

VITAE

CAROL S. JOHNSTON
Nutrition Program
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Academic Training

Biological Sciences, University of Texas, Austin, PhD, 1986
Nutrition, University of Texas, Austin, MS, 1983
Nutrition, University of Michigan, Ann Arbor, BS, 1979

Credentials

Registered Dietitian, 1988

Professional Employment Record

Professor and Associate Dean for Faculty Success (tenured/tenure-track faculty), College of Health Solutions, Arizona State University, 2018-present
Professor and Associate Director, Nutrition Program, School of Nutrition and Health Promotion, Arizona State University, 2011-2018
Professor and Director, Nutrition Program, College of Nursing and Health Innovation, Arizona State University, 2009-2011
Professor and Chair, Department of Nutrition, Arizona State University, 2006-2009
Professor, Department of Nutrition, Arizona State University, 2000-2006
Associate Professor, Department of Family Resources & Human Development, Arizona State University, 1993-2000
Assistant Professor, Department of Family Resources & Human Development, Arizona State University, 1986-1993
Instructor, Austin Community College, Austin, TX, 1983-1986
Teaching Assistant/Research Assistant, University of Texas, Austin, 1980-1986
Statistical Clerk, Bureau of Epidemiology, Texas Department of Health, 1979-1980

Funded Grants and Gifts

1. PI Beneficial effects of maqui berry extract combination with omega-3 fatty acids on cytokine reduction in elderly obese adults. Inflammation Foundation (5/1/2021 - 4/30/2022) \$94,540
2. PI (CoPIs: Chang&Liu) Effect of two food supplements palmitoylethanolamide and curcumin, on proinflammatory markers in adults recently diagnosed with COVID-19: Two randomized controlled trials. Gencor Lifestage Solutions (10/1/2020- 09/30/2021) \$264,084
3. Consultant (PI: Kulina) HEAL: Phoenix (Healthy Eating and Living in Phoenix) Vitalyst Health Foundation (10/1/2020-6/30/2021) \$30,000
4. CoI (PI: Wharton) Food systems and the circular economy: Analyzing sustainable sourcing, food production and health impacts related to plant-based foods. Circular Economy Faculty Projects (4/11/18-9/1/18) \$20,000
5. PI Medical Nutrition Education Initiative for Healthcare Providers- Arizona State University College of Health Solutions. Flinn Foundation (10/1/16 – 9/30/21) \$558,241
6. CoPI (PI: Sweazea) Evaluation of the protective effects of a beet juice energy drink on vascular health. Isagenix Int. (07/01/2015 - 06/30/2016) \$60,726
7. CoI (PI: Tasveska) Investigation of Biomarkers for Sugars Intake - A Controlled Feeding Study. HHS-NIH-National Cancer Institute (NCI) (7/1/2015 – 6/30/2020) \$3,168,604
8. PI The Effects of Re-Engineered Carbohydrates on Metabolic Syndrome. Inflammation Foundation (8/4/2014 - 8/3/2015) \$111,850
9. CoPI (PI:Sweazea) Evaluation of the Anti-aging Properties of Product B. Isagenix Int. (8/1/2013 - 11/30/2014) \$107,267

10. CoPI (PI:Sweazea) Almond Ingestion to Reduce Hemoglobin A1C in Individuals with Type 2 Diabetes. Almond Board of CA (7/1/2012 - 12/31/2013) \$151,992
11. PI Effects of Peanut Products on Satiety and Weight Management in an Overweight Campus Community. Peanut Institute. (12/1/2010 - 11/30/2011) \$100,000
12. CoPI (PI:Martin), Effect of a polysaccharide supplement with Aloe on the bioavailability of dietary antioxidants in healthy adults. Mannatech (2/7/2010 - 12/31/2011) \$62,699
13. CoPI (PI:Winham) Impact of Daily Navy Bean Consumption on Biomarkers for Heart Disease and Type 2 Diabetes Risk. Bush Brothers (8/1/2005 - 9/30/2006) \$50,000
14. PI The Impact of Vitamin C Status on Fat Oxidation, Adiponectin Concentrations, and Body Mass. General Mills/Bell Institute of Health (5/1/2005 - 4/30/2006) \$61,200
15. CoPI (PI: Hutchins) The Role of Insulin Sensitivity in the Success of Weight Loss Diets. Pfeiffer Research Foundation (8/1/2004 - 7/31/2005) \$74,910
16. PI Evaluation of the Efficacy and Healthfulness of Two Popular Low Carbohydrate Diets - Atkins versus the Zone. Inflammation Research Foundation (8/1/2004 - 7/31/2005) \$50,827
17. CoPI (PI:Winham) Impact of Long-Term Chickpea Consumption on Biomarkers for Heat Disease and Type 2 Diabetes Risk. Michigan State University (6/1/2004 - 5/31/2006) \$187,000
18. PI Vitamin C Metabolism. Inter-Cal Corporation (1992) \$12,000
- Faculty-Grant-in-Aid & Research Incentive Awards (Arizona State University) 1987-2003 \$75,000
- Gifts 1988-2023, Nutrition Research Fund of the ASU Foundation, PI, \$472,000

Book Chapters (n=14)

1. Johnston CS. Vitamin C. In: *Present Knowledge in Nutrition*, 11th ed. (ed: Bernadette Marriott Diane F. Birt Virginia Stalling Allison Yates) Elsevier, 2020.
2. Sweazea K, Johnston CS. Cardioprotective Potential of Flaxseeds in Diabetes. In: *Bioactive Foods as Dietary Interventions for Diabetes*, 2nd Edition (ed: Watson R, Preedy V) Elsevier; San Diego, CA: Elsevier, ch. 24, 2019.
3. Johnston CS. Vegetarian diet and possible mechanisms for impact on mood. In: *Vegetarian and Plant Based Diets in Health and Disease Prevention*, 1st Edition (ed: Mariotti F) Academic Press, 2017.
4. Johnston CS, Steinberg FM, Rucker RB. Ascorbic Acid. In: *Handbook of Vitamins*, 5th ed. CRC Press:Boca Raton FL, 2013.
5. Johnston CS. Vitamin C. In: *Present Knowledge in Nutrition*, 10th ed. (eds. Erdman JW, MacDonald IA, Zeisel SH) John Wiley and Sons Inc:Hoboken NJ, 2012.
6. Johnston CS. Medicinal Uses of Vinegar. In: *Complementary and Alternative Therapies' and the Aging Population*. (ed. Watson RR) Academic Press, 2008.
7. Benton MJ, Swan PD, Johnston CS. Timing of Post-Exercise Protein Does Not Affect Gains in Lean Mass but May Influence Loss of Fat Mass in Women. In: *Progress in Exercise and Women's Health Research* (ed. Coulter JP) Nova Science Publishers Inc:Hauppauge NY, 2008.
8. Johnston CS, Steinberg FM, Rucker RB. Ascorbic Acid. In: *Handbook of Vitamins*, 4th ed. CRC Press:Boca Raton FL, 2007.
9. Johnston CS. Vitamin C. In: *Present Knowledge in Nutrition*, 9th ed. (eds. Bowman BA, Russell RM) ILSI Press:Washington, DC, 2006.
10. Johnston CS. Orange juice: Are the health benefits of oranges lost during processing? In: *Beverage Impacts on Health and Nutrition*. (eds. Wilson T, Temple NJ) Humana Press; Totowa NJ. 2003
11. Johnston CS. Potential adverse effects of vitamins C and E. In: *The Antioxidant Vitamins C and E*. (eds Packer L, Traber MG, Kraemer K, Frei B) AOCS Press:Champaign IL. 2002.
12. Johnston CS. Vitamin C. In: *Present Knowledge in Nutrition*, 8th ed. (eds. Bowman BA, Russell RM) ILSI Press:Washington, DC, 2001.
13. Johnston CS, Steinberg FM, Rucker RB. Ascorbic Acid. In: *Handbook of Vitamins*, 3rd ed. (eds. Rucker RB, Suttie JW, McCormick DB, Machlin LJ) Marcel Dekker, Inc:New York, 2001.
14. Johnston CS. The antihistamine action of ascorbic acid. In: Harris JR, ed. *Subcellular Biochemistry*. Vol 25: Ascorbic Acid: Biochemistry and Biomedical Cell Biology. New York: Plenum Press, 1995.

Refereed Journal Publications [corresponding author bolded; asterisk indicates primary mentored student] **h-Index** [Google Scholar as of December 31, 2023]=55; **i10-index=105**; **h-index since 2018=36** [9182 total citations]

Total number of journal articles: 143.

