

Andrew W Brown, Ph.D.

Associate Professor, Department of Biostatistics
University of Arkansas for Medical Sciences
Director of Biostatistics
Arkansas Children's Research Institute
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EDUCATION

- Postdoc** **University of Alabama at Birmingham** **May 31, 2014**
Office of Energetics and Nutrition Obesity Research Center
Mentor: David B. Allison, Ph.D.
- Ph.D.** **University of Nebraska-Lincoln – Lincoln, NE** **May 6, 2011**
Dissertation Title: Mechanisms of decreased cholesterol absorption mediated by phytosterols in the intestinal lumen.
Major: Nutrition; **Minor:** Statistics
Interdepartmental Nutrition Program
Mentor: Timothy P. Carr, Ph.D.
- M.S.** **Iowa State University – Ames, IA** **August 9, 2008**
Thesis Title: Selected measures of health in women fed conjugated linoleic acid-enriched products from organic, pasture-fed cattle.
Major: Biochemistry; **Minor:** Statistics
Department: Biochemistry, Biophysics, and Molecular Biology
Mentor: Donald C. Beitz, Ph.D.
- B.S.** **Iowa State University – Ames, IA** **May 5, 2007**
Major: Biochemistry
Department: Biochemistry, Biophysics, and Molecular Biology

Other Notable Training

- UAMS – Center for the Improvement of Mentored Experiences in Research (CIMER) “Entering Mentoring” 2024 Jan
- PPD – Site Transformation and Applied Research Training 2019 Aug
- Dannon Institute – Early Career Nutrition Leadership Institute 2015 Jun
- Statistical Horizons – Meta-Analysis: Concepts and Applications 2013 Jul
- Johns Hopkins Graduate Summer Institute of Epidemiology and Biostatistics 2012 Jun
- UAB Office of Postdoctoral Education – Grant Writing Course 2012 Spring
- UAB Office of Postdoctoral Education – Lab Management Course 2011 Fall
- UNL – Preparing Future Faculty 2010
- NIH Office of Dietary Supplements – Dietary Supplements Research Practicum 2009 Jun

WORK EXPERIENCE

Positions Held

Position	Group	Year(s)
Associate Professor	Biostatistics – College of Medicine, University of Arkansas for Medical Sciences	Jul 2022 –
Director of Biostatistics	Arkansas Children’s Research Institute	Jul 2022 –
Biostatistics Core Director	Center for Childhood Obesity Prevention – Arkansas Children’s Research Institute	Jul 2022 –
Secondary Appointment	College of Public Health, University of Arkansas for Medical Sciences	Jul 2022 –
Secondary Appointment	Department of Pediatrics – College of Medicine, University of Arkansas for Medical Sciences	Dec 2022 –
Visiting Assistant Professor	Applied Health Science – Indiana University School of Public Health-Bloomington	Jul 2022 –
Assistant Professor	Applied Health Science – Indiana University School of Public Health-Bloomington	Oct 2017 – Jun 2022
Core Co-Leader	Comparative Data Analytics Core – Nathan Shock Center of Excellence in the Basic Biology of Aging	Jul 2018 – Jun 2022
Scientist II	Office of Energetics and Nutrition Obesity Research Center – University of Alabama at Birmingham	Sep 2016 – Sep 2017
Scientist	Office of Energetics and Nutrition Obesity Research Center – University of Alabama at Birmingham	Jun 2014 – Aug 2016
Postdoctoral Trainee	Nutrition Obesity Research Center – University of Alabama at Birmingham	Jun 2011 – May 2014
Graduate Research Assistant	Interdepartmental Nutrition Program – University of Nebraska-Lincoln	Jan 2008 – May 2011
Graduate Teaching Assistant	Department of Statistics – University of Nebraska-Lincoln	Aug 2010 – Dec 2010
Graduate Research Assistant	Nutritional Physiology Group – Iowa State University	Jul 2005 – Dec 2007
Graduate Teaching Assistant	Department of Biochemistry, Biophysics, and Molecular Biology – Iowa State University	Jul 2005 – Dec 2007
Undergraduate Research Assistant	Nutritional Physiology Group – Iowa State University	Sep 2003 – Jul 2005

Consulting

Entity	Year(s)
Soy Nutrition Institute Global	Mar 2022 – Sep 2024

National Cattlemen’s Beef Association	Oct 2022
Pennington Biomedical Research Center	Oct 2019 – Jan 2020
LA NORC	Oct 2019 – Oct 2019
Epigeum (Oxford University Press)	Jul 2018 – Feb 2018
Communiqué (United Soybean Board)	Jun 2016 – Dec 2016
CE Outcomes	Mar 2013 – Apr 2013
Farmland Foods	Feb 2011 – Mar 2011

RESEARCH

Publications

Peer Reviewed Articles

- 1. Perceptions and Preferences for Environmentally Sustainable Food and Associated Factors: A Cross-Sectional Analysis of a Nationally Representative Survey of United States Consumers.**
Wijayatunga NN, Chang Y, *Brown AW*, Webster A, Sollid K, Ahn JJ, Bailey D. *Am J Clin Nutr.* 2024 Jul 30;S0002-9165(24)00650-6. doi: 10.1016/j.ajcnut.2024.07.026.
- 2. Benefits of calorie restriction in mice are mediated via energy imbalance, not absolute energy or protein intake.**
Smith DL Jr, Mitchell SE, Johnson MS, Gibbs VK, Dickinson S, Henschel B, Li R, Kaiser KA, Chusyd DE, *Brown AW*, Allison DB, Speakman JR, Nagy TR. *Geroscience.* 2024 Oct;46(5):4809-4826. doi: 10.1007/s11357-024-01166-4. Epub 2024 Jun 8. PMC11336014
- 3. Are Gait Patterns during In-Lab Running Representative of Gait Patterns during Real-World Training? An Experimental Study.**
Davis JJ 4th, Meardon SA, *Brown AW*, Raglin JS, Harezlak J, Gruber AH. *Sensors (Basel).* 2024 May 1;24(9):2892. doi: 10.3390/s24092892. PMC11086149
- 4. Racial and skin color mediated disparities in pulse oximetry in infants and young children.**
Sharma M, *Brown AW*, Powell NM, Rajaram N, Tong L, Mourani PM, Schootman M. *Paediatr Respir Rev.* 2024 Jan 5;S1526-0542(24)00001-0. Epub ahead of print. PMC11139570
- 5. Publication of Results of Registered Trials With Published Study Protocols, 2011-2022.**
Vorland CJ, *Brown AW*, Kilicoglu H, Ying X, Mayo-Wilson E. *JAMA Netw Open.* 2024 Jan 2;7(1):e2350688. doi: 10.1001/jamanetworkopen.2023.50688. PMC10774993
- 6. Systematic Review and Meta-Analysis to Estimate a Reference Range for Circulating Ionized Magnesium Concentrations in Adult Populations.**
Ansu Baidoo VY, Cara KC, Dickinson SL, *Brown AW*, Wallace TC, Chung M, Gletsu-Miller N. *J Nutr.* 2023 Dec;153(12):3458-3471. doi: 10.1016/j.tjnut.2023.10.006. Epub 2023 Oct 14.
- 7. Unreliable Findings Due to Miscalculations and Errors. Comment on Nally et al. The Effectiveness of School-Based Interventions on Obesity-Related Behaviours in Primary**

