVID-19 patients with acute hypoxic respiratory failure: Unravelling the "obesity paradox" phenomenon. Clinical Nutrition ESPEN, 51, 2022, 377-384.
832. Djuricic, I. and Calder, P.C., Polyunsaturated fatty acids and metabolic health: novel insights. Current Opinion in Clinical Nutrition and Metabolic Care, 25, 2022, 436-442.
833. Calder, P.C. and Deutz, N.E.P., Measuring muscle protein synthesis in humans and the influence of nutritional state. Clinical Science, 136, 2022, 1425-1431.
834. Potter, T.I.T., Horgan, G.W., Wanders, A.J., Zandstra, E.H., Zock, P.L., Fisk, H.L., Minihane, A.M., Calder, P.C., Mathers, J.C. and de Roos, B. Models predict change in plasma triglyceride concentrations and long-chain n-3 polyunsaturated fatty acid proportions in healthy participants after fish oil intervention. Frontiers in Nutrition, 2022, 9, 989716.
835. Jost, Z., Tomczyk, M., Chroboczek, M, Calder, P.C. and Laskowski, R., Improved oxygen uptake efficiency parameters are not correlated with VO2peak or running economy and are not affected by omega-3 fatty acid supplementation in endurance runners. International Journal of Environmental Research and Public Health

19, 2022, 14043.
836. Jost, Z., Tomczyk, M., Chroboczek, M, Calder, P.C., Fisk, H.L., Przewlocka, K. and Antosiewicz, J., Increased plasma L-arginine levels and L-arginine/ADMA ratios after twelve weeks of omega-3 fatty acid supplementation in amateur male endurance runners. Nutrients, 14, 2022, 4749.
837. Li, R., Lau, H.X., Yap, Q.V., Chan, Y.H., Tham, E.H., Goh, A.E.N., Van Bever, H., Eriksson, J.G., Chan, S.Y., Tan, K.H., Chong, Y.S., Lee, B.W., Shek, L.P., Yap, F.K.P., Calder, P.C., Godfrey, K.M., Chong, M.F. and Loo, E.X.L., Maternal polyunsaturated fatty acids and allergic disease development in the offspring. Pediatric Allergy and Immunology, 33, 2022, e13876.
838. Osowska, S., Kunecki, M., Sobocki, Tokarczyk, J., Majewska, K., Burkacka, M., Radkowski, M., Makarewicz-Wujec, M., Fisk, H.L., Mashnafi, S., Baumgartner, S., Plat, J. and Calder, P.C., Potential for omega-3 fatty acids to protect against the adverse effect of phytosterols: comparing laboratory outcomes in adult patients on home parenteral nutrition including different lipid emulsions. Biology 11, 2022, 1699.
839. Kermack, A.J., Fesenko, I., Christensen, D.R., Parry, K.L., Lowen, P., Wellstead, S.J., Harris, S.F., Calder, P.C., Macklon, N.S. and Houghton, F.D., Incubator type affects human blastocyst formation and embryo metabolism: a randomized controlled trial. Human Reproduction, 37, 2022, 2757-2767.
840. Marquette, M., Tailor, B.V., Calder, P.C., Curtis, P.J., Loke, Y and, Wilson, A.M., Urinary leukotriene E4 as a biomarker in NSAID-Exacerbated Respiratory Disease (N-ERD): a systematic review and meta-analysis. Current Allergy and Asthma Reports, 22, 2022, 209-229.
841. West, A.L., von Gerichten, J., Irvine, N.A., Miles, E.A., Lillycrop, K.A., Calder, P.C., Fielding, B.A. and Burdge, G.C., Fatty acid composition and metabolic partitioning of a-linolenic acid are contingent on life stage in human CD3+ T lymphocytes. Frontiers in Immunology, 13, 2022, 1079642.
842. Jenkins, B., Calder, P.C. and Marino, L.V., A scoping review considering potential biomarkers or functional measures of gastrointestinal dysfunction and enteral feeding intolerance in critically ill adults. Clinical Nutrition ESPEN, 52, 2022, 331-339.
843. Liew, F., Talwar, S., Cross, A., Willett, B.J., Scott, S., Logan, N., Siggins, M.K., Swieboda, D., Sidhu, J.K., Efstathiou, C., Moore, S.C., Davis, C., Mohamed, N., Nunag, J., King, C., Thompson, A.A.R., Rowland-Jones, S.L., Docherty, A.B., Chalmers, J.D., Ho, L.P., Horsley, A., Raman, B., Poinasamy, K., Marks, M., Kon, O.M., Howard, L., Wootton, D.G., Dunachie, S., Quint, J.K., Evans, R.A., Wain, L.V., Fontanella, S., de Silva, T.I., Ho, A., Harrison, E., Baillie, J.K., Semple, M.G., Brightling, C., Thwaites, R.S., Turtle, L., Openshaw, P.J.M,. ISARIC4C Investigators, PHOSP-COVID collaborative group, SARS-CoV-2-specific nasal IgA wanes 9 months after hospitalisation with COVID-19 and is not induced by subsequent vaccination. EBioMedicine, 16, 2023, 104402.
844. Valenzuela, C.A., Baker, E.J., Miles, E.A. and Calder, P.C., Conjugated linoleic acids have anti-inflammatory effects in cultured endothelial cells. International Journal of Molecular Science, 24, 2023, 874.