1. Arnold T*, **Johnston CS**. An examination of relationships between vitamin B12 status and functional measures of peripheral neuropathy in young adult vegetarians. *Frontiers in Nutrition*. 2023, 10 [18 Dec.]
2. Bartholomae E*, **Johnston CS**. Nitrogen Balance at the Recommended Dietary Allowance for Protein in Minimally Active Male Vegans. *Nutrients*. 2023, 15(14), 3159.
3. Pang M*, Alexon C, Trier C, **Johnston CS**. Daily Ingestion of Protein Bars (With or Without Added Fiber) Increased Energy Intake and Body Fat Mass after One Week in Healthy Adults: A Crossover Trial. *Journal of Functional Foods* 2023, 104, 105547.
4. **Fessler SN***, Chang Y, Liu L, Johnston, CS. Curcumin Confers Anti-Inflammatory Effects in Adults Who Recovered from COVID-19 and Were Subsequently Vaccinated: A Randomized Controlled Trial. *Nutrients* 2023, 15, 1548.
5. Phares S*, Irving A, McCoy M, **Johnston CS**. Associations Between Food Skills and Resilience in Adults Ages 18 to 45 in the USA During the COVID-19 Pandemic (2020 April–June): A Brief Report. *Adversity and Resilience Science*. 2022 Dec 20;1-6.
6. **Vento KA**, Koskan A, Lynch H, Kavouras S, Johnston C, Wardenaar FC. Effect of increased water intake on uropathogenic bacterial activity of underhydrated menstruating young adult women: A randomized crossover trial. *Nutrition and Health*. 2022; Oct 12:2601060221129159.
7. **Mayra ST***, Chondropoulos K*, De Leon A*, Kravat N*, Johnston CS. Early Time-restricted Eating May Favorably Impact Cognitive Acuity in University Students: A Randomized Pilot Study. *Nutrition Research*. 2022 Dec;108:1-8.
8. Bartholomae E*, Knurick J*, **Johnston CS**. Serum Creatinine as an Indicator of Lean Body Mass in Vegetarians and Omnivores. *Frontiers in Nutrition*. 2022 Sep 16;9:996541.
9. **Mayra ST***, Chondropoulos K*, De Leon A*, Kravat N*, Johnston CS. The Feasibility and Preliminary Efficacy of Early Time-Restricted Eating on Diet Quality in College Students: A Randomized Pilot Study. *Obesity Research & Clinical Practice*. 2022 Sep-Oct;16(5):413-420.
10. **Arefeen A**, Fessler S, Johnston C, Ghasemzadeh H. Forewarning Postprandial Hyperglycemia with Interpretations using Machine Learning, 2022 IEEE-EMBS International Conference on Wearable and Implantable Body Sensor Networks (BSN), 2022, pp. 1-4 (Refereed Conference Paper)
11. Lundy C*, Fessler S*, **Johnston CS**. Erythrocyte Osmotic Fragility is not Linked to Vitamin C Nutriture in Adults with Well-Controlled Type 2 Diabetes. *Frontiers in Nutrition*. 2022 Aug 12;9:954010.
12. **Fessler SN***, Liu L, Chang Y, Yip T, Johnston CS. Palmitoylethanolamide Reduces Proinflammatory Markers in Unvaccinated Adults Recently Diagnosed With COVID-19: A Randomized Controlled Trial. *Journal of Nutrition*. 2022 Oct 6;152(10):2218-2226.
13. Freedman LS, Kipnis V, Midthune D, Commins J, Barrett B, Sagi-Kiss V, Palma-Duran SA, Johnston CS, O'Brien DM, **Tasevska N**. Establishing 24-hour urinary sucrose plus fructose as a predictive biomarker for total sugars intake. *Cancer Epidemiology, Biomarkers and Prevention*. 2022 Mar 21;cebp.1293.2021.
14. **Mayra S***, Johnston CS. Arterial Stiffness and Cardiometabolic Health in Omnivores and Vegetarians: A cross-sectional pilot study. *BMC Research Notes* 2022 Feb 19;15(1):69.
15. Curtin A*, **Johnston CS**. Vitamin B6 supplementation reduces symptoms of depression in college women taking oral contraceptives: a randomized, double-blind crossover trial. *Journal of Dietary Supplements*. 2022 Feb 2;1-13.
16. **O'Brien DM**, Sagi-Kiss V, Palma Duran SA, Cunningham C, Barrett B, Johnston CS, Midthune D, Kipnis V, Freedman LS, Tasevska N. An evaluation of the serum carbon isotope ratio as a candidate predictive biomarker for dietary animal protein ratio (animal protein/total protein) in a 15-d controlled feeding study of US adults. *American Journal of Clinical Nutrition* 2022;115(4):1134-1143.
17. Skinner J, Vento K, Johnston CS and **Wardenaar F**. Using nutrition knowledge and diet quality questionnaires as screening tools to identify female collegiate athletes in need of dietitian referral. *Canadian Journal of Dietetic Practice and Research*. 2022;May 3:1-6.

18. **Johnston CS**, Jasbi P*, Jin Y, Bauer S, Williams S, Fessler S*, Gu H. Daily Vinegar Ingestion Improves Depression Scores and Alters the Metabolome in Healthy Adults: A Randomized Controlled Trial. *Nutrients* 2021 Nov 11;13(11):4020.
19. **Tasevska N**, Sagi-Kiss V, Palma-Duran SA, Barrett B, Chaloux M, Commins J, O'Brien DM, Johnston CS, Midthune D, Kipinis V, Freedman LS. Investigating the performance of twenty-four-hour urinary sucrose and fructose as a biomarker of total sugars intake in US participants - a controlled feeding study *American Journal of Clinical Nutrition* 2021;114(2):721-30.
20. **Wardenaar F**, Ortega-Santos C, Vento K, Beaumont J, Griffin SC, Johnston CS, Kavouras S. Reliability of three urine specific gravity meters measuring brix and urine solutions at different temperatures. *Journal of Athletic Training*. 2021; March 31.
21. **Wardenaar F**, Ortega-Santos C; Vento K, Beaumont J, Griffin S, Johnston C, Kavouras S. A 5-day heat acclimation program improves heat stress indicators while maintaining exercise capacity. *Journal of Strength and Conditioning Research*. 2021 May 1;35(5):1279-1286.
22. Rafferty AJ*, Hall R, **Johnston CS**. A Novel Mobile App (Heali) for Disease Treatment in Participants With Irritable Bowel Syndrome: Randomized Controlled Pilot Trial. *J Med Internet Res* 2021;23(3):e24134
23. Anderson S*, Gonzalez LA*, Jasbi P*, **Johnston CS**. Evidence That Daily Vinegar Ingestion May Contribute to Erosive Tooth Wear in Adults. *J Med Food*. 2021 Aug;24(8):894-896.
24. Feise N*, **Johnston CS**. Commercial vinegar tablets do not display the same physiological benefits for managing postprandial glucose concentrations as liquid vinegar. *Journal of Nutrition and Metabolism*. 2020, Article ID 9098739
25. **Lynch HM***, Buman MP, Dickinson JM, Ransdell LB, Johnston CS, Wharton CM. No significant differences in muscle growth and strength development when consuming soy and whey protein supplements matched for leucine following a 12-week resistance-training program in men and women: a randomized trial. *International Journal of Environmental Research and Public Health*. 2020;17(11):3871.
26. **Johnston CS**, Lynch H, Wharton C. Reply to "Limitations of the Digestible Indispensable Amino Acid Score (DIAAS) and Choice of Statistical Reporting. Comment on "A Comparison of Dietary Protein Digestibility, Based on DIAAS Scoring, in Vegetarian and Non-Vegetarian Athletes." *Nutrients* 2020, 12, 1184.
27. Ciuris C*, Lynch H, Wharton C, **Johnston CS**. A comparison of dietary protein digestibility, based on DIAAS scoring, in vegetarian and non-vegetarian athletes. *Nutrients*. 2019, 11(12).
28. Jasbi P*, Baker O*, Shi X, Gonzalez L*, Wang S, Anderson S*, Xi B, **Gu H, Johnston CS**. Daily Red Wine Vinegar Ingestion for Eight Weeks Improves Glucose Homeostasis and Affects the Metabolome but does not Reduce Adiposity in Adults 2019 *Food Function*. 2019;10(11):7343-7355.
29. Bartholomae E*, Incollingo A*, Vizcaino M, Wharton C, **Johnston CS**. Mung bean protein supplement improves muscular strength in healthy, underactive vegetarian adults. 2019 *Nutrients* 2019, 11(10).
30. Olzinski S, Beaumont J, Toledo M, Yudell A, Johnston CS, **Wardenaar FC**. Hydration Status and Fluid Needs of Division I Female Collegiate Athletes Exercising Indoors and Outdoors. *Sports*. 2019;7(7).
31. Mayra S*, Ugarte N*, **Johnston CS**. Health Biomarkers in Adults are More Closely Linked to Diet Quality Attributes than to Plant-Based Diet Categorization. *Nutrients* 2019, 11(6).
32. **Berardy A**, Johnston CS, Plukis A, Vizcaino M, Wharton C. Integrating Protein Quality and Quantity with Environmental Impacts in Life Cycle Assessment. *Sustainability* 2019, 11(10), 2747
33. Mayra, ST*, **Johnston CS**, Sweazea KL. High-nitrate salad increased plasma nitrates/nitrites and brachial artery flow-mediated dilation in postmenopausal women: A pilot study. *Nutrition Research*. 2019;65:99-104
34. **Lynch H***, Johnston C, Wharton C. Plant-based diets: protein considerations and exercise performance implications. *Nutrients* 2018, 10, 1841.
35. **Johnston CS**, Bliss C*, Knurick JR*, Scholtz C*. Rapid Eating Assessment for Participants [shortened version] scores are associated with Healthy Eating Index-2010 scores and other indices of diet quality in healthy adult omnivores and vegetarians. *Nutrition Journal* 2018;17:89.
36. **Sweazea KL**, Johnston CS, Miller B, Gumprecht E. Nitrate-rich fruit and vegetable supplement reduces blood pressure in normotensive healthy young males without significantly altering flow-mediated vasodilation: a randomized, double-blinded, controlled trial. *Journal of Nutrition and Metabolism*. 2018 Sep 16;2018:1729653