School Children: A Systematic Review and Meta-Analysis of Randomised Controlled Trials. *Children* 2021, 8, 489.

Ginell K, Henschel B, Golzarri-Arroyo L, Jamshidi-Naeini Y, **Brown AW**, Allison DB. *Children (Basel)*. 2023 Oct 7;10(10):1660. doi: 10.3390/children10101660. PMC10605774

8. **Commentary: Effect evaluation of Sahtak bi Sahnak, a Lebanese secondary school-based nutrition intervention: a cluster randomised trial.**
Siddique AB, **Brown AW**, Golzarri-Arroyo L, Allison DB. *Front Nutr*. 2023 Sep 27;10:1241165. doi: 10.3389/fnut.2023.1241165. PMC10565801
9. **Perspective: A Research Roadmap about Ultra-Processed Foods and Human Health for the United States Food System: Proceedings from an Interdisciplinary, Multi-Stakeholder Workshop.**
O'Connor LE, Higgins KA, Smiljanec K, Bergia R, **Brown AW**, Baer D, Davis C, Ferruzzi MG, Miller K, Rowe S, Rueda J, Andres A, Cash SB, Coupland J, Crimmins M, Fiecke C, Forde CG, Fukagawa NK, Hall KD, Hamaker B, Herrick KA, Hess JM, Heuven LAJ, Juul F, Malcomson FC, Martinez-Steele E, Mattes RD, Messina M, Mitchell A, Zhang FF. *Adv Nutr*. 2023 Nov;14(6):1255-1269. doi: 10.1016/j.advnut.2023.09.005. Epub 2023 Sep 16. PMC10721509
10. **Design, Analysis, and Interpretation of Treatment Response Heterogeneity in Personalized Nutrition and Obesity Treatment Research.**
Zoh RS, Hannon BA, Yu X, Fairchild AJ, Vazquez AI, Chapple AG, **Brown AW**, George B, Gordon D, Landsittel D, Gadbury GL, Pavela G, de los Campos G, Mestre LM, Allison DB. *Obes Rev*. 2023 Dec;24(12):e13635. doi: 10.1111/obr.13635. Epub 2023 Sep 4. PMC10825777
11. **One Cluster per Condition Is Not a Valid Design in Cluster-Randomized Trials. Comment on Wang et al. The Effect of Different Physical Exercise Programs on Physical Fitness among Preschool Children: A Cluster-Randomized Controlled Trial. *Int. J. Environ. Res. Public Health* 2023, 20, 4254.**
Jamshidi-Naeini Y, Pena A, Siddique AB, **Brown AW**, Allison DB. *Int. J. Environ. Res. Public Health*. 2023, 20, 4254. doi: 10.3390/ijerph20176673. PMC10488029
12. **The effect of a pharmaceutical ghrelin agonist on lifespan in C57BL/6J male mice: A controlled experiment.**
Kaiser KA, Kadish I, van Groen T, Smith DL Jr, Dickinson S, Henschel B, Parker ES, **Brown AW**, Allison DB. *Aging Cell*. 2023 Apr;22(4):e13787. doi: 10.1111/accel.13787. PMC10086516
13. **Bias in nutrition-health associations is not eliminated by excluding extreme reporters in empirical or simulation studies.**
Yamamoto N, Ejima K, Zoh RS, **Brown AW**. *Elife*. 2023 Apr 5;12. doi: 10.7554/eLife.83616. PMC10076015
14. **Determination of sex differences requires formal test for differences: Comment on “lipoprotein-subclass particle numbers in children with abdominal obesity”.**
Vorland CJ, Golzarri Arroyo L, Maney D, **Brown AW**. *Pediatr Int*. 2023 Jan;65(1):e15489. doi: 10.1111/ped.15489. PMC10033381
15. **RNA virus-mediated changes in organismal oxygen consumption rate in young and old *Drosophila melanogaster* males.**

Hagedorn E, Bunnell D, Henschel B, Smith DL, Dickinson S, **Brown AW**, De Luca M, Turner AN, Chtarbanova S. *Aging (Albany NY)*. 2023 Mar 22;15(6):1748-1767. doi: 10.18632/aging.204593. Epub 2023 Mar 22. PMC10085608