845. Lindqvist, H.M., Winkvist, A., Gjertsson, I., Calder, P.C., Armando, A.M., Quehenberger, O., Coras, R. and Guma, M., Influence of dietary n-3 long chain polyunsaturated fatty acid intake on oxylipins in erythrocytes of women with rheumatoid arthritis. Molecules, 28, 2023, 717.
846. Tomczyk, M., Jost, Z., Chroboczek, M., Urbański, R., Calder, P.C., Fisk, H.L., Sprengel, M. and Antosiewicz, J., Effects of 12 wk of omega-3 fatty acid supplementation in long-distance runners. Medicine and Science in Sports and Exercise, 55, 2023, 216-224.
847. Djuricic, I. and Calder, P.C., Pros and cons of long-chain omega-3 polyunsaturated fatty acids in cardiovascular health. Annual Review of Pharmacology and Toxicology, 63, 2023, 383-406.
848. Calder, P.C., Bioactive omega-3 fatty acids are associated with reduced risk and severity of SARS-CoV-2 infection. American Journal of Clinical Nutrition, 117, 2023, 213-215.
849. Grimble, R.F. and Calder, P.C., Cytokines: Metabolic and nutritional aspects. In: Caballero, B., Ed., Encyclopedia of Human Nutrition, 4th edition, Elsevier/Academic Press, 2023; vol. 2, 48-56.
850. Calder, P.C., Dietary modulation of inflammation. In: Caballero, B., Ed., Encyclopedia of Human Nutrition, 4th edition, Elsevier/Academic Press, 2023; vol. 2, 67-78.
851. Singer, P. and Calder, P.C., The role of omega-3 polyunsaturated fatty acids in the intensive care unit. Current Opinion in Clinical Nutrition and Metabolic Care, 26, 2023, 129-137.
852. McAuley, H.J.C., Evans, R.A., Bolton, C.E., Brightling, C.E., Chalmers, J.D., Docherty, A.B., Elneima, O., Greenhaff, P.L., Gupta, A., Harris, V.C., Harrison, E.M., Ho, L.P., Horsley, A., Houchen-Wolloff, L., Jolley, C.J., Leavy, O.C., Lone, N.I., Man, W.D., Marks, M., Parekh, D., Poinasamy, K., Quint, J.K., Raman, B., Richardson, M., Saunders, R.M., Sereno, M., Shikotra, A., Singapuri, A., Singh, S.J., Steiner, M., Tan, A.L., Wain, L.V., Welch, C., Whitney, J., Witham, M.D., Lord, J., Greening, N.J., PHOSP-COVID Study Collaborative Group. Prevalence of physical frailty, including risk factors, up to 1 year after hospitalisation for COVID-19 in the UK: a multicentre, longitudinal cohort study. EClinicalMedicine, 257, 2023, 101896.
853. Calder, P.C. and Harris, W.S., Editorial: Lipids to support physiology and function: both quantity and quality are important. Current Opinion in Clinical Nutrition and Metabolic Care, 26, 2023, 273-277.
854. Dyson, E., Helbig, R., Avermaete, T., Halliwell, K., Calder, P.C., Brown, L.R., Ingram, J., Popping, B., Verhagen, H., Boobis, A.R., Guelinckx, I., Dye, L. and Boyle, N., Impacts of the Ukraine–Russia conflict on the global food supply chain and building future resilience. Eurochoices, 22, 2023, 14-19.
855. Einerhand, A.W.C., Mi, W., Haandrikman, A., Sheng, X-Y. and Calder, P.C., The impact of linoleic acid on infant health in the absence or presence of DHA in infant formulas. Nutrients, 15, 2023, 2187.
856. Calder, P.C., Do endogenously produced and dietary □-3 fatty acids act differently? Function, 4, 2023, zaqd009.
857. Santamarina, A.B., Calder, P.C., Estadella, D. and Pisani, L.P., Anthocyanins ameliorate obesity-associated metainflammation: Preclinical and clinical evidence. Nutrition Research, 114, 2023, 50-70.

858. Chan, S.Y., Barton, S.J., Loy, S.L., Chang, H.F., Titcombe, P., Wong, J.T., Ebreo, M., Ong, J., Tan, K.M., Nield, H., El-Heis, S., Kenealy, T., Chong, Y., Baker, P.N., Cutfield, W.S., Godfrey, K.M.; NiPPeR Study Group. Time-to-conception and clinical pregnancy rate with a myo-inositol, probiotics, and micronutrient supplement: secondary outcomes of the NiPPeR randomized trial. Fertility and Sterility, 119, 2023, 1031-1042.
859. Zheng, B., Vivaldi, G., Daines, L., Leavy, O.C., Richardson, M., Elneima, O., McAuley, H.J.C., Shikotra, A., Singapuri, A., Sereno, M., Saunders, R.M., Harris, V.C., Houchen-Wolloff, L., Greening, N.J., Pfeffer, P.E., Hurst, J.R., Brown, J.S., Shankar-Hari, M., Echevarria, C., De Soyza, A., Harrison, E.M., Docherty, A.B., Lone, N., Quint, J.K., Chalmers, J.D., Ho, L.P., Horsley, A., Marks, M., Poinasamy, K., Raman, B., Heaney, L.G., Wain, L.V., Evans, R.A., Brightling, C.E., Martineau, A., Sheikh, A., PHOSP-COVID Study Collaborative Group. Determinants of recovery from post-COVID-19 dyspnoea: analysis of UK prospective cohorts of hospitalised COVID-19 patients and community-based controls. Lancet Regional Health – Europe, 2023, 29, 100635.