37. **Johnston CS**, Sears B, Perry M, Knurick JR*. Use of Novel High-Protein Functional Food Products as Part of a Calorie-Restricted Diet to Reduce Insulin Resistance and Increase Lean Body Mass in Adults: A Randomized Controlled Trial. *Nutrients* 2017, 9, 11.
38. **Johnston CS**, Sweazea KL, Schwab E*, McElaney EA*. Almond ingestion contributes to improved cardiovascular health in sedentary older adults participating in a walking intervention: A pilot study. *Journal of Functional Foods*. 2017; 39:58-62.
39. **Johnston CS**, Snyder D*, Smith C. Commercially available gluten-free pastas elevate postprandial glycemia in comparison to conventional wheat pasta in healthy adults: a double-blind randomized crossover trial. *Food and Function*. 2017; 8:3139-3144.
40. Cosgrove K*, **Johnston CS**. Examining the impact of adherence to a vegan diet on acid-base balance in healthy adults. *Plant Foods for Human Nutrition* 2017; 72:308-313.
41. Ricklefs-Johnson K*, Johnston CS, **Sweazea KL**. Ground flaxseed increased nitric oxide levels in adults with type 2 diabetes: A randomized comparative effectiveness study of supplemental flaxseed and psyllium fiber. *Obesity Medicine* 2017; 5:16–24
42. Ipjian ML*, **Johnston CS**. Smartphone technology facilitates dietary change in healthy adults. *Nutrition* 2016 August 24 [Epub ahead of print] 2017; 33:343–347
43. **Sweazea KL**, Johnston CS, Knurick J*, Bliss C*. Plant-based nutraceutical increases plasma catalase activity in healthy participants: A small double-blind, randomized, placebo-controlled, proof of concept trial. *Journal of Dietary Supplements*. 2016 Aug 15 [Epub ahead of print] 2017;14:200-213
44. Thompson-Felty C*, **Johnston CS**. Adherence to Diet Applications using a Smartphone was associated with Weight Loss in Healthy Overweight Adults Irrespective of the Application. *Journal of Diabetes Science and Technology*. 2016 Jul 9. [Epub ahead of print] 2017;11:184-185.
45. **Lynch H***, Wharton C, Johnston CS. Cardiorespiratory fitness and peak differences between vegetarian and omnivore endurance athletes: a cross-sectional study. *Nutrients*. 2016, 8, 726.
46. **Miller BJ***, Whisner CM, Johnston CS. Vitamin D Supplementation Appears to Increase Plasma A β 40 in Vitamin D Insufficient Older Adults: A Pilot Randomized Controlled Trial. *Journal of Alzheimer's Disease* 2016;52:843-847.
47. Mayol-Kreiser SN, Garcia-Turner VM*, **Johnston CS**. Examining the utility of a laser device for measuring height in free-living adults and children. *Nutrition Journal* 2015;14,93.
48. Knurick JR*, **Johnston CS**, Wherry SJ, Aguayo I*. Comparison of Correlates of Bone Mineral Density in Individuals Adhering to Lacto-Ovo, Vegan, or Omnivore Diets: A Cross-Sectional Investigation. *Nutrients* 2015, 7, 3416-3426.
49. Arnold TA*, **Johnston CS**, Lee CD, Garza AM*. Eating in the absence of hunger in college students. *Appetite*. 2015;92:51–56.
50. **Johnston CS**, Barkyoub GM*, Schumacher SS*. Vitamin C supplementation slightly improves physical activity levels and reduces cold incidence in men with marginal vitamin C status: a randomized controlled trial. *Nutrients*. 2014;6:2572-2583
51. **Sweazea KL**, Johnston CS, Ricklefs KD*, Petersen CN*. Almond supplementation in the absence of dietary advice significantly reduces C-reactive protein in subjects with type 2 diabetes. *Journal of Functional Foods* 2014; 10:252-259.
52. **Wharton CM**, Johnston CS, Cunningham B*, Sterner D*. Dietary self-monitoring, but not dietary quality, improves with use of smartphone app technology in an 8-week weight loss trial. *Journal of Nutrition Education and Behavior* 2014; 46:440–444
53. Bjorge-Schohl B*, **Johnston CS**, Trier CM*, Fleming KR*. Agreement in Participant-Coded and Investigator-Coded Food-Record Analysis in Overweight Research Participants: An Examination of Interpretation Bias. *Journal of the Academy of Nutrition and Dietetics* 2014; 114:796-801.
54. **Beezhold BL**, Johnston CS, Nocht KA*. Sodium benzoate-rich beverage consumption is associated with Attention Deficit Hyperactivity Disorder in college students: a pilot investigation. *Journal of Attention Disorders* 2014; 18:236-241.
55. **Johnston CS**, Quagliano S*, White S*. Vinegar ingestion at mealtime reduced fasting blood glucose concentrations in healthy adults at risk for type 2 diabetes. *Journal of Functional Foods* 2013; 5: 2007–2011
56. **Johnston CS**, Trier CM*, Fleming KR*. The effect of peanut and grain bar preloads on postmeal satiety, glycemia, and weight loss in healthy individuals: an acute and a chronic randomized intervention trial. *Nutrition Journal* 2013;12:35.