16. **Machine learning modeling practices to support the principles of AI and ethics in nutrition research.**
Thomas DM, Kleinberg S, **Brown AW**, Crow M, Bastian ND, Reisweber N, Lasater R, Kendall T, Shafto P, Blaine R, Smith S, Ruiz D, Morrell C, Clark N. *Nutr Diabetes*. 2022 Dec 2;12(1):48. doi: 10.1038/s41387-022-00226-y. PMC9715415
17. **Accounting for the clustering and nesting effects verifies most conclusions. Corrected analysis of: “Randomized nutrient bar supplementation improves exercise-associated changes in plasma metabolome in adolescents and adult family members at cardiometabolic risk”.**
Jamshidi-Naeini Y, Golzarri-Arroyo L, Vorland CJ, **Brown AW**, Dickinson S, Allison DB. *PLoS One*. 2022 Oct 27;17(10):e0275242. doi: 10.1371/journal.pone.0275242. PMC9612448
18. **Re-analysis and Additional Information Needed to Inform Conclusions. Comment On: “Deuterium-Depleted Water as Adjuvant Therapeutic Agent for Treatment of Diet-Induced Obesity in Rats.**
Vorland CJ, Chen X, Chusyd D, Mestre L, Dickinson S, Allison DB, **Brown AW**. *Molecules*. 2022 Aug 15;27(16):5186. doi: 10.3390/molecules27165186. PMC9414091
19. **Use of Pre-Post Treatment Values in Place of Between Group Comparisons Invalidates Meta-Analysis Findings. Commentary: “Can Millet Consumption Help Manage Hyperlipidemia and Obesity? A Systematic Review and Meta-Analysis”.**
Aly M, Jamshidi-Naeini J, **Brown AW**. *Front Nutr*. 2022;9:921352. doi: 10.3389/fnut.2022.921352. eCollection 2022. PMC9355156
20. **Valuing the Diversity of Research Methods to Advance Nutrition Science.**
Mattes RD, Rowe SB, Ohlhorst SD, **Brown AW**, Hoffman DJ, Liska DJ, Feskens EJM, Dhillon J, Tucker KL, Epstein LH, Neufeld LM, Kelley M, Fukagawa NK, Sunde RA, Zeisel SH, Basile AJ, Borth LE, Jackson E. *Adv Nutr*. 2022 Aug 1;13(4):1324-1393. doi: 10.1093/advances/nmac043. PMC9340992
21. **Intraclass correlation coefficients for weight loss cluster randomized trials in primary care: The PROPEL trial.**
Katzmarzyk P, Denstel K, Martin C, Newton R, Apolzan J, Mire E, Horswell R, Johnson WD, **Brown AW**, Zhang D, PROPEL Research Group. *Clin Obes*. 2022 Aug;12(4):e12524. doi: 10.1111/cob.12524. PMC9283264
22. **Implementation of a Family Support Grant to Subsidize Caregiving Needs and Support Attendance at American Society for Nutrition’s Annual Professional Scientific Conference.**
Cardel MI, Loop MS, **Brown AW**, Bohan Brown MM, Newsome F, Scott L, Lemas DJ, Krukowski RA. *Curr Dev Nutr*. 2022 Jun 23;6(6):nzac076. doi: 10.1093/cdn/nzac076. eCollection 2022 Jun. PMC9225269
23. **A Practical Decision Tree to Support Editorial Adjudication of Submitted Parallel Cluster Randomized Controlled Trials.**
Jamshidi-Naeini J, **Brown AW**, Mehta T, Glueck DH, Golzarri-Arroyo L, Muller KE, Tekwe

CD, Allison DB. *Obesity (Silver Spring)*. 2022 Mar;30(3):565-570. doi: 10.1002/oby.23373. PMC9203170

24. **Evaluation of the type I error rate when using parametric bootstrap analysis of a cluster randomized controlled trial with binary outcomes and a small number of clusters.**
Golzarri-Arroyo L, Dickinson SL, Jamshidi-Naeini Y, Zoh RS, **Brown AW**, Owora AH, Li P, Oakes JM, Allison DB. *Comput Methods Programs Biomed*. 2022 Mar;215:106654. PMC8847311
25. **Traffic light diets for childhood obesity: disambiguation of terms and critical review of application, food categorization, and strength of evidence.**
Vorland CJ, Bohan Brown MM, Cardel MI, **Brown AW**. *Curr Dev Nutr*. 2022 Mar;6(3):nzac006. doi: 10.1093/cdn/nzac006. eCollection 2022 Mar. PMC8929981
26. **From Model Organisms to Humans, the Opportunity for More Rigor in Methodologic and Statistical Analysis, Design, and Interpretation of Aging and Senescence Research.**
Chusyd DE, Austad SN, **Brown AW**, Chen X, Dickinson SL, Ejima K, Fluharty D, Golzarri-Arroyo L, Holden R, Jamshidi-Naeini Y, Landsittel D, Lartey S, Mannix E, Vorland CJ, Allison DB. *J Gerontol A Biol Sci Med Sci*. 2022 Nov 21;77(11):2155-2164. doi: 10.1093/gerona/glab382. PMC9678201
27. **Re-analysis of data from a cluster RCT entitled “health literacy and exercise-focused interventions on clinical measurements in Chinese diabetes patients”.**
Jamshidi-Naeini Y, Golzarri-Arroyo L, Vorland CJ, **Brown AW**, Allison DB. *EClinicalMedicine*. 2022 Oct 6;53:101686. doi: 10.1016/j.eclinm.2022.101686. eCollection 2022 Nov. PMC9551113
28. **Invalid design and analyses in “School physical education-based reinforced program through moderate-to-vigorous physical activity improves and maintains school children’s cardiorespiratory fitness: A cluster-randomized controlled trial” render results and conclusions unsubstantiated.**
Ginell K, Jamshidi-Naeini Y, Golzarri-Arroyo L, Vorland CJ, **Brown AW**, Allison DB. *Science & Sports*. Volume 37, Issue 2, April 2022, Pages 155-156.
29. **Toward more rigorous and informative nutritional epidemiology: the rational space between dismissal and defense of the status quo.**
Brown AW, Aslibekyan S, Bier D, Ferreira Da Silva R, Hoover A, Klurfeld DM, Loken E, Mayo-Wilson E, Menachemi N, Pavela G, Quinn PD, Schoeller D, Tekwe C, Valdez D, Vorland CJ, Whigham LD, Allison DB. *Crit Rev Food Sci Nutr*. 2023;63(18):3150-3167. doi: 10.1080/10408398.2021.1985427. PMC9023609
30. **Errors in Analyses and Undisclosed Methods Render Meta-Analysis Irreproducible: A Second Comment on “Effects of Flaxseed Interventions on Circulating Inflammatory Biomarkers: A Systematic Review and Meta-Analysis of Randomized Controlled Trials”.**
Jamshidi-Naeini Y, Li R, Dickinson S, Vorland CJ, **Brown AW**. *Adv Nutr*. 2022 Feb 1;13(1):352-354. doi: 10.1093/advances/nmab146. PMC8803486
31. **Eating versus skipping breakfast has no discernible effect on obesity-related anthropometric outcomes: a systematic review and meta-analysis.**

Bohan Brown MM, Milanés J, Allison DB, **Brown AW**. *F1000Res*. 2020 Feb 24;9:140. doi: 10.12688/f1000research.22424.3. eCollection 2020. PMC8924556