860. Tschiderer, L., Seekircher, L., Izzo, R., Mancusi, C., Manzi, M.V., Baldassarre, D., Amato, M., Tremoli, E., Veglia, F., Tuomainen, T.P., Kauhanen, J., Voutilainen, A., Iglseder, B., Lind, L., Rundek, T., Desvarieux, M., Kato, A., de Groot, E., Aşçi, G., Ok, E., Agewall, S., Beulens, J.W.J., Byrne, C.D., Calder, P.C., Gerstein, H.C., Gresele, P., Klingenschmid, G., Nagai, M., Olsen, M.H., Parraga, G., Safarova, M.S., Sattar, N., Skilton, M., Stehouwer, C.D.A., Uthoff, H., van Agtmael, M.A., van der Heijden, A.A., Zozulińska-Ziółkiewicz, D.A., Park, H.W., Lee, M.S., Bae, J.H., Beloqui, O., Landecho, M.F., Plichart, M., Ducimetiere, P., Empana, J.P., Bokemark, L., Bergström, G., Schmidt, C., Castelnuovo, S., Calabresi, L., Norata, G.D., Grigore, L., Catapano, A., Zhao, D., Wang, M., Liu, J., Ikram, M.A., Kavousi, M., Bots, M.L., Sweeting, M.J., Lorenz, M.W., Willeit, P.; Proof-ATHERO Study Group. Association of intima-media thickness measured at the common carotid artery with incident carotid plaque: individual participant data meta-analysis of 20 prospective studies. Journal of the American Heart Association, 12, 2023, e027657.
861. Burger, B., Sagiorato, R.N., Silva, J.R., Candreva, T., Pacheco, M.R., White, D., Castelucci, B.G., Pral, L.P., Fisk, H.L., Rabelo, I.L.A., Elias-Oliveira, J., Osório, W.R., Consonni, S.R., Farias, A.D.S., Vinolo, M.A.R., Lameu, C., Carlos, D., Fielding, B.A., Whyte, M.B., Martinez, F.O., Calder, P.C. and Rodrigues, H.G., Eicosapentaenoic acid-rich oil supplementation activates PPAR-γ and delays skin wound healing in type 1 diabetic mice. Frontiers in Immunology, 14, 2023, 1141731.
862. von Gerichten, J., West, A.L., Irvine, N.A., Miles, E.A., Calder, P.C., Lillycrop, K.A., Burdge, G.C. and Fielding, B.A., Oxylipin secretion by human CD3+ T lymphocytes in vitro is modified by the exogenous essential fatty acid ratio and life stage. Frontiers in Immunology, 14, 2023, 1206733.
863. Dunbar, C.L., Aukema, H.M., Calder, P.C., Gibson, D.L., Henrickson, S.E., Khan, S., Mailhot, G., Panahi, S., Tabung, F.K., Tom, M., Upton, J.E.M., Winer, D.A. and Field, C.J., Nutrition and immunity: perspectives on key issues and next steps. Applied Physiology Nutrition and Metabolism, 48, 2023, 484-497.
864. Irvine, N.A., West, A.L., Von Gerichten, J., Miles, E.A., Lillycrop, K.A., Calder, P.C., Fielding, B.A. and Burdge, G.C., Exogenous tetracosahexaenoic acid modifies the fatty acid composition of human primary T lymphocytes and Jurkat T cell leukemia cells contingent on cell type. Lipids 58, 2023, 185-196.
865. Singer, P., Blaser, A.R., Berger, M.M., Calder, P.C., Casaer, M., Hiesmayr, M., Mayer, K., Montejo-Gonzalez, J.C., Pichard, C., Preiser, J.C., Szczeklik, W., van Zanten, A.R.H. and Bischoff, S.C., ESPEN practical and partially revised guideline: Clinical nutrition in the intensive care unit. Clinical Nutrition, 42, 2023, 1671-1689.
866. Jackson, C., Stewart, I.D., Plekhanova, T., Cunningham, P.S., Hazel, A.L., Al-Sheklly, B., Aul, R., Bolton, C.E., Chalder, T., Chalmers, J.D., Chaudhuri, N., Docherty, A.B., Donaldson, G., Edwardson, C.L., Elneima, O., Greening, N.J., Hanley, N.A., Harris, V.C., Harrison, E.M., Ho, L.P., Houchen-Wolloff, L., Howard, L.S., Jolley, C.J., Jones, M.G., Leavy, O.C., Lewis, K.E., Lone, N.I., Marks, M., McAuley, H.J.C., McNarry, M.A., Patel, B.V., Piper-Hanley, K., Poinasamy, K., Raman, B., Richardson, M., Rivera-Ortega, P., Rowland-Jones, S.L., Rowlands, A.V., Saunders, R.M., Scott, J.T., Sereno, M., Shah, A.M., Shikotra, A., Singapuri, A., Stanel, S.C., Thorpe, M., Wootton, D.G., Yates, T., Gisli Jenkins, R., Singh, S.J., Man, W.D., Brightling, C.E., Wain, L.V., Porter, J.C., Thompson, A.A.R., Horsley, A., Molyneaux, P.L., Evans, R.A., Jones, S.E., Rutter, M.K., Blaikley, J.F., PHOSP-COVID Study Collaborative Group, Effects of sleep disturbance on dyspnoea and impaired lung function following hospital admission due to COVID-19 in the UK: a prospective multicentre cohort study. Lancet Respiratory Medicine, 11, 2023, 673-684.