57. Huck CJ*, **Johnston CS**, BL Beezhold*, PD Swan. Vitamin C Status and Perception of Effort during Exercise in Obese Adults Adhering To a Calorie-Reduced Diet *Nutrition* 2013;29:42-45.
58. Trier CM*, **Johnston CS**. Ingestion of nutrition bars high in protein or carbohydrate does not impact 24-h energy intakes in healthy young adults *Appetite*. 2012;59:778-781
59. **Beezhold BL***, Johnston CS. Restriction of meat, fish, and poultry in omnivores improves mood: a pilot randomized controlled trial *Nutrition Journal* 2012;11:9.
60. **Gaesser GA**, Angadi SS, Ryan DM, Johnston CS. Lifestyle measures to reduce inflammation. *American Journal of Lifestyle Medicine* 2012;6:1-10.
61. Cohen AE*, **Johnston CS**. Almond ingestion at meal-time reduces postprandial glycemia and chronic ingestion reduces hemoglobin A1c in individuals with well-controlled type 2 diabetes. *Metabolism – Clinical and Experimental* 2011;60:1312-1317.
62. Schlueter AK*, **Johnston CS**. Vitamin C: Overview and Update. *Journal of Evidence-Based Complementary & Alternative Medicine* 2011;16:49-57.
63. Kniskern MA*, **Johnston CS**. Protein dietary reference intakes may be inadequate for vegetarians if low amounts of animal protein are consumed. *Nutrition*. 2011;27:727-730
64. **Beezhold BL***, Johnston CS, Daigle DR*. Vegetarian diets are associated with healthy mood states: a cross-sectional study in Seventh Day Adventist adults. *Nutrition Journal* 2010;9:26.
65. **Johnston CS**, Steplewska I*, Long CA*, Harris LN*, Ryals RH*. An examination of the antiglycemic properties of vinegar in healthy adults. *Annals of Nutrition and Metabolism* 2010;56:74-79.
66. **Salbe AD**, Johnston CS, Buyukbese MA, Tsitouras Pd, Harman SM. Use of an Oral Insulin Suppression Test to Determine the Effects of Vinegar on Carbohydrate Absorption from a Co-Ingested Meal. *Nutrition Research* 2009;29:846-849.
67. **Johnston CS**. Functional foods as modifiers of cardiovascular disease. *American Journal of Lifestyle Medicine* 2009; 3; 39S.
68. **Johnston CS**, White AM*, and Kent SM*. Preliminary Evidence that Regular Vinegar Ingestion Favorably Influences Hemoglobin A1c Values in Individuals with Type 2 Diabetes Mellitus. *Diabetes Research and Clinical Practice*. 2009;84:e15-17.
69. **Benyshek DC***, Johnston CS, Martin JF, Ross WD*. Insulin sensitivity is normalized in the third generation (F3) offspring of developmentally programmed insulin resistant (F2) rats fed an energy-restricted diet. *Nutrition & Metabolism* 2008; 5:26.
70. **Johnston CS**, White AM*, Kent SM*. A preliminary evaluation of the safety and tolerance of medicinally ingested vinegar in individuals with type 2 diabetes. *Journal of Medicinal Foods* 2008;11:179-183.
71. White AM*, **Johnston CS**. Vinegar ingestion at bedtime moderates waking glucose concentrations in adults with well-controlled type 2 diabetes. *Diabetes Care*. 2007;30:2814-2815.
72. **Johnston CS**, Beezhold BL*, Mostow B*, Swan PD. Plasma vitamin C is inversely related to body mass index and waist circumference but not to plasma adiponectin in non-smoking adults *Journal of Nutrition* 2007;137:1757-1762.
73. White AM*, **Johnston CS**, Swan PD, Tjonn SL*, Sears B. Blood ketones are directly related to fatigue and perceived effort during exercise in overweight adults adhering to low carbohydrate diets for weight loss: a pilot study. *Journal of the American Dietetic Association*, 2007;107:1792-1796.
74. **Winham D**, Hutchins, AM, Johnston CS. Pinto bean consumption reduces biomarkers for heart disease risk. *Journal of the American College of Nutrition*. 2007;26:243-249.
75. **Johnston CS**, Tjonn SL*, Swan PD, White AM*, Hutchins H, Sears B. Benefits of ketogenic diets (letter reply). *American Journal of Clinical Nutrition*. 2007;85:239-40.
76. Kleiner RE*, **Hutchins AM**, Johnston CS, Swan PD. Effects of an 8-week high protein or high carbohydrate diet in adults with hyperinsulinemia. *Medscape General Medicine*. 2006;8(4).
77. **Johnston CS**, Tjonn SL*, Swan PD, White AM*, Sears B. Low-carbohydrate, high-protein diets that restrict potassium-rich fruits and vegetables promote calciuria. *Osteoporosis International*. 2006;17:1820-21.
78. **Johnston CS**. Metabolic advantage of low-carbohydrate diets (letter reply). *Journal of the American College of Nutrition* 2006;25:436
79. **Johnston CS**, Corte C*, Swan PD. Marginal vitamin C status is associated with reduced fat oxidation during submaximal exercise in young adults. *Nutrition and Metabolism* 2006;3:35

80. **Johnston CS**, Gaas CA*. Vinegar: Medicinal uses and antiglycemic effect. *Medscape General Medicine*. 2006;8:61.
81. **Johnston CS**, Tjonn SL*, Swan PD, White A*, Hutchins H, Sears B. Ketogenic low-carbohydrate diets have no metabolic advantage as compared to non-ketogenic low-carbohydrate diets. *American Journal of Clinical Nutrition* 2006;83:1055-1061.
82. **Benyshek D***, Johnston C, Martin J. Glucose metabolism is altered in the adequately-nourished grand-offspring (F3 generation) of rats malnourished in utero. *Diabetologia* 2006;49:1117-1119.
83. **Winham DM**, Johnston CS, Rhoda KM*. Maternal weight gain is associated with infant insulin concentrations during the first year of life. *Diabetes Care*. 2006;29:949.
84. **Johnston CS**, Buller AJ*. Vinegar and peanut products as complementary foods to reduce postprandial glycemia. *Journal of the American Dietetic Association*. 2005;105:1939-1942.
85. **Johnston CS**. Uncle Sam's Diet Sensation: MyPyramid -- An Overview and Commentary. *Medscape General Medicine*. 2005;7:78.
86. **Hutchins AM**, McIver IE*, Johnston CS. Soy isoflavone and ascorbic acid supplementation alone or in combination minimally affect plasma lipid peroxides in healthy postmenopausal women. *Journal of the American Dietetic Association*. 2005;105:1134-1137.
87. **Hutchins AM**, McIver IE*, Johnston CS. Hypertensive crisis associated with high dose soy isoflavone supplementation in a post-menopausal woman: a case report *BMC Women's Health* 2005, 5:9
88. **Johnston CS**. Strategies for healthy weight loss: from vitamin C to the glycemic index. *Journal of the American College of Nutrition*. 2005;24:158-165.
89. **Hathcock JN**, Dickinson A, Azzi A, Blumberg J, Frei B, Johnston CS, Packer L, Parthasarathy S, Traber MG. Potential harm of vitamin E supplementation (letter reply). *American Journal of Clinical Nutrition*. 2005;81:1142-1143.
90. **Hathcock JN**, Dickinson A, Azzi A, Blumberg J, Bray T, Frei B, Jialal I, Johnston CS, Kelly FJ, Kraemer Klaus, Packer L, Parthasarathy S, Sies H, Traber MG. Vitamins E and C – safe within broad ranges of intakes. *American Journal of Clinical Nutrition*. 2005;81:736-745..
91. **Johnston CS**, Hale JC*. Oxidation of ascorbic acid in stored orange juice is associated with reduced plasma vitamin C concentrations and elevated lipid peroxides. *Journal of the American Dietetic Association*. 2005;105:106-109.
92. **Hampel JS**, Levinson SL, Garcia LW, Johnston CS. Project GLEAN: Evaluation of a school-based, gleaned-food distribution program. *J Sustain Agr*. 2004;25:5-15.
93. **Hampel JS**, Taylor CA*, Johnston CS. Vitamin C Deficiency and Depletion in the United States: The Third National Health and Nutrition Examination Survey, 1988 to 1994. *American Journal of Public Health*. 2004;94:870-875.
94. **Benyshek DC***, Johnston CS, Martin JF. Post-natal diet determines insulin resistance in fetally malnourished, low birthweight rats (F1) but diet does not modify the insulin resistance of their offspring (F2). *Life Sciences*. 2004;74:3033-3041.
95. **Johnston CS**, Tjonn SL*, Swan PD. High-protein, low-fat diets are effective for weight loss and favorably alter biomarkers in healthy adults. *Journal of Nutrition* 2004; 134:586-91.
96. **Johnston CS**, Kim CM*, Buller AJ*. Vinegar improves insulin sensitivity to a high carbohydrate meal in subjects with insulin resistance or type 2 diabetes mellitus. *Diabetes Care* 2004;27:281-282.
97. **Johnston CS**, Dancho CL*, Strong GM*. Orange juice ingestion and supplemental vitamin C are equally effective at reducing plasma lipid peroxidation in healthy adult women. *Journal of the American College of Nutrition* 2003;22:519-523.
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115. **Johnston CS**. Biomarkers for establishing a UL for vitamin C. *Nutrition Reviews* 1999;57:71-77.
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133. **Johnston CS**, Martin LJ*, Cai X*. Antihistamine effect of supplemental ascorbic acid and neutrophil chemotaxis. *Journal of the American College of Nutrition* 1992; 1: 172-6.
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135. **Haskell BE**, Johnston CS. Complement component C1q activity and ascorbic acid nutriture in guinea pigs. *American Journal of Clinical Nutrition* 1991;54:1228S-30S.
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137. **Johnston CS**, Christopher FS. Anorexic-like behaviors in dietetic majors and other student populations. *Journal of Nutrition Education* 1991;23:148-53.
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139. **Johnston CS**, Huang S*. Effect of ascorbic acid nutriture on blood histamine and neutrophil chemotaxis in the guinea pig. *Journal of Nutrition* 1991;121:126-31.
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141. **Johnston CS**. Effect of single oral doses of ascorbic acid on body temperature in healthy guinea pigs. *Journal of Nutrition* 1989;119:425-7.
142. Johnston CS, Kolb WP, **Haskell BE**. The effect of vitamin C nutriture on complement component C1q concentrations in guinea pig plasma. *Journal of Nutrition* 1987; 117:764-8.
143. Johnston CS, Cartee GD, **Haskell BE**. Effect of ascorbic acid nutriture on protein-bound hydroxyproline in guinea pig plasma. *Journal of Nutrition* 1985;115:1089-93.