32. **Errors in the implementation, analysis, and reporting of randomization within obesity and nutrition research: a guide to their avoidance.**
Vorland CJ, **Brown AW**, Dawson JA, Dickinson SL, Golzarri-Arroyo L, Hannon BA, Heo M, Heymsfield SB, Jayawardene WP, Kahathuduwa CN, Keith SW, Oakes JM, Tekwe CD, Thabane L, Allison DB. *Int J Obes (Lond)*. 2021 Nov;45(11):2335-2346. doi: 10.1038/s41366-021-00909-z. PMC8528702
33. **Evidence of misuse of nonparametric tests in the presence of heteroscedasticity within obesity research.**
Kroeger CM, Hannon BA, Halliday TM, Ejima K, Teran-Garcia M, **Brown AW**. *F1000Res*. 2021 May 17;10:391. doi: 10.12688/f1000research.52693.1. eCollection 2021. PMC8792877
34. **Persistent confusion in nutrition and obesity research about the validity of classic nonparametric tests in the presence of heteroscedasticity: Evidence of the problem and valid alternatives.**
Kroeger CM, Ejima K, Hannon BA, Halliday TM, McComb B, Teran-Garcia M, Dawson JA, King DB, **Brown AW**, Allison DB. *Am J Clin Nutr*. 2021 Jan 29;nqaa357. doi: 10.1093/ajcn/nqaa357. PMC7948897
35. **Contrary to the Conclusions Stated in the Paper, Only Dry Fat-Free Mass Was Different between Groups upon Reanalysis. Comment on: “Intermittent Energy Restriction Attenuates the Loss of Fat-Free Mass in Resistance Trained Individuals. A Randomized Controlled Trial”.**
Peos J, **Brown AW**, Vorland CJ, Allison DB, Sainsbury A. *J. Funct. Morphol. Kinesiol*. 2020, 5(4), 85; doi: 10.3390/jfmk5040085.
36. **Improving open and rigorous science: ten key future research opportunities related to rigor, reproducibility, and transparency in scientific research [version 1; peer review: 3 approved].**
Valdez D, Vorland CJ, **Brown AW**, Mayo-Wilson E, Otten J, Ball R, Grant S, Levy R, Laldivia DS, Allison DB. *F1000Res*. 2020 Oct 14;9:1235. doi: 10.12688/f1000research.26594.1. eCollection 2020. PMC7898357
37. **Overstated Claims of Efficacy and Safety. Comment On: “Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect Against Viral Infections”.** *Nutrients* 2020, 12, 1181.
Vorland CJ, Bohan Brown MM, Kyle TK, **Brown AW**. *Nutrients*. 2020 Sep 3;12(9):2690. doi: 10.3390/nu12092690. PMC7551966
38. **Comparisons of Within-Group Instead of Between-Group Affect the Conclusions. Comment on: “Changes in Weight and Substrate Oxidation in Overweight Adults Following Isomaltulose Intake during a 12-Week Weight Loss Intervention: A Randomized, Double-Blind, Controlled Trial”.** *Nutrients* 2019, 11(10), 2367.
Vorland CJ, Kyle T, **Brown AW**. *Nutrients*. 2020 Aug 5;12(8):2335. doi: 10.3390/nu12082335. PMC7468752

39. **Murine genetic models of obesity: type I error rates and the power of commonly used analyses as assessed by plasmode-based simulation.**
Ejima K, *Brown AW*, Smith D, Beyaztas U, Allison DB. *Int J Obes (Lond)*. 2020 Jun;44(6):1440-1449. doi: 10.1038/s41366-020-0554-2. Epub 2020 Feb 25. PMC7261642
40. **Data anomalies and apparent reporting errors in ‘Randomized controlled trial testing weight loss and abdominal obesity outcomes of moxibustion’.**
Mestre LM, Dickinson SL, Golzarri-Aroyo L, *Brown AW*, Allison DB. *Biomed Eng Online*. 2020 Feb 18;19(1):11. PMC7029490
41. **Incorrect design and analysis render conclusion unsubstantiated: comment on “A digital movement in the world of inactive children: favourable outcomes of playing active video games in a pilot randomized trial”.**
Golzarri-Arroyo L, Vorland CJ, Thabane L, Oakes JM, Hunt E, *Brown AW*, Allison DB. *Eur J Pediatr*. 2020 Sep;179(9):1487-1488. doi: 10.1007/s00431-020-03590-y. PMC7415517
42. **Science Dialogue Mapping of Knowledge and Knowledge Gaps Related to the Effects of Dairy Intake on Human Cardiovascular Health and Disease.**
Brown AW, Kaiser KA, Keitt A, Fontaine K, Gibson M, Gower BA, Shikany J, Vorland C, Beitz DC, Bier D, Brenna JT, Jacobs D, Kris-Etherton P, Maki K, Miller M, St. Onge MP, Teran-Garcia M, Allison DB. *Crit Rev Food Sci Nutr*. 2020 Feb 19:1-17. PMC7434715
43. **Exceptional reported effects and data anomalies merit explanation from “A randomized controlled trial of coordination exercise on cognitive function in obese adolescents” by Liu et al. (2018).**
Ejima K, Dickinson S, *Brown AW*, Yanovski JA, Kaiser KA, Hall KD, Heymsfield SB, Allison DB. *Psychology of Sport & Exercise*. Volume 46, January 2020, 101604. PMC7189777
44. **Does exclusion of extreme reporters of energy intake (the “Goldberg cutoffs”) reliably reduce or eliminate bias in nutrition studies? Analysis with illustrative associations of energy intake with health outcomes.**
Ejima K, *Brown AW*, Schoeller DA, Heymsfield SB, Nelson EJ, Allison DB. *Am J Clin Nutr*. 2019 Nov 1;110(5):1231-1239. PMC6821551
45. **Dropout rates in behavioral treatment programs for substance use disorders: A systematic review and meta-analysis.**
Lappan S, *Brown AW*, Hendricks P. *Addiction*. 2020 Feb;115(2):201-217. doi: 10.1111/add.14793. NIHPA N/A
46. **Childhood Obesity Intervention Studies: A Narrative Review and Guide for Investigators, Authors, Editors, Reviewers, Journalists, and Readers to Guard Against Exaggerated Effectiveness Claims.**
Brown AW, Altman DG, Baranowski T, Bland JM, Dawson JA, Dhurandhar NV, Dowla S, Fontaine KR, Gelman A, Heymsfield SB, Jayawardene W, Keith SW, Kyle TK, Loken E, Oakes JM, Stevens J, Thomas DM, Allison DB. *Obes Rev*. 2019 Nov;20(11):1523-1541. doi: 10.1111/obr.12923. PMC7436851
47. **Differences in Nominal Significance (DINS) Error leads to invalid conclusions: Letter regarding, “Diet enriched with fresh coconut decreases blood glucose levels and body weight in normal adults”.**