867. Stanner, S., Spiro, A., Ahmadi, K., Brunstrom, J., Calder, P.C., Frost, G., Walton, G. and Warren, M., Translational research to identify solutions to the UK's key diet, health and nutrition challenges: The Diet and Health Open Innovation Research Club Innovation Hubs. Nutrition Bulletin, 48, 2023, 310-313.
868. Calder, P.C. and Yaqoob, P., Fat Metabolism. In: Geissler, C. and Powers, H., Eds., Human Nutrition, 14th Edition, Oxford University Press, Oxford, 2023; 161-184.
869. Calder, P.C., Dietary fatty acids, lipid mediators, immunity and inflammation In: Sanders, T.A.B., Ed., Functional Dietary Lipids, 2nd Edition, Woodhead Publishing/Elsevier, Cambridge and Kidlington, 2024, 187-214.
870. C-MORE/PHOSP-COVID Collaborative Group, Multiorgan MRI findings after hospitalisation with COVID-19 in the UK (C-MORE): a prospective, multicentre, observational cohort study. Lancet Respiratory Medicine, 11, 2023, 1003-1019.
871. Brightling, C.E., Evans, R.A., Singapuri, A., Smith, N., Wain, L.V., PHOSP-COVID Collaborative Group, Long COVID research: an update from the PHOSP-COVID Scientific Summit. Lancet Respiratory Medicine, 11, 2023, e93-e94.
872. Tomczyk, M., Heileson, J.L., Babiarz, M. and Calder, P.C., Athletes can benefit from increased intake of EPA

and DHA-evaluating the evidence. Nutrients, 15, 2023, 4925.
873. Gillespie, D., Wootton, M., Ray, R., Calder, P.C., Lau, T.M., Owen-Jones, E., Lowe, R., Davies, L., Richards, J., Hood, K., Castro-Herrera, V., Davies, J., Francis, N.A., Hobbs, F.D.R., Lown, M., Moore, M., Shepherd, V. and Butler, C.C., Gut microbiology of UK care home residents: a cross-sectional analysis from a randomised controlled trial. Clinical Microbiology and Infection, 29, 2023, 1437-1442.
874. Calder, P.C., Bach-Faig, A., Bevacqua, T., Caballero Lopez, C.G., Chen, Z.Y., Connolly, D., Koay, W.L., Meydani, S.N., Pinar, A.S., Ribas-Fiho, D. and Pierre, A., Vital role for primary healthcare providers: urgent need to educate the community about daily nutritional self-care to support immune function and maintain health. BMJ Nutrition, Prevention and Health, 6, 2023, e000755.
875. Taquet, M., Skorniewska, Z., Zetterberg, H., Geddes, J.R., Mummery, C.J., Chalmers, J.D., Ho, L.P., Horsley, A., Marks, M., Poinasamy, K., Raman, B., Leavy, O.C., Richardson, M., Elneima, O., McAuley, H.J.C., Shikotra, A., Singapuri, A., Sereno, M., Saunders, R.M., Harris, V.C., Houchen-Wolloff, L., Mansoori, P., Greening, N.J., Harrison, E.M., Docherty, A.B., Lone, N.I., Quint, J., Greenhalf, W., Wain, L.V., Brightling, C.E., Evans, R.E., Harrison, P.J., Koychev, I., PHOSP-COVID Study Collaborative Group. Post-acute COVID-19 neuropsychiatric symptoms are not associated with ongoing nervous system injury. Brain Communications, 6, 2023, fcad357.
876. Berger, M.M., Amrein, K., Barazzoni, R., Bindels, L., Bretón, I., Calder, P.C., Cappa, S., Cuerda, C., D'Amelio, P., de Man, A., Delzenne, N.M., Forbes, A., Genton, L., Gombart, A.F., Joly, F., Laviano, A., Matthys, C., Phyo, P.P., Ravasco, P., Serlie, M.J., Shenkin, A., Stoffel, N.U., Talwar, D. and van Zanten, A.R.H., The science of micronutrients in clinical practice - Report on the ESPEN symposium. Clinical Nutrition, 43, 2024, 268-283.
877. Bilson, J., Oquendo, C.J., Read, J., Scorletti, E., Afolabi, P.R., Lord, J., Bindels, L.B., Targher, G., Mahajan, S., Baralle, D., Calder, P.C., Byrne, C.D. and Sethi, J.K., Markers of adipose tissue fibrogenesis associate with clinically significant liver fibrosis and are unchanged by synbiotic treatment in patients with NAFLD. Metabolism, 151, 2024, 155759.
878. Houttu, N., Vahlberg, T., Miles, E.A., Calder, P.C. and Laitinen, K., The impact of fish oil and/or probiotics on serum fatty acids and the interaction with low-grade inflammation in pregnant women with overweight and obesity: secondary analysis of a randomised controlled trial. British Journal of Nutrition, 131, 2024, 296-311.
879. Löwik, M.R., Astrup, A., Boobis, A.R., Calder, P.C., Daniel, H., Rietjens, I.M., Sievenpiper, J.L. and Verhagen, H., Risk assessment of nutrients: There must be a threshold for their effects. Regulatory Toxicology and Pharmacology, 146, 2024, 105539.
880. Mancuzo, D.C., Machado, N.M., Teppedino, J., Santander, L., Calder, P.C., Waitzberg, D.L. and Torrinhas, R.S., Effect of Roux-en-Y Gastric Bypass on circulating oxylipin profile in women with obesity and type 2 diabetes. Prostaglandins Leukotrienes and Essential Fatty Acids, 200, 2024, 102605.