Invited Presentations at National/International Conferences

Total number of invited presentations: 40

1. "Vinegar: Insights and Uses" The Vinegar Institute – Annual Meeting, Naples, FL, 2023
2. "Health Benefits of Vinegar" National Mustard Museum's Virtual Mustard Summit, Middleton, WI, January 20, 2022
3. "Vinegar: New Beginnings" Vinegar Institute's 2022 Annual Meeting, Miami, FL, 2022. *Cancelled due to COVID-19 pandemic*
4. "Vitamin C – the forgotten history of scurvy" AZAND webinar (260 in attendance) April 16, 2020.
5. "Unraveling Vinegar's Contribution to Human Health" Vinegar Institute's 2020 Annual Meeting, Miami, FL, March 8, 2020. *Cancelled due to COVID-19 pandemic*
6. "Is the Medicinal Use of Vinegar now 'Common Truth'?" Vinegar Institute's 2018 Annual Meeting, Clearwater Beach, FL, March 6, 2018.
7. "Nutritional Management of Insulin Resistance" Science in Nutrition - 4th International Congress, Milan, Italy, May 5, 2017.
8. "Vinegar and Health" The Vinegar Institute – Annual Meeting, Palm Beach, FL, 2016
9. "Re-engineered Carbohydrates" Zone Seminar, Mexico City, Mexico, May 15, 2015.
10. "Novel Dietary Approaches to Diabetes Care and Prevention: A Focus on Vinegar" Nutrition & Health Conference, Phoenix, AZ, May 6, 2015.

11. "Vinegar and Health" The Vinegar Institute – Annual Meeting, Coconut Grove, FL, 2014
12. "Clinical studies on dietary interventions for diabetes prevention" Biofortis Clinical Research breakfast, Experimental biology Annual Meeting, Boston, MA, April 22, 2013
13. "Antiglycemic effects of vinegar" Iowa State University food Science and Human Nutrition Seminar Series, Ames, IO March 27, 2013
14. "Almonds and the Management of Type 2 Diabetes", The Almond Board of California Orchard Experience, Lodi, CA, August 13, 2012.
15. "Vinegar and Health", The Vinegar Institute Annual Meeting, San Diego, CA, March 18, 2012.
16. "Antiglycemic Properties of Vinegar in Healthy Adults and Adults with Type 2 Diabetes", Canadian Centre for Agri-Food Research in Health and Medicine Annual Conference, Winnipeg Manitoba May 31, 2011.
17. "Vinegar and Diabetes Update", The Vinegar Institute Annual Meeting, Sanibel Harbour, FL, March 15, 2009.
18. "Anti-inflammatory Diets" 2nd International Zone Conference on Anti-Inflammatory Medicine, Cancun, Quintana Roo, Mexico, November 14, 2008.
19. "Organic Foods", Public Health Strategies for the New Millennium, USPHS Scientific and Training Symposium, Tucson AZ, June 10, 2008
20. "Complementary Foods to Stabilize Blood Sugar", A Science/Culinary tour at the Culinary Institute of America at Greystone, The Peanut Institute, Napa Valley CA, May 9-12, 2008
21. "Wellness: The Vitamin C Connection", Science Lecture at the Proctor and Gamble Headquarters, Cincinnati OH, May 2, 2008
22. "Anti-Inflammatory Medicine: Intervention Trials", New Approaches to the Treatment of Chronic Disease, The Inflammation Foundation, Miami FL, February 9, 2008
23. "Peanut Products and Vinegar as Complementary Foods" The Peanut Institute's Science/Culinary Conference, Napa Valley CA, May 4-7, 2007
24. "Vinegar and Glycemia" The Vinegar Institute 2007 Annual Meeting, Marco Island FL, March 10-13, 2007
25. "Peanut consumption and glycemia" The Peanut Nutrition Roundtable: Unlocking the Health Benefits of a Complex Food" The Peanut Institute at the Carter Center, Atlanta GA, September 13-14, 2006
26. "The Efficacy of Diets for Health and Weight Loss: High Protein versus Zone" EnerZona Convention, Milan, Italy May 27, 2006
27. "The efficacy of low-carbohydrate diets for weight loss and health: Atkins versus the Zone" American College of Sports Medicine 25th Annual meeting of the South West Chapter, Las Vegas, NV November 11, 2005
28. "Nutritional aspects of childhood obesity and the metabolic syndrome" American College of Sports Medicine 25th Annual meeting of the South West Chapter, Las Vegas, NV November 12, 2005
29. "Diet Tricks" National Council of University Research Administrators (NCURA) Region 6 Annual Meeting, Chandler, AZ, April 17, 2005
30. "Strategies for healthy, effective weight loss: from vitamin C to the glycemic response" The Grace Goldsmith Award Lecture, Annual Meeting of the American College of Nutrition, Long Beach, CA, October 1, 2004
31. "Low carbohydrate diets" Meet the Expert Session, Annual Meeting of the American College of Nutrition, Long Beach, CA, October 1, 2004
32. "Vitamin C – Is it beneficial? Is it safe? Council for Responsible Nutrition, Annual Conference on Dietary Supplements, Tucson, AZ, September 14-17, 2003
33. "Food pyramids" 28th Annual Career and Technical Education Conference, Association for Career and Technical Education of Arizona, Tucson, AZ July 20-23 2003.
34. Round Table Discussion: Vitamins C and E: Where do we go from here? Oxygen Club of California and the Linus Pauling Institute, Diet and Optimum Health Annual Conference, Portland, OR, May 21-24, 2003.
35. "Toxicities of vitamins C and E" Oxygen Club of California World Congress, Santa Barbara, CA, March 6-9, 2002
36. "The optimal vitamin C dosage." Linus Pauling Institute, Oregon State University, Corvallis, OR, December 6, 2001.

37. "Antioxidant and prooxidant effects of vitamin C." Annual Summer Toxicology Forum, Given Institute, Aspen, CO, July 15, 1999.
38. "Vitamin C and diabetes." Nutrition & Dietetics Professional Seminar, Indian Health Service, Phoenix, AZ, May 12, 1999.
39. "Vitamin C: a bond between the guinea pig, Indian fruit bat and man." Annual Symposium, American Association for Laboratory Animal Science, Tucson, AZ, August 7, 1998.
40. "Biomarkers for establishing a UL for vitamin C." Workshop on Dietary Antioxidants, National Academy of Sciences, Washington DC, July 28, 1998.

Recent Abstracts Presented at National Meetings (past 5 years only –only first author abstracts listed)

1. Johnston CS, Meyer A, Barrong H, Coven H, Fessler S. Daily Vinegar Ingestion for Four Weeks Favorably Influenced Adiposity in Healthy Adults. Obesity Week 2023 Conference, Dallas, October 2023
2. Johnston CS, Pang M. Daily Ingestion of Protein Bars is Linked to Fat Mass Gain After One Week in Healthy Young Adults. Obesity Week 2022 Conference, San Diego November 2022 (virtual)
3. Johnston CS, Lundy C, Fessler S. Relationships between Erythrocyte Osmotic Fragility and Vitamin C Nutriture in Adults with or without Type 2 Diabetes. Nutrition2022 (American Society of Nutrition) June 2022 (virtual)
4. Johnston CS, Curtin A. Vitamin B6 supplementation reduces depression in college women taking oral contraceptives: a randomized, double-blind cross-over trial. Nutrition2020 May 2020, Seattle (conference cancelled due to COVID-19)
5. Johnston CS, Foley S. Time-Restricted Feeding Improved Mood and Reduced BMI in College Students: a 4-Week Pilot Trial. Obesity Week 2019 Conference, Las Vegas.
6. Johnston CS, Waznik L, Shnowske S. Gluten-free products with non-traditional ingredients favorably impact postprandial glycemia in healthy adults. Nutrition2019 June 2019, Baltimore.
7. Johnston CS, Mayra S, Ugarte N. Diet quality attributes more closely linked to adiposity risk markers than plant-based diet categorization. Obesity Week 2018 Conference, Nashville.
8. Johnston CS, Baker O, Feise N. A comparison of liquid vinegar and commercial vinegar pills for managing insulin resistance and postprandial glucose concentrations. FASEB J April 2018 32:925.10