Kroeger CM, **Brown AW**, Allison DB. *Journal of Complementary and Integrative Medicine*. 2019 Jun 12;16(2). PMC6957306

48. **The stated conclusions are contradicted by the data, based on inappropriate statistics, and should be corrected: comment on ‘intervention for childhood obesity based on parents only or parents and child compared with follow-up alone’.**
Dawson JA, **Brown AW**, Allison DB. *Pediatr Obes*. 2018 Nov;13(11):656-657. doi: 10.1111/ijpo.12431. Epub 2018 Aug 9. PMC6203607
49. **Issues with data and analyses: Errors, underlying themes, and potential solutions.**
Brown AW, Kaiser KA, Allison DB. *Proceedings of the National Academy of Sciences*. 2018 Mar 13;115(11):2563-2570. PMC5856502 [Invited]
50. **Randomization to Randomization Probability: Estimating Treatment Effects Under Actual Conditions of Use.**
George BJ, Li P, Lieberman HR, Pavela G, **Brown AW**, Fontaine KR, Jeansonne MM, Dutton GR, Idigo AJ, Parman MA, Rubin DB, Allison DB. *Psychological Methods*. 2018 Jun;23(2):337-350. PMC5640450
51. **Analysis of the time and workers needed to conduct systematic reviews of medical interventions using data from the PROSPERO registry.**
Borah R, **Brown AW**, Capers PL, Kaiser KA. *BMJ Open*. 2017 Feb 27;7(2):e012545. PMC5337708
52. **Common Scientific and Statistical Errors in Obesity Research.**
George BJ, Beasley M, **Brown AW**, Dawson JA, Rositsa D, Divers J, Goldsby T, Heo M, Kaiser KA, Keith S, Kim MY, Li P, Mehta T, Oakes JM, Skinner A, Stuart E, Allison DB. *Obesity*. 2016 Apr;24(4):781-90. PMC4817356 [Invited]
53. **We agree that self-reported energy intake should not be used as a basis for conclusions about energy intake in scientific research.**
Dhurandhar NV, **Brown AW**, Thomas D, Allison DB. *Journal of Nutrition*. 2016 May;146(5):1141-2. PMC4841923
54. **High Intensity Interval- vs Moderate Intensity- Training for Improving Cardiometabolic Health in Overweight or Obese Males: A Randomized Controlled Trial.**
Fisher G, **Brown AW**, Bohan Brown MM, Alcorn A, Noles C, Winwood L, Resuehr H, George B, Jeansonne MM, Allison DB. *PLoS One*. 2015 Oct 21;10(10):e0138853. PMC4619258
55. **Taurine and vitamin E supplementation have minimal effects on body composition, hepatic lipids, and blood hormone and metabolite concentrations in healthy Sprague Dawley rats.**
Allen PS, **Brown AW**, Bohan Brown MM, Hsu WH, Beitz DC. *Nutrition and Dietary Supplements*. 2015;7:77-85. PMC4706234
56. **The importance of prediction model validation and assessment in obesity and nutrition research.**
Ivanescu AE, Li P, George B, **Brown AW**, Keith SW, Raju D, Allison DB. *International Journal of Obesity*. 2016 Jun;40(6):887-94. PMC4826636 [Invited]
57. **Best (but oft-forgotten) practices: designing, analyzing, and reporting cluster randomized controlled trials.**

- Brown AW*, Li P, Bohan Brown MM, Kaiser KA, Keith SW, Oakes JM, Allison DB. *American Journal of Clinical Nutrition*. 2015 Aug;102(2):241-8. PMC4515862 [Invited]
58. **Concerning Sichieri R, Cunha DB: Obes Facts 2014;7:221-232. The Assertion that Controlling for Baseline (Pre-Randomization) Covariates in Randomized Controlled Trials Leads to Bias Is False.**
Li P, *Brown AW*, Dawson JA, Kaiser KA, Bohan Brown MM, Keith SW, Oakes JM, Allison DB. *Obesity Facts*. 2015;8:127-129. PMC4494880
59. **Double sampling with multiple imputation to answer large sample meta-research questions: Introduction and illustration by evaluating adherence to two simple CONSORT guidelines.**
Capers PL, *Brown AW*, Dawson JA, Allison DB. *Frontiers in Nutrition*. 2015 Mar;9;2:6. PMC4428480
60. **Communication of randomized, controlled trial results must match the study focus.**
Brown AW, Sievenpiper JL, Kyle TK, Kaiser KA. *Journal of Nutrition*. 2015 May;145(5):1027-9. PMC4408739
61. **Unscientific Beliefs about Scientific Topics in Nutrition.**
Brown AW, Ioannidis JPA, Cope MB, Bier DM, Allison DB. *Advances in Nutrition*. 2014 Sep;5(5):563-5. PMC4188234 [Invited]
62. **Using crowdsourcing to evaluate published scientific literature: methods and example.**
Brown AW, Allison DB. *PLoS One*. 2014 Jul 2;9(7):e100647. PMC4079692
63. **Increased fruit and vegetable intake has no discernible effect on weight loss: a systematic review and meta-analysis.**
Kaiser KA, *Brown AW*, Bohan Brown MM, Shikany JM, Mattes RD, Allison DB. *American Journal of Clinical Nutrition*. 2014 Jun 25;100(2):567-576. PMC4095660
64. **Weighing the Evidence of Common Beliefs in Obesity Research.**
Casazza K, *Brown AW*, Astrup A, Bertz F, Baum C, Bohan Brown M, Dawson J, Durant N, Dutton G, Fields DA, Fontaine KR, Levitsky D, Mehta T, Menachemi N, Newby P, Pate R, Raynor H, Rolls BJ, Sen B, Smith DL Jr, Thomas D, Wansink B, Allison DB. *Critical Reviews in Food Science and Nutrition*. 2015;55(14):2014-53. PMC4272668
65. **Belief beyond the evidence: using the proposed effect of breakfast on obesity to show 2 practices that distort scientific evidence.**
Brown AW, Bohan Brown MM, Allison DB. *American Journal of Clinical Nutrition*. 2013 Nov;98(5):1298-308. PMC3798081
66. **Myths, presumptions, and facts about obesity.**
Casazza K, Fontaine KR, Astrup A, Birch LL, *Brown AW*, Bohan Brown MM, Durant N, Dutton G, Foster EM, Heymsfield SB, McIver K, Mehta T, Menachemi N, Newby PK, Pate R, Rolls BJ, Sen B, Smith DL Jr, Thomas DM, Allison DB. *New England Journal of Medicine*. 2013 Jan 31;368(5):446-54. PMC3606061
67. **Diet-induced alterations of host cholesterol metabolism are likely to affect the gut microbiota composition in hamsters.**