881. Lord, J.M., Veenith, T., Sullivan, J., Sharma-Oates, A., Richter, A.G., Greening, N.J., McAuley, H.J.C., Evans, R.A., Moss, P., Moore, S.C., Turtle, L., Gautam, N., Gilani, A., Bajaj, M., Wain, L.V., Brightling, C., Raman, B., Marks, M., Singapuri, A., Elneima, O., Openshaw, P.J.M., Duggal, N.A., PHOSP-COVID Study collaborative group, ISARIC4C investigators. Accelerated immune ageing is associated with COVID-19 disease severity. Immunity and Ageing, 21, 2024, 6.
882. Rund, K.M., Carpanedo, L., Lauterbach, R., Wermund, T., West, A.L., Wende, L.M., Calder, P.C. and Schebb, N.H., LC-ESI-HRMS - lipidomics of phospholipids: Characterization of extraction, chromatography and detection parameters. Analytical and Bioanalytical Chemistry, 416, 2024, 925-944.
883. Blaauw, R., Calder, P.C., Martindale, R.G. and Berger, M.M., Combining proteins with n-3 PUFAs (EPA + DHA) and their inflammation pro-resolution mediators for preservation of skeletal muscle mass. Critical Care, 28, 2024, 38.
884. Calder, P.C. and Watts, G.F., Quantitative and qualitative aspects od lipids and lipoproteins in health and disease: nutrition, physiology and genetics. Current Opinion in Clinical Nutrition and Metabolic Care, 27, 2024, 87-90.
885. Tomczyk, M., Bidzan-Wiącek, M., Kortas, J.A., Kochanowicz, M., Jost, Z., Fisk, H.L., Calder, P.C. and Antosiewicz, J., Omega-3 fatty acid supplementation affects tryptophan metabolism during a 12-week endurance training in amateur runners: a randomized controlled trial. Scientific Reports, 14, 2024, 4102.
886. Galekop, M.M.J., Del Bas, J.M., Calder, P.C., Uyl-De Groot, C.A. and Redekop, W.K., A health technology assessment of personalized nutrition interventions using the EUnetHTA HTA Core Model. International Journal of Technology Assessment in Health Care, 40, 2024, e15.
887. Yaqoob, P. and Calder, P.C., The immune and inflammatory systems. In: Roche, H.M., MacDonald, I.A., Schols, A.W.J. and Lanham-New, S.A., eds. Nutrition and Metabolism, 3rd Edition (The Nutrition Society Textbook Series), Oxford, Wiley-Blackwell, 2024, 329-355.
888. Djuricic, I. and Calder, P.C., Omega-3 (n-3) fatty acid-statin interaction: evidence for a novel therapeutic strategy for atherosclerotic cardiovascular disease. Nutrients, 16, 2024, 962.
889. Calder, P.C., New evidence for efficacy of marine-sourced n-3 fatty acids in postoperative patients. American Journal of Clinical Nutrition, 119, 2024, 865-867.
890. Liew, F., Efstathiou, C., Fontanella, S., Richardson, M., Saunders, R., Swieboda, D., Sidhu, J.K., Ascough, S., Moore, S.C., Mohamed, N., Nunag, J., King, C., Leavy, O.C., Elneima, O., McAuley, H.J.C., Shikotra, A., Singapuri, A., Sereno, M., Harris, V.C., Houchen-Wolloff, L., Greening, N.J., Lone, N.I., Thorpe, M., Thompson, A.A.R., Rowland-Jones, S.L., Docherty, A.B., Chalmers, J.D., Ho, L.P., Horsley, A., Raman, B., Poinasamy, K., Marks, M., Kon, O.M., Howard, L.S., Wootton, D.G., Quint, J.K., de Silva, T.I., Ho, A., Chiu, C., Harrison, E.M., Greenhalf, W., Baillie, J.K., Semple, M.G., Turtle, L., Evans, R.A., Wain, L.V., Brightling, C., Thwaites, R.S., Openshaw, P.J.M., PHOSP-COVID collaborative group snd ISARIC investigators, Large-

scale phenotyping of patients with long COVID post-hospitalization reveals mechanistic subtypes of disease. Nature Immunology, 25, 2024, 607-621.

891. Bozbas, E., Zhou, R., Soyama, S., Allen-Redpath, K., Mitchell, J.L., Fisk, H.L., Calder, P.C., Jones, C., Gibbins, J.M., Fischer, R., Hester, S. and Yaqoob, P., Dietary n-3 polyunsaturated fatty acids alter the number, fatty acid profile and coagulatory activity of circulating and platelet-derived extracellular vesicles: a randomized, controlled crossover trial. American Journal of Clinical Nutrition, 119, 2024, 1175-1186.
892. Jenkins, B., Calder, P.C. and Marino, LV., Gastric residual volume monitoring practices in UK intensive care units: A web-based survey. Journal of the Intensive Care Society, 25, 2024, 156-163.
893. Arioz Tunc, H., Childs, C.E., Swann, J.R. and Calder, P.C., The effect of oral probiotics on response to vaccination in older adults: a systematic review of randomised controlled trials. Age and Ageing, 53 (supplement 2), 2024, ii70-ii79.