Chair, Completed Doctoral Dissertation [Doctoral program for nutrition students at Arizona State University was initiated in **2005**] (student and dissertation topic; asterisk indicates resulting refereed publication(s); first post-graduate employment listed in brackets):

Total number of completed doctoral students: 14

1. *Paniz Jasbi (2022) [co-chair: Haiwei Gu] Mass Spectrometry-based Metabolomics: Considerations for Laboratory Testing [CEO and co-founder of metabolomics start-up: Theriome]
2. *Eric Bartholomae (2022) Nitrogen Balance and Protein Intake at the RDA in Underactive Male Vegans
3. *Selicia Mayra (2020) Meal-time Matters: An 8-week Randomized Control Trial to Examine the Effects of a Daily 18-hour Fast on Diet Quality in College Students. [Assistant Professor, Department of Nutrition and Health Science, Ball State University, IN]
4. *Cameron Scholtz (2019) The flavor station: a pilot salad bar trial to increase fruit and vegetable consumption in elementary school children. [Systems Analyst-Digital Transformation, Arizona State University]
5. *Heidi Lynch (2017) [co-chair: C. Wharton] Muscle Growth and Strength Development Following a 12-Week Resistance Training Program: a Comparison Between Consuming Soy and Whey Protein Supplements Matched for Leucine Content [Assistant Professor, Kinesiology Department, Point Loma Nazarene University, San Diego, CA]
6. *Claudia Thompson-Felty (2017) Adoption and Use of Social Media Among Registered Dietitians Nationwide: Implications for Health Communication [CEO and Cofounder, Connections Continuing Education for Dietitians]
7. Kate Zemek (2017) The use of technology compared to the traditional educational method to improve hydration status of club-level collegiate athletes with a focus on cognitive [Product Development Manager, SmartyPants Vitamins, Marina Del Rey, CA]

8. *Taylor Arnold (2016) Assessing the Impact of Oral Vitamin B12 Supplementation on Vibration Sensitivity, Dexterity, and Balance in Young Adult Vegetarians and Vegans [Assistant Professor at the Southwest College of Naturopathic Medicine, Tempe, AZ]
9. *Jessica Knurick (2015) Effects of Postmeal Walking on Postprandial Glucose Control and Oxidative Stress [Assistant Professor, University of Nevada, Las Vegas, NE]
10. Elizabeth Sussman (2013) Selenium Supplementation and Cardiovascular Outcome Markers in Hemodialysis Patients: A Randomized Controlled Trial [Assistant Professor, California State University, Northridge, CA]
11. *Catherine Trier (2012) Protein Ingestion as a Dietary Strategy for Managing Caloric Intake in Healthy Adults [Medical Sales Representative at Mead Johnson Nutrition, Phoenix, AZ]
12. Christy Appel (2010) Effect of vinegar, pickle juice and supplemental potassium on Urine pH glycemia and substrate oxidation in healthy adults [Assistant Clinical Professor, Arizona State University, Phoenix, AZ]
13. *Bonnie Beezhold (2008) Does low intake of long-chain omega-3 fats among vegetarians affect their mood state? [Assistant Professor, Benedictine University, Lisle, IL]
14. *Andrea White (2007) The efficacy of vinegar as adjunct therapy in glucose management in adults with type 2 diabetes [Assistant Professor, Rocky Mountain University, Provo, UT]

Chair, Completed Master's Theses (student and thesis topic; asterisk indicates resulting refereed publication):

Total number of completed MS students: 125

1. Alexandra Lish (2023) Vinegar Intake on Metabolic Syndrome Risk in a Randomized Control Trial
2. Camila Nadalet (2023) Influences of Vegan Status on Protein Intake, Strength, and Bone Mineral Density
3. Allyson Deimeke (2023) The Cognitive Effects of Maqui Berry Extract and Fish Oil in Adults with Type 2 Diabetes
4. *Ciara Lundy (2022) Relationships between Erythrocyte Osmotic Fragility and Vitamin C Nutriture in Adults with or without Type 2 Diabetes
5. *Minghan Pang (2022) Will the daily ingestion of high protein nutrition bars (with or without added fiber) for one week impact 24-h energy intake and satiety in healthy young adults?
6. Keelin Riepe (2021) Optimization and Validation of an HPLC Method for Detecting Plasma Vitamin C
7. *Anateresa De Leon (2021) The Effects of Intermittent Fasting on Quality of Life and Happiness: A Randomized Control Trial
8. *Kelly Chondropoulos (2021) An Investigation into the Effect of Time Restricted Feeding on Mood State in College Students A Randomized 8 Week Trial
9. *Savanna Phares (2020) Foods Skills and Resilience: An Exploration of Self-Sufficiency During the Coronavirus Pandemic
10. *Natalie Kravat (2020) Effect of Intermittent Fasting on Cognitive Acuity in University Students
11. *Aaron Rafferty (2020) Effects of a Novel AI Mobile App on Symptom Severity in Subjects with Irritable Bowel Syndrome: A Randomized Controlled Trial
12. *Annie Curtin (2019) The Effects of Vitamin B6 Supplementation on Mood States in College Women Taking Oral Contraceptives
13. Kassie Shaw (2019) The Effects of Antiseptic Mouthwash Use and Sodium Intake on Systemic Blood Pressure Regulation and Salivary Nitrate Levels: A Randomized Controlled Crossover Trial
14. Makenna Baum (2019) Nutrition course and culinary demonstrations to increase perceived importance of nutrition in medical students
15. Rachel Manley (2019) Comparing glutathione in the plasma of vegetarian and omnivore populations.
16. Brooke Clifford (2019) The effect of a basic food safety intervention on food safety knowledge in US young adults: an intervention trial.
17. *Noel Ugarte (2019) Assessing the relationship between cobalamin deficiency and methylation capacity in a vegetarian population.
18. Lauren Waznik (2018) Glycemic Response to Gluten-Free Bread in Healthy Adults
19. *Lisa Gonzalez (2018) Reduction of Visceral Fat in Response to Consumption of Red Wine Vinegar
20. *Summer Anderson (2018) The effects of dietary vinegar on salivary pH and dental erosion.
21. *Paniz Jasbi (2018) Fat as a basic taste: CD36 and its role in fat taste
22. Roni Romash (2018) Matcha tea and its acute effects on postprandial blood glucose.

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23. *Corinne Zuelke (2017) Protein quality, muscle mass, and strength in vegetarian athletes.
 24. Kelsi Wildermuth (2017) Water proximity and its effect on consumption: In a corporate setting.
 25. *Olivia Baker (2017) Visceral fat reduction in response to red wine vinegar consumption.
 26. Kelly Bell (2017) Evaluation of Arizona State University's Camp CRAVE: Does a week-long cooking camp alter eating behavior, improve nutrition knowledge, and/or promote cooking in young children?
 27. Lee Renda (2017) Retrospective case study of one person with cancer who followed the ketogenic diet with standard treatment
 28. Lisa Norman (2017) Effects of Coconut Oil Supplementation on Biomarkers of Inflammation and Lipid Peroxidation
 29. Rachel Shedden (2016) Effect of a Coconut Oil Supplement (2g/d) on Total Cholesterol to HDL Cholesterol Ratio In Healthy Adults
 30. Namrata Oza (2016) Effect of Curcuma Longa (Turmeric) on postprandial glycemia in healthy, non-diabetic adults.
 31. *Elizabeth McElaney (2016) Almond Consumption During a Walking Intervention in Relation to Heart Rate Recovery
 32. Amber Bonsall (2016) Developing the optimal vinaigrette dressing for managing blood glucose concentrations.
 33. *Vanessa Garcia-Turner (2016) Validating a Laser for Measuring Supine and Standing Heights against Current Measures in Adults.
 34. Zoe Yeh (2015) Is Apple Cider Vinegar Effective for Reducing Heartburn Symptoms Related to Gastroesophageal Reflux disease?
 35. *Cameron Scholtz (2015) A novel 'Food Lists' app to promote weight loss, improve diet quality, and strengthen diet adherence: the Foodmindr Study.
 36. *Brendan Miller (2015) The Effect of Vitamin D Supplementation on Plasma A β in an Older Population: A Randomized Control Trial
 37. Andrew James (2015) Will the Daily Consumption of Commercially Available High-Protein Pasta and Cereal, in Comparison to Traditional Gluten-Free Pasta and Cereal, Favorably Impact Weight Loss and Satiety in Adults Adhering to Calorie Restricted Diets?
 38. *Kelly Cosgrove (2015) The Impact of Adherence to a Vegan Diet on Acid-Base Balance: A Randomized Controlled Trial in Healthy College Students
 39. *Michelle Ipjian (2015) The Popular Calorie Counter App, MyFitnessPal, Used to Improve Dietary Sodium Intake: A Four-Week Randomized Parallel Trial
 40. Jason Pawloski (2015) Hypotensive effects of potassium and magnesium
 41. Nia Jarrett (2015) Iron depletion therapy and chromium supplementation for improving insulin sensitivity
 42. Kathryn Bratrud Earhart (2015) Vitamin C and the Common Cold in the Asthmatic Population
 43. Lindsay Gnant (2014) The Effect of Vitamin C Supplementation on sICAM-1 in Asthmatic Study Participants
 44. *Darren Snyder (2014) Exploring the Benefits of a Gluten Free Diet
 45. *Courtney Bliss (2014) Diet Quality of Omnivores, Vegans and Vegetarians as Measured by the Healthy Eating Index 2010 and the Rapid Eating and Activity Assessment for Participants Short Version
 46. Dana Herring (2014) Fish Oil Supplementation and Cardiovascular Disease Risk in Individuals of Blood Type A and Blood Type O
 47. Lindsay Obermeyer (2014) Vitamin C is Not Related to Resting Fat Oxidation in Healthy, Non-Obese Adults
 48. *Claudia Thompson-Felty (2014) iPhone Applications and Improvement in Weight and Health Parameters: A Randomized Controlled Trial.
 49. Amanda Steinke (2013) Use of a Non-Invasive Acoustical Monitoring System to Predict Ad Libitum Eating
 50. Shannon Despino (2013) [applied project] Associations between Picky Eating Behaviors in Children And Mothers with Disordered Eating
 51. *Taylor Goett (2013) Eating in the Absence of Hunger in College Students
 52. Emily Medved (2012) Effects of Vinegar on Colonic Fermentation and Glycemia
 53. Amy Moore (2012) Can A Vegetarian Diet Affect Resting Metabolic Rate or Satiety: A Pilot Study Utilizing a Metabolic Cart and the SenseWear Armband