Martinez I, Perdicaro DJ, **Brown AW**, Hammons S, Carden TJ, Carr TP, Eskridge KM, Walter J. *Applied and Environmental Microbiology*. 2013 Jan;79(2):516-24. PMC3553751

68. **Short-term consumption of sucralose, a nonnutritive sweetener, is similar to water with regard to select markers of hunger signaling and short-term glucose homeostasis in women.** **Brown AW**, Bohan Brown MM, Onken KL, Beitz DC. *Nutrition Research*. 2011 Dec;31(12):882-8. NIHPA N/A
69. **Diets high in conjugated linoleic acid from pasture-fed cattle did not alter markers of health in young women.** **Brown AW**, Trenkle AH, Beitz DC. *Nutrition Research*. 2011 Jan;31(1):33-41. NIHPA N/A
70. **Phytosterol ester constituents affect micellar cholesterol solubility in model bile.** **Brown AW**, Hang J, Dussault PH, Carr TP. *Lipids*. 2010 Sep;45(9):855-62. NIHPA N/A
71. **Plant sterol and stanol substrate specificity of pancreatic cholesterol esterase.** **Brown AW**, Hang J, Dussault PH, Carr TP. *J Nutr Biochem*. 2010 Aug;21(8):736-40. doi: 10.1016/j.jnutbio.2009.04.008. Epub 2009 Jul 16. NIHPA N/A
72. **Cholesterol-lowering phytosterols: factors affecting their use and efficacy.** Carr TP, Ash MM, **Brown AW**. *Nutrition and Dietary Supplements*. 2010 July;2010(2):59-72. NIHPA N/A [Invited]
73. **Endocannabinoids, metabolic regulation, and the role of diet.** Carr TP, Jesch ED, **Brown AW**. *Nutrition Research*. 2008 Oct;28(10):641-50. NIHPA N/A [Invited]

Other Articles in Peer Reviewed Journals

The following publications in peer reviewed journals received editorial review, or the peer review status of the article is unknown (e.g., insufficient information from the journal or corresponding author).

74. **Ambiguity in Statistical Analysis Methods and Nonconformity With Prespecified Commitment to Data Sharing in a Cluster Randomized Controlled Trial.** Jamshidi-Naeini Y, Golzarri-Arroyo L, Thapa DK, **Brown AW**, Kpormegbey DE, Allison DB. *J Med Internet Res*. 2024 Apr 3;26:e54090. doi: 10.2196/54090. PMC11024742
75. **Undisclosed outcome switching, undisclosed analysis switching, inappropriate rounding, and selective reporting render paper “Effectiveness of a minimally processed food-based nutritional counselling intervention on weight gain in overweight pregnant women: a randomized controlled trial” unreliable.** Pena A, Gibney M, Hall K, Kyle TK, **Brown AW**, Allison DB. *Eur J Nutr*. 2023 Aug;62(5):2333-2335. doi: 10.1007/s00394-023-03146-4. Epub 2023 May 3. PMC10594987
76. **Comment on Qiu et al. Effect of Protein-Rich Breakfast on Subsequent Energy Intake and Subjective Appetite in Children and Adolescents: Systematic Review and Meta-Analysis of Randomized Controlled Trials.** *Nutrients* 2021, 13, 2840. Henschel B, Chen X, Dickinson SL, **Brown AW**, Allison DB. *Nutrients*. 2023 Mar 29;15(7). doi: 10.3390/nu15071653. PMC10096717

77. **Mixed Random and Nonrandom Allocation, and Group Randomization Have Been Mislabeled and Misanalysed, Necessitating Reanalysis. Comment on Conner et al. KiwiC for Vitality: Results of a Randomized Placebo-Controlled Trial Testing the Effects of Kiwifruit or Vitamin C Tablets on Vitality in Adults with Low Vitamin C Levels. *Nutrients* 2020, 12, 2898.**
Vorland CJ, Jamshidi-Naeini Y, Golzarri-Arroyo L, *Brown AW*, Allison DB. *Nutrients*. 2022 Sep 30;14(19):4062. doi: 10.3390/nu14194062. PMC9570894
78. **Spin in the abstracts of systematic reviews and meta-analyses: How big is the problem in obesity?**
Vorland CJ, *Brown AW*. *Obesity (Silver Spring)*. 2021 Aug;29(8):1244-1245. doi: 10.1002/oby.23230. PMC8765550 [Invited]
79. **University of Alabama at Birmingham Nathan Shock Center: comparative energetics of aging.**
Austad SN, Buford TW, Allison DB, Ballinger SW, *Brown AW*, Carter CS, Darley-Usmar VM, Hartman JL, Nagy TR, Smith DL, Sun L, Zhang J. *Geroscience*. 2021 Oct;43(5):2149-2160. doi: 10.1007/s11357-021-00414-1.
80. **Calculation and data errors require correcting. Comment on “The effect of green coffee extract supplementation on anthropometric measures in adults: A comprehensive systematic review and dose-response meta-analysis of randomized clinical trials”.**
Chen X, Naaman K, Dickinson SL, *Brown AW*, Allison DB. *Complement Ther Med*. 2021 Feb 16;102685. doi: 10.1016/j.ctim.2021.102685. PMC8202092
81. **Double-counting of effect sizes and inappropriate exclusion of studies in “The influence of vitamin D supplementation on IGF-1 levels in humans: A systematic review and meta-analysis”.**
Amiri M, Raesi-Dehkordi H, Vorland CJ, Chen X, *Brown AW*, Allison DB. *Ageing Res Rev*. 2020 Dec 15;101236. doi: 10.1016/j.arr.2020.101236. PMC33338606
82. **Within-group comparisons led to unsubstantiated conclusions in “Low-phytate wholegrain bread instead of high-phytate wholegrain bread in a total diet context did not improve iron status of healthy Swedish females: a 12-week, randomized, parallel-design intervention Study”.**
Vorland CJ, Mestre L, Mendis SS, *Brown AW*. *Eur J Nutr*. 2020 Jul 13.
83. **Incorrect analyses of cluster-randomized trials that do not take clustering and nesting into account likely lead to p-values that are too small.**
Golzarri-Arroyo L, Oakes JM, *Brown AW*, Allison DB. *Childhood Obesity*. 2020 Mar;16(2):65-66. PMC7047086
84. **Errors or irreproducibility in effect size calculations, incomplete reporting of results in “Systematic Review of the Effects of Blueberry on Cognitive Performance as We Age.”**
Vorland CJ, Matthey Mora PP, Mestre LM, Chen X, Dickinson SL, *Brown AW*, Allison DB. *J Gerontol A Biol Sci Med Sci*. 2020 Jul 13;75(8):e24-e26. doi: 10.1093/gerona/glaa041. PMC7357584
85. **Re: “Annurca Apple Nutraceutical Formulation Enhances Keratin Expression in a Human Model of Skin and Promotes Hair Growth and Tropism in a Randomized Clinical Trial”**