894. Calder, P.C., Obituary: Professor Graham Burdge. British Journal of Nutrition, 131, 2024, 1841-1843.
895. Lawson, C.A., Moss, A.J., Arnold, J.R., Bagot, C., Banerjee, A., Berry, C., Greenwood, J., Hughes, A.D., Khunti, K., Mills, N.L., Neubauer, S., Raman, B., Sattar, N., Leavy, O.C., Richardson, M., Elneima, O., McAuley, H.J., Shikotra, A., Singapuri, A., Sereno, M., Saunders, R., Harris, V., Houchen-Wolloff, L., Greening, N.J., Harrison, E., Docherty, A.B., Lone, N.I., Quint, J.K., Chalmers, J., Ho, L.P., Horsley, A., Marks, M., Poinasamy, K., Evans, R., Wain, L.V., Brightling, C., McCann, G.P. and PHOSP-COVID Study Collaborative Group., Long COVID and cardiovascular disease: a prospective cohort study. Open Heart, 11, 2024, e002662.
896. Serhan, C.N., Back, M., Chiurchiu, V., Hersberger, M., Mittendorfer, B., Calder, P.C., Waitzberg, D.L., Stoppe, C., Klek, S., Martindale, R.G. on behalf of the International Lipids in Parenteral Nutrition Summit 2022 Experts, Expert consensus report on lipid mediators: Role in resolution of inflammation and muscle preservation. FASEB Journal, 2024, 38, e23699.
897. Gafari, O., Bahrami-Hessari, M., Norton, J., Parmar, R., Hudson, M., Ndegwa, L., Agyapong-Badu, S., Asante, K.P., Alwan, N.A., McDonough, S., Tully, M.A., Calder, P.C., Barker, M. and Stokes. M., Building trust and increasing inclusion in public health research: co-produced strategies for engaging UK ethnic minority communities in research. Public Health, 233, 2024, 90-99.
898. Gafari, O., Stokes, M., Agyapong-Badu, S., Alwan, N.A., Calder, P.C., McDonough, S., Tully, M.A. and Barker, M., Including the values of UK ethnic minority communities in policies to improve physical activity and healthy eating. Discover Public Health, 21, 2024, 40.
899. Stoppe, C., Martindale, R.G., Klek, S., Calder, P.C., Wischmeyer, P.E. and Patel, J.J., The role of lipid emulsions containing omega-3 fatty acids for medical and surgical critical care patients. Critical Care, 28, 2024, 271.
900. Taquet, M., Skorniewska, Z., De Deyn, T., Hampshire, A., Trender, W.R., Hellyer, P.J., Chalmers, J.D., Ho, L.P., Horsley, A., Marks, M., Poinasamy, K., Raman, B., Leavy, O.C., Richardson, M., Elneima, O., McAuley, H.J.C., Shikotra, A., Singapuri, A., Sereno, M., Saunders, R.M., Harris, V.C., Rogers, N., Houchen-Wolloff, L., Greening, N.J., Mansoori, P., Harrison, E.M., Docherty, A.B., Lone, N.I., Quint, J., Brightling, C.E., Wain, L.V., Evans, R.A., Geddes, J.R., Harrison, P.J., PHOSP-COVID Study Collaborative Group, Cognitive and psychiatric symptom trajectories 2-3 years after hospital admission for COVID-19: a longitudinal, prospective cohort study in the UK. Lancet Psychiatry, 11, 2024, 696-708.
901. Engelen, M.P.K.J., Simbo, S.Y., Ruebush, L.E., Thaden, J.J., Ten Have, G.A.M., Harrykissoon, R.I., Zachria, A.J., Calder, P.C., Pereira, S.L. and Deutz, N.E.P., Functional and metabolic effects of omega-3 polyunsaturated fatty acid supplementation and the role of β-hydroxy-β-methylbutyrate addition in chronic obstructive pulmonary disease: A randomized clinical trial. Clinical Nutrition, 43, 2024, 2263-2278.
902. Posnakidis, G., Giannaki, C.D., Mougios, V., Pantzaris, M., Patrikios, I., Calder, P.C., Sari, D.K., Bogdanis, G.C. and Aphamis, G., Effects of supplementation with omega-3 and omega-6 polyunsaturated fatty acids and antioxidant vitamins, combined with high-intensity functional training, on exercise performance and body composition: a randomized, double-blind, placebo-controlled trial. Nutrients, 16, 2024, 2914.
903. Jackson, K.H., Harris, W.S., Belury, M.A., Kris-Etherton, P.M. and Calder, P.C., Beneficial effects of linoleic acid on cardiometabolic health: an update. Lipids in Health and Disease, 23, 2024, 296.
904. Keijer, J., Escoté, X., Galmés, S., Palou-March, A., Serra, F., Aldubayan, M,A,, Pigsborg, K., Magkos, F., Baker, E.J., Calder, P.C., Góralska, J., Razny, U., Malczewska-Malec, M., Suñol, D., Galofré, M., Rodríguez, M.A., Canela, N., Malcic, R.G., Bosch, M., Favari, C., Mena, P., Del Rio, D., Caimari, A., Gutierrez, B., Del Bas, J.M,, in name of the PREVENTOMICS Consortium: Empowering Consumers to Prevent diet-related diseases through-OMIC sciences. Omics biomarkers and an approach for their practical implementation to delineate health status for personalized nutrition strategies. Critical Reviews in Food Science and Nutrition 64, 2024, 8279-8307.
905. Choi, G.Y. and Calder, P.C., The differential effects of eicosapentaenoic acid and docosahexaenoic acid on cardiovascular risk factors: an updated systematic review of randomized controlled trials. Frontiers in Nutrition, 11, 2024, 1423228.