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54. Rachael Veatch (2012) Validation of the *Rapid Eating and Activity Assessment Shortened Version* for diet quality measurement in young adults.
 55. Megan Gutierrez (2012) Fish oil supplements and symptoms of the common cold in healthy young women
 56. Diana Kinsfather (2012) Food purchasing behavior: Choice, Change, Challenge
 57. Jennifer Brown (2012) Effect of a vegetarian-like diet on blood coagulation and other health parameters in blood types A and O: An evaluation of the "Blood Type Diet"
 58. Lauren Fladell (2012) An updated food guide for vegetarians adapted to MyPlate: an evidence based approach
 59. *Katie Fleming (2012) The Effects of Meal Preloads on Glycemia, Insulinemia and Satiety
 60. *Serena Loeb (2012) Colonic fermentation as a byproduct of vinegar consumption: a parallel arm randomized control trial in adults at risk for type 2 diabetes
 61. Bianca Teran (2012) Omega-3 supplementation and body weight in healthy young women.
 62. *Samantha Quagliano (2012) Vinegars effects on hemoglobin A1c and postprandial glycemia in individuals at risk for diabetes
 63. *Brooke Schohl (2012) Subject-coded versus investigator-coded diet analysis: A comparison of methods
 64. David Kevin Cowan (2011) Evaluation of nutritional quality through a counselor administered weight loss program utilizing a smart phone app
 65. *Gilleen Osterday (2011) Vitamin C and Treating the Common Cold
 66. *Sara Schumacher (2011) Plasma Vitamin C Supplementation and Physical Activity in Young Men
 67. Marshall Jahns (2011) Almond consumption and dietary compensation in overweight and obese adults
 68. Lindsey Wood (2011) Almond consumption and body composition in overweight and obese adults.
 69. *Heidi Netland (2010) Vitamin C supplementation and physical activity levels in young college men
 70. Christine Wheeler (2010) Carbohydrate drink improves anxiety in women
 71. *Amanda Schlueter (2010) Diet Quality Index: Relationships to plasma vitamin C and mood states in healthy young adult college-age males
 72. *Ashley Cohen (2010) Effects of chronic almond consumption on hemoglobin A1c in individuals with type 2 diabetes
 73. *Bo Mostow (2009) Plasma vitamin C is inversely related to body mass index and waist circumference but not to plasma adiponectin in non-smoking adults
 74. *Megan Williams (2009) An evaluation of the protein adequacy of typical vegetarian diets
 75. *Dianna Daigle (2009) Polyunsaturated fatty acid intake in vegetarians vs. omnivores
 76. *Romina Ryals (2009) Vinegar ingestion has immediate, but not extended effect on postprandial glucose in subjects with insulin resistance
 77. Melissa Paton (2008) The effects of peanuts and tree nuts on postprandial glycemia, insulinemia, and satiety
 78. Quinlan Hatch (2008) The relationship between macronutrient intake and respiratory exchange ratio during submaximal exercise
 79. *Lafe Harris (2008) Effects of small concentrations of vinegar on postprandial glycemia, satiety, and taste perception
 80. *Shannon Kent (2007) Effect of chronic vinegar or pickle ingestion on energy and macronutrient intake in people with type 2 diabetes
 81. Jennifer Stern (2007) Plasma vitamin C and exercise-induced oxidative stress; a cross-sectional investigation in young adults
 82. Christina Appel (2007) Effect of vitamin C on fat oxidation and plasma carnitine in obese adults
 83. *Cindy Gaas (2006) The effects of sodium acetate on insulin sensitivity and satiety in type 2 diabetics
 84. Robert Martin (2006) Potassium supplementation does not alter urinary pH and calcium excretion as predicted with diet-induced acidosis
 85. *Iwona Steplewska (2005) Calcium acetate has minimal effect on insulin sensitivity in glucose tolerant adults.
 86. Abigail Schock (2005) Vitamin C as adjunct therapy for type 2 diabetic subjects.
 87. *Cindy Kim (2003) Apple cider vinegar as adjunct diet therapy for type 2 diabetic subjects.

88. Christina Menor (2003) Apple cider vinegar lowers the thermic effect of a high-carbohydrate meal in healthy subjects.
89. Lisa Sauby (2003) Effect of ascorbic acid on lipid peroxidation after an oral carbohydrate load in healthy individuals.
90. *Candice Dancho (2002) Dietary vitamin C versus supplemental vitamin C: effect on lipid peroxidation.
91. *Amanda Buller (2002) The modification of 'typical American meals' to improve glucose, insulin, and satiety responses.
92. *Sherrie Tjonn (2002) Effects of hyperglycemia on ascorbic acid recycling in human erythrocytes
93. *Carol Day (2001) Diet-induced thermogenesis is 100% higher on a high protein diet versus high-carbohydrate diet.
94. *Colleen Venti (2001) Development of a food guide that addresses the dietary inadequacies common to vegetarian diets.
95. Jeanne Cahill (2001) Nutritional adequacy of diet plans promoted in women's magazines.
96. *Sarah Cox (2001) Plasma-saturating intakes of vitamin C confer maximal antioxidant protection to plasma
97. *Gail Strong (2001) Influence of orange juice versus vitamin C supplement ingestion on serum vitamin C concentration.
98. Stacey Parker (2000) Acute effects of three experimental diets on glomerular filtration rates.
99. Johanna Donnenfield (1998) Vitamin C supplementation and immunoresponsiveness during stress in guinea pigs.
100. Curt Young (1998) Ascorbic acid supplementation and hematological indices in individuals with low G6PD activity.
101. Robert Collison (1997) Scurvy-associated physiological defects at non-scorbutic plasma ascorbate levels.
102. Carol Deodati (1996) Hypovitaminosis C and oxidant defense in adult men and women
103. Tammi Elliott (1996) Heat denaturation of bovine serum albumin.
104. *Susan Spear (1996) Infant formula ingestion is associated with the development of diabetes in the BB rat.
105. *Lori Thompson (1996) Vitamin C status in an outpatient population.
106. Julia Thomas (1996) Plasma cobalamin and holo-transcobalamin in Alzheimer's patients, elderly and young controls.
107. Karen Wright (1996) Bovine serum albumin and hydrolyzed infant formula trigger insulin-dependent diabetes in BB rats. R.
108. *Elizabeth Solomon (1995) Histamine as a functional marker for vitamin C status during repletion.
109. Pamel Gorowara (1994) Infant formula ingestion is associated with the development of diabetes in the BB rat.
110. *Becky Bolton (1994) L-ascorbyl 6-palmitate has equal antiscorbutic activity as L-ascorbic acid for guinea pigs.
111. *Bing Luo (1993) The relative bioavailability of synthetic ascorbic acid from commercially available sources in humans. *MeiFang Yen (1993) Effect of vitamin C supplementation on glucose tolerance.
112. Mary Chard (1993) Ascorbyl palmitate and ascorbic acid have similar bioavailability.
113. *Claudia Meyer (1993) Vitamin C supplementation elevates erythrocyte glutathione.
114. Theodore J. Maheras (1993) Supplemental vitamin C, carnitine and endurance performance.
115. Janet Carpenter (1993) The effects of low lactose milk diets on bone mineralization.
116. Michelle Berman (1993) Effect of vitamin C supplementation on red blood cell glutathione.
117. *J.C. Srilakshmi (1992) The effect of vitamin C supplementation on blood pressure.
118. *Kristina Retrum (1991) Vitamin C supplementation and gastric acid output.
119. Linda Martin (1990) Effect of chronic vitamin C supplementation on neutrophil chemotaxis.
120. Xi Cai (1990) Effect of a single dose of vitamin C on neutrophil chemotaxis.
121. *Lisa Kandell. (1990) Pregnancy and weight gain in adolescents and young adults.
122. *Tim Strand. (1990) Urinary galactose as an indicator of low lactose milk consumption.
123. *Shining Huang. (1989) The effect of vitamin C nutriture on blood histamine levels.
124. Yvonne Tenney. (1989) The effect of single oral doses of ascorbic acid on oral temperature.
125. Donna Sutor. (1987) Effect of an acute dose of ascorbic acid on non-specific immunity.