by Tenore et al. (*J Med Food* 2018;21:90-103).

Keith SW, *Brown AW*, Heo M, Heymsfield SB, Allison DB. *J Med Food*. 2019 Dec;22(12):1301-1302. PMC6921091

86. **Toward Fulfilling the Aspirational Goal of Science as Self-Correcting: A Call for Editorial Courage and Diligence for Error Correction.**
Vorland CJ, *Brown AW*, Ejima K, Mayo-Wilson E, Valdez D, Allison DB. *Eur J Clin Invest*. 2019 Dec 1:e13190. [Invited]
87. **Questions on ‘Intervention effects of a kindergarten-based health promotion programme on obesity related behavioural outcomes and BMI percentiles’.**
Vorland CJ, *Brown AW*, Kahathuduwa CN, Dawson JA, Gletsu Miller N, Kyle TK, Thabane L, Allison DB. *Prev Med Rep*. 2019 Nov 21;17:101022. doi: 10.1016/j.pmedr.2019.101022. eCollection 2020 Mar. PMC7058642
88. **Spin in the Abstract in “Impact of motivational interviewing on outcomes of an adolescent obesity treatment: results from the MI Values randomized controlled pilot trial”.**
Vorland CJ, *Brown AW*, Allison DB. *Clin Obes*. 2019 Aug 4:e12332. PMC6718333
89. **The Implementation of Randomization Requires Corrected Analyses. Comment on “Comprehensive Nutritional and Dietary Intervention for Autism Spectrum Disorder—A Randomized, Controlled 12-Month Trial, *Nutrients* 2018, 10, 369”.**
Vorland CJ, *Brown AW*, Dickinson SL, Gelman A, Allison DB. *Nutrients*. 2019 May 21;11(5). doi:10.3390/nu11051126. PMC6566629
90. **Conditioning on “study” is essential for valid inference when combining individual data from multiple randomized controlled trials: a comment on Reesor et al’s School-based weight management program curbs summer weight gain among low-income Hispanic middle school students. *J Sch Health*. 2019;89(1):59-67.**
Jayawardene WP, *Brown AW*, Dawson JA, Kahathuduwa CN, McComb B, Allison DB. *Journal of School Health*. 2019 Jul;89(7):515-518. PMC6684232
91. **Change in study randomization allocation needs to be included in statistical analysis: Comment on “Randomized controlled trial of weight loss versus usual care on telomere length in women with breast cancer: the lifestyle, exercise, and nutrition (LEAN) study.”**
Dickinson SL, Golzarri Arroyo L, *Brown AW*, McComb B, Kahathuduwa CN, Allison DB. *Breast Cancer Res Treat*. 2019. 175(1), 263-4. doi: 10.1007/s10549-019-05155-6. PMC6494688
92. **Letter to the Editor And response Letter to the Editor and Author Response of Assessment of a Health Promotion Model on Obese Turkish Children.**
Brown AW, Allison DB. *J Nurs Res*. 2018 Oct;26(5):373-374. doi: 10.1097/JNR.0000000000000287. NIHPA N/A
93. **Incorrect analyses were used in “Different enteral nutrition formulas have no effect on glucose homeostasis but on diet-induced thermogenesis in critically ill medical patients: a randomized controlled trial” and corrected analyses are requested.**
Dickinson S, *Brown AW*, Mehta T, Heymsfield S, Ebbeling C, Ludwig D, Allison DB. *European Journal of Clinical Nutrition*. 2018. 73, 152-153. doi: 10.1038/s41430-018-0197-8. PMC6310101