906. Elneima, O., McAuley, H.J.C., Leavy, O.C., Chalmers, J.D., Horsley, A., Ho, L.P., Marks, M., Poinasamy, K., Raman, B., Shikotra, A., Singapuri, A., Sereno, M., Harris, V.C., Houchen-Wolloff, L., Saunders, R.M., Greening, N.J., Richardson, M., Quint, J.K., Briggs, A., Docherty, A.B., Kerr, S., Harrison, E.M., Lone, N.I., Thorpe, M., Heaney, L.G., Lewis, K.E., Aul, R., Beirne, P., Bolton, C.E., Brown, J.S., Choudhury, G., Bakerly, N.D., Easom, N., Echevarria, C., Fuld, J., Hart, N., Hurst, J.R., Jones, M.G., Parekh, D., Pfeffer, P., Rahman, N.M., Rowland-Jones, S.L., Thompson, A.R., Jolley, C., Shah, A.M., Wootton, D.G., Chalder, T., Davies, M.J., De Soyza, A., Geddes, J.R., Greenhalf, W., Heller, S., Howard, L.S., Jacob, J., Jenkins, R.G., Lord, J.M., Man, W.D., McCann, G.P., Neubauer, S., Openshaw, P.J., Porter, J.C., Rowland, M.J., Scott, J.T.,

Semple, M.G., Singh, S.J., Thomas, D.C., Toshner, M., Smith, N., Sheikh, A., Brightling, C.E., Wain, L.V., Evans, R.A., PHOSP-COVID Collaborative Group. Cohort profile: post-hospitalisation COVID-19 (PHOSP-COVID) study. International Journal of Epidemiology, 53, 2024, dyad165.

907. Tuohy, K., Vaughan, E.E., Harthoorn, L.F., Blaak, E.E., Burnet, P.W.J., Busetti, A., Chakrabarti, A., Delzenne, N., de Vos, P., Dye, L., Guillemet, D., Houghton, L.A., Kardinaal, A.F.M., Mersh, C., Musa-Veloso, K., Nielsen, A., Palasinska, J., Salminen, S., Walton, G., Venlet, N., Hubermont, C. and Calder, P.C., Prebiotics in food and dietary supplements: a roadmap to EU health claims. Gut Microbes, 16, 2024, 2428848.
908. Klek, S., Chambrier, C., Szczepanek, K., Kunecki, M., Sobocki, J., Wanten, G., Pironi, L., Schneider, S.M., Rahman, F., Cooper, S.C., Calder, P.C., Gabe, S. and Forbes, A., Safe and well-tolerated long-term parenteral nutrition regimen: Omega-3-fatty-acid-enriched medium chained/long chained triglycerides emulsion. Clinical Nutrition, 43, 2024, 415-424.
909. Petersen, K.S., Maki, K.C., Calder, P.C., Belury, M.A., Messina, M., Kirkpatrick, C.F. and Harris, W.S., Perspective on the health effects of unsaturated fatty acids and commonly consumed plant oils high in unsaturated fat. British Journal of Nutrition, 132, 2024, 1039-1050.
910. Baker, E.J., Calder, P.C., Kermack, A.J., Brown, J.E., Mustapha, M., Kitson-Reynolds, E. and Garvey, J.J., Omega-3 LC-PUFA consumption is now recommended for women of childbearing age and during pregnancy to protect against preterm and early preterm birth: implementing this recommendation in a sustainable manner. Frontiers in Nutrition, 11, 2024, 1502866.
911. Luetragoon, T., Daowtak, K., Thongsri, Y., Potup, P., Calder, P.C. and Usuwanthim, K., Anti-Inflammatory potential of 3-hydroxy-β-ionone from moringa oleifera: decreased transendothelial migration of monocytes through an inflamed human endothelial cell monolayer by inhibiting the IκB-α/NF-κB signaling pathway. Molecules, 29, 2024, 5873.
912. Calder, P.C., Nutrition and inflammatory processes. In: Tucker, K.L., Duggan, C.P., Jensen, G.L., Petersen, K.E., Ross, A.C. and Touger-Decker, R. (eds.) Modern Nutrition in Health and Disease (12th Edition). Jones and Barlett Learning, Burlington, 2026, pp. 919-927.
913. Franks, S.J., Dunster, J.L., Carding, S.R., Lord, J.M., Hewison, M., Calder, P.C. and King, J.R., Modelling the influence of vitamin D and probiotic supplementation on the microbiome and immune response. Mathematical Medicine and Biology, 41, 2024, 304-345.
914. Childs, C.E. and Calder, P.C., Nutrition and early life immune health. In: Szajewska, H. and Kolaček, S. (eds.) The Changing Landscape of Pediatric Nutrition: Latest Trends and Future Directions. Karger, Basel, 2024, pp. 125-138.
915. Gharibzadeh, S., Routen, A., Razieh, C., Zaccardi, F., Lawson, C., Gillies, C., Heller, S., Davies, M., Atkins, H., Bain, S.C., Lone, N.L., Poinasamy, K., Peto, T., Robertson, E., Young, B., Johnston, D., Quint, J., Valabhji, J., Ismail, K., Marks, M., Horsley, A., Docherty, A., Harrison, E., Chalmers, J., Ho, L.P., Raman, B., Brightling, C., Elneima, O., Evans, R., Greening, N., Harris, V.C., Houchen-Wolloff, L., Sereno, M., Shikotra, A., Singapuri, A., Wain, L., Langenberg, C., Dennis, J., Petrie, J., Sattar, N., Leavy, O., Richardson, M., Saunders, R.M., McArdle, A., McASuley, H., Yates, T., Khunti, K., PHOSP-COVID Study Collaborative Group. Long term health outcomes in people with diabetes 12 months after hospitalisation with COVID-19 in the UK: a prospective cohort study. EClinicalMedicine, 79, 2025, 103005.