Classes Taught at University Level

Undergraduate Level: Human Nutrition; Advanced Human Nutrition I: Micronutrient Metabolism

Graduate Level: Research Methods in Nutrition; Nutrition and the Lifespan; Vegetarian Nutrition; Nutrition and Immunology; Doctoral Professional Seminar

Medical School Lectures (University of Arizona College of Medicine): Vitamin C: Nutrition and Metabolism; B Vitamins: Nutrition and Metabolism, Micronutrients and Immunity

Medical School Selective (Mayo Medical School): Food as Medicine

Editorial Activities:

Editorial Board Member: Nutrients, 2020-present

Editorial Board Member: Journal of Nutrition and Metabolism, 2009-present

Editorial Board Member: Medscape's Clinical Nutrition and Obesity section, 2005

Ad hoc Reviewer (3-4 articles monthly). Journals include: Journal of Nutrition, Journal of the American College of Nutrition, Journal of the American Dietetic Association, Obesity Research, Journal of Pediatric Gastroenterology and Nutrition, Society for Experimental Biology and Medicine, Pediatrics, American Journal of Clinical Nutrition, Journal of Nutritional Biochemistry, Life Sciences; Journal of Food Sciences; Biochimica et Biophysica Acta, Metabolism, European Journal of Clinical Nutrition, Nutrition & Metabolism, Nutrition Journal, Nutrients, Journal of Functional Foods, etc.

Professional Memberships

American Heart Association (2023-present)

Obesity Society (2022-present)

American Society for Nutrition (1987-present)

American Association for the Advancement of Science (1987-present)

American College of Nutrition (1988-2011)

New York Academy of Sciences (1988-2010)

Professional Activities at the National Level

Grant reviewer for the 2025 Military Operational Medicine Research Program of the U.S. Army Medical Research & Development Command, 2023-24

Grant reviewer for American Heart Association (Food Is Medicine), 2023

Grant reviewer for the 2024 Military Operational Medicine Research Program of the U.S. Army Medical Research & Development Command, 2023

Member, International Protein Board, 2018-present

Member, Advisory Board, Zone Labs (zonediet.com), 2012-present

Member, Extended-Release Dietary Supplements Expert Panel of the US Pharmacopeia Council of Experts, 2010-2017

Member, Advisory Committee, Vitamins and Minerals Research Interest Group, American Society for Nutrition, 2011-2015

President, Vitamins and Minerals Research Interest Group, American Society for Nutrition, 2010-2011

President-Elect, Vitamins and Minerals Research Interest Group, American Society for Nutrition, 2009

Member, Board of Directors, American College of Nutrition, 2004-2010

Member, Dietary Supplements – Non-Botanicals Expert Committee of the US Pharmacopeia Council of Experts, 2000-2010

Expert Reviewer, Sunkist Nutritional Platform, 2003

Ad hoc Reviewer, NDI Improving Nutrition for Optimal Health, USDA (2003, 2004, 2005); On Site Reviewer (2002)

Scientific Advisor, White Paper on 'The Established Safety of Supplements of Vitamins E and C: the Scientific Evidence,' Council for Responsible Nutrition, Washington DC, 2002

Secretary, Certification Board for Nutrition Specialists, 2003-2004

Member, Certification Board for Nutrition Specialists, 1991-2003

Member, Public Relations Committee, American College of Nutrition. 1995-1996

Session Mediator, American College of Nutrition Annual Meeting, 1996, 2001, 2003, 2006

Departmental and College Services (abridged)

Member, CHS Lab and Clinic Safety Committee, 2022-present

Member, ENS Progressive Exam Task Force subcommittee, 2021-present
Member, Nutrition MS Admission Committee, College of Health Solutions, 2010-present
Member, Executive Committee, College of Health Solutions, Arizona State University, 2012- 2017.
Ex Officio Member, PANW Executive Committee, School of Nutrition and Health Promotion, 2012-2017.
Chair, College [CONHI] Personnel Committee, Arizona State University, 2010-2012
Member, College [CONHI] Personnel Committee, Arizona State University, 2009-2010
Chair/Director, Nutrition Program, Arizona State University Polytechnic Campus, 2006-2010
Member, College [SAAS] Personnel Committee, Arizona State University, 2002-2005
Member, Departmental Graduate Committee, 1986-1990, 1993-1995, 1997-2006
Member, Departmental Personnel Committee, 1986-1994, 2000-2006
Member, Departmental Undergraduate Committee, 1995-1996
Chair, Departmental Graduate Committee, 1995-1997
Area Coordinator, Nutrition, 1995-1997, 1998-1999
Member, Departmental Executive Committee, 1996-1997

University Services (abridged)

Chair, University Institutional Review Board, Bioscience, 2007-present
Member, University Laboratory Safety Committee, 2016-present
Member, University Radiation Safety Committee, 2007-present
Member, University Animal Care and Use Committee, 1993-1994; 1999-present
Member, University Asst Vice President, Enterprise Environmental Health&Safety Search Committee, 2023.
Member, Interprofessional Education Committee, UA College of Med in partnership with ASU, 2008-2011
Member, University Institutional Review Board, 2002-2007
Academic Senate Personnel Committee, 2005-2006
Academic Senator, 2005-2006
Chair, University Personnel Committee, 2005-2006
Member, Promotion and Tenure Task Force, Arizona State University, 2005
Member, University Personnel Committee, 2002-2004
Chair, Research Safety Oversight Committee, 1997-1999
Chair, University Animal Care and Use Committee, 1994-1999
Chair, University Veterinarian Search Committee, 1997
Member, University Veterinarian Task Group, 1997
Member, Research Safety Oversight Committee, 1994-1997
Member, University Veterinarian Search Committee, 1998
Member, Advisory Committee, Undergraduate Biological Sciences Education Program of the Howard Hughes Medical Institute, 1994-2000
Member, Advisory Committee, Minorities Access to Research Careers, 1997-1998

Awards/Honors

2023 Nominated Distinguished Faculty Award, College of Health Solutions, Arizona State University
2022-2023 Recognized in the top 2% of the world's most cited scientists; Mendeley Data, 2022-2023
2020 Nominated Faculty Mentoring Award, College of Health Solutions, Arizona State University
2019 Experimental Biology and Medicine Outstanding Reviewer Award, Society for Experimental Biology and Medicine, Washington DC
2018 Laboratory Safety Award, Innovations towards an Advanced Culture of Safety at Arizona State University
2017 Nominated Distinguished Faculty Award, College of Health Solutions, Arizona State University
2010 Best Poster Award, American College of Nutrition Annual Meeting, New York City
2008 Mark Bieber Professional Award sponsored by Unilever Bestfoods and the American College of Nutrition for academic accomplishments
2004 and 2011 Nominated Arizona State University Professor of the Year
2004 Grace Goldsmith Award for significant achievements in the field of nutrition by a scientist under the age of 50 years, American College of Nutrition
2000 Outstanding Teaching Award, College of Liberal Arts and Sciences Alumni Association, Arizona State University
1992, 1997, 2000 Student Affairs Faculty Recognition Award, Arizona State University