94. **Reducing Calories to Lose Weight.**
Hall KD, Schoeller DA, *Brown AW*. *JAMA*. 2018;319(22):2336-2337. NIHPA N/A
95. **A Comment on Scherr et al “A Multicomponent, School-Based Intervention, the Shaping Healthy Choices Program, Improves Nutrition-Related Outcomes”.**
Wood AC, *Brown AW*, Li P, Oakes JM, Pavela G, Thomas DM, Allison DB. *Journal of Nutrition Education and Behavior*. 2018 Mar;50(3):324-325.
96. **Addendum: Hypercaloric diets with high meal frequency, but not increased meal size, increase intrahepatic triglycerides: A randomized controlled trial.**
Serlie MJ, ter Horst KW, *Brown AW*. *Hepatology*. 2016 Nov;64(5):1814-1816. PMC5046189
97. **Reproducibility: A tragedy of errors.**
Allison DB, *Brown AW*, George BJ, Kaiser KA. *Nature*. 2016 Feb 4;530(7588):27-9. PMC4831566 [Invited]
98. **Unsubstantiated Conclusions from Improper Statistical Design and Analysis of a Randomized Controlled Trial.**
George BJ, Goldsby TU, *Brown AW*, Li P, Allison DB. *International Journal of Yoga*. 2016;9(1):87-8. PMC4728968
99. **Errors in statistical analysis and questionable randomization lead to unreliable conclusions.**
George BJ, *Brown AW*, Allison DB. *Journal of Paramedical Sciences*. 2015 Summer;6(3):153-154. PMC4778955
100. **Goals in Nutrition Science 2015-2020.**
Allison DB, Bassaganya-Riera J, Burlingame B, *Brown AW*, Le Coutre J, Dickson SL, Van Eden W, Garssen J, Hontecillas R, Khoo CSH, Knorr D, KussmannM, Magistretti PJ, Mehta T, Meule A, Rychlik M, Vögele C. *Front. Nutr.*, 08 September 2015. PMC4563164 [Invited]
101. **Comment on “Intervention effects of a school-based health promotion programme on obesity related behavioural outcomes.”**
Li P, *Brown AW*, Oakes JM, Allison DB. *Journal of Obesity*. 2015;2015:708181. PMC4458557
102. **Response to ‘Energy balance measurement: when something is not better than nothing.’**
Dhurandhar NV, Schoeller D, *Brown AW*, Heymsfield SB, Thomas D, Sorensen TIA, Speakman JR, Jeansonne M, Allison DB. *International Journal of Obesity*. 2015 Jul;39(7):1175-6. PMC4496300 [Invited]
103. **Comment on “School-Based Obesity Prevention Intervention in Chilean Children: Effective in Controlling, but not Reducing Obesity.”**
Li P, *Brown AW*, Oakes JM, Allison DB. *Journal of Obesity*. 2015;2015:183528. PMC4480932
104. **Exceptional Data in Paper on “The effect of meridian massage on BM, BMI, WC and HC in simple obesity patients: a randomized controlled trial.”**
Thomas DM, *Brown AW*, Dawson JA, Li P, Heymsfield SB, Allison DB. *World Journal of Acupuncture-Moxibustion*. 2015;(01) 66-67. PMC4696399

105. **Order of Magnitude Mis-estimation of Weight Effects of Children's Meal Policy Proposals.**
Brown AW, Hall KD, Thomas D, Dhurandhar NV, Heymsfield SB, Allison DB. *Childhood Obesity*. 2014 Dec;10(6):542-4. PMC4442575
106. **Linear extrapolation results in erroneous overestimation of plausible stressor-related yearly weight changes.**
 Bohan Brown MM, *Brown AW*, Allison DB. *Biological Psychiatry*. 2015 Aug 15;78(4):e10-1. PMC4459915
107. **An Unjustified Conclusion from Self-Report-Based Estimates of Energy Intake.**
 Levitsky DA, *Brown AW*, Hansen BC, Atkinson RL, Byrne N, Cheskin LJ, Allison DB. *American Journal of Medicine*. 2014;127(12):e33. NIHPA N/A
108. **Energy Balance Measurement: When Something is NOT Better than Nothing.**
 Dhurandhar NV, Schoeller D, *Brown AW*, Heymsfield SB, Thomas D, Sorensen TIA, Speakman JR, Jeansonne M, Allison DB. *International Journal of Obesity*. 2015 Jul;39(7):1109-13. PMC4430460
109. **Reply to RA Mekary and E Giovannucci.**
Brown AW, Bohan Brown MM, Allison DB. *American Journal of Clinical Nutrition*. 2014 Jan;99(1):213. NIHPA N/A [Invited]
110. **Does host cholesterol metabolism impact the gut microbiota and why does it matter?**
 Martinez I, *Brown AW*, Walter J. *Future Microbiology*. 2013 May;8(5):571-3. NIHPA N/A [Invited]
111. **Unintended consequences of obesity-targeted health policy.**
Brown AW, Allison DB. *Virtual Mentor*. 2013 Apr 1;15(4):339-46. NIHPA N/A [Invited]
112. **Nutritional epidemiology in practice: learning from data or promulgating beliefs?**
 Bohan Brown MM, *Brown AW*, Allison DB. *American Journal of Clinical Nutrition*. 2013 Jan;97(1):5-6. PMC3522139 [Invited]

Book Chapters

113. **Publication Bias in Science: What is it, Why is it Problematic, and How Can It Be Addressed?**
Brown AW, Mehta TS, Allison DB. (2017) In book: *The Oxford Handbook of the Science of Science Communication*. [Invited]
114. **Critical Evaluation of Nutrition Research.**
Brown AW, Bohan Brown MM. (2016) In book: *Nutrition in Lifestyle Medicine*, Publisher: Springer International Publishing, Editor: James M. Rippe, pp.103-116. [Invited]
115. **HUMAN NUTRITION | Nutraceuticals.**
Brown AW. (2014) In book: *Encyclopedia of Meat Sciences (Second Edition)*, Publisher: Academic Press, Editors: Michael Dikeman, Carrick Devine, pp.130-134. [Invited]

Reports

116. **Lipid and NDF analysis of ethanol byproduct feedstuffs.**
Bremer VR, Buckner CD, *Brown AW*, Carr TP, Diedrichsen RM, Erickson GE, Klopfenstein TJ. *Nebraska Beef Cattle Report*. 2010;MP93:83-86.

Preprints

117. **Guilt by association: Plant-based foods can be incorporated into both healthy and unhealthy plant-based diet indices associated with coronary heart disease.**
Jamshidi-Naeini Y, Henschel B, Shikany JM, Allison DB, *Brown AW*. *medRxiv*. PMC11230322
118. **GPT's Performance in Identifying Outcome Changes on ClinicalTrials.gov.**
Ying X, Vorland CJ, Qureshi R, *Brown AW*, Kilicoglu H, Saldanha I, DeVito NJ, Mayo-Wilson E. *medRxiv*.
119. **'Shaking the Ladder' reveals how analytic choices can influence associations in nutrition epidemiology: beef intake and coronary heart disease as a case study.**
Vorland CJ, O'Connor LE, Henschel B, Huo C, Shikany JM, Serrano CA, Henschel R, Dickinson SL, Ejima K, Bidulescu A, Allison DB, *Brown AW*. *medRxiv*.

Works Submitted

120. **Enhancing Detection of Cerebral Palsy: Multimodal Developmental Assessments in High-Risk Infants.**
Kapil N, Majmudar-Sheth B, Escapita A, Chung S, Brown A, Sivakumar S, Johnson T. *European Journal of Paediatric Neurology*.

Acknowledgments

I was acknowledged for contributing in some capacity to the following articles:

1. **Understanding & Interpreting Food & Health Scientific Studies: Guidance