916. Tyrer, F., Gharibzadeh, S., Gillies, C., Lawson, C., Routen, A., Islam, N., Razieh, C., Zaccardi, F., Yates, T., Davies, M.J., Brightling, C.E., Chalmers, J.D., Docherty, A.B., Elneima, O., Evans, R.A., Greening, N.J., Harris, V.C., Harrison, E.M., Ho, L.P., Horsley, A., Houchen-Wolloff, L., Leavy, O.C., Lone, N.I., Marks, M., McAuley, H.J.C., Poinasamy, K., Quint, J.K., Raman, B., Richardson, M., Saunders, R., Sereno, M., Shikotra, A., Singapuri, A., Wain, L.V., Khunti, K., PHOSP-COVID Study Collaborative Group. Incidence of diabetes mellitus following hospitalisation for COVID-19 in the United Kingdom: A prospective observational study. Diabetes Obesity and Metabolism, 27, 2025, 767-776.
917. Calder, P.C., Kreider, R.B. and McKay, D.L., Enhanced vitamin C delivery: a systematic literature review assessing the efficacy and safety of alternative supplement forms in healthy adults. Nutrients, 17, 2025, 279.
918. Waitzberg, D.L. and Calder, P.C., Lipid metabolism and therapy: another year of exciting advances. Current Opinion in Clinical Nutrition and Metabolic Care, 28, 2025, 51-53.
919. Martindale, R.G., Calder, P.C., Cogle, S.V., Evans, D.C., Gramlich, L., McClave, S.A., Mundi, M.S., Muscaritoli, M., Nishikawa, R., Patel, J., Pradelli, L., Rosenthal, M., Stoppe, C., Tappenden, K.A., Warren, M., Waitzberg, D., Wischmeyer, P.E. and Klek, S., Lipids in parenteral nutrition – expert consensus statements: translating guidelines into clinical practice. Clinical Nutrition Open Science, 60, 2025, 50-65.
920. Vaz, C., Burton, M., Kermack, A.J., Tan, P.F., Huan, J., Yoo, T.P.X., Donnelly, K., Wellstead, S.J., Wang, D., Fisk, H.L,, Houghton, F.D., Lewis, S., Chong, Y.S., Gluckman, P.D., Cheong, Y., Macklon, N.S., Calder, P.C., Dutta, A., Godfrey, K.M., Kumar, P., Lillycrop, K.A. and Karnani, N., Short-term diet intervention comprising of olive oil, vitamin D, and omega-3 fatty acids alters the small non-coding RNA (sncRNA) landscape of human sperm. Scientific Reports, 15, 2025, 7790.
921. Calder, P.C., Novel lipid emulsion supports positive outcomes in piglets receiving total parenteral nutrition, Journal of Nutrition. 155, 2025, 664-666.
922. Calder, P.C., Nutrition and immunity: lessons from coronavirus disease-2019. Proceedings of the Nutrition Society, 84, 2025, 8-23.
923. Glencross, B.D., Bachis, E., Betancor, M.B., Calder, P., Liland, N., Newton R. and Ruyter, B., Omega-3 futures in aquaculture: exploring the supply and demands for long-chain omega-3 essential fatty acids by aquaculture species. Reviews in Fisheries Science & Aquaculture, 33, 2025, 167-216.
924. Bork, C., Dahm, C.C., Calder, P.C., Lundbye-Christensen, S., Olsen, A., Overvad, K. and Schmidt, E.B.,

Adipose tissue content of ω-6 polyunsaturated fatty acids and all-cause mortality: A Danish prospective cohort study. American Journal of Clinical Nutrition, 121, 2025, 865-872.
925. Beauregard, L.H., Bazarian, J.J., Johnson, B.D., Cheng, H., Ellis, G., Kronenberger, W., Calder, P.C., Chen, Z., Silveyra, P., Quinn, P.D., Newman, S.D., Mickleborough, T.D. and Kawata, K., Investigating omega-3 fatty acids' neuroprotective effects in repetitive subconcussive neural injury: Study protocol for a randomized placebo-controlled trial. PLoS One 20, 2025, e0321808.
926. Calder, P.C., Heightened inflammation and immune impairments in those living with obesity may be worsened by coexistence of type-2 diabetes. American Journal of Clinical Nutrition, 121, 2025, 1211-1213.
927. Galekop, M.M.J., Calder, P.C., Baker, E.J., Goralska, J., Razny, U., Malczewska-Malec, M., Uyl-de Groot, C.A. and Redekop, W.K., Cost-effectiveness of personalised nutrition in adults with overweight and obesity: PREVENTOMICS studies in Poland and the UK. Journal of Human Nutrition and Dietetics, 38, 2025, e70071.
928. Sharman, A., Zhou, R., Pugh, J., Close, G., Fisk, H.L., Calder, P.C. and Yaqoob, P., High-dose fish oil supplements are more effective than oily fish in altering the number and function of extracellular vesicles in healthy human subjects: a randomised, double-blind, placebo-controlled, parallel trial. British Journal of Nutrition, 133, 2025, 934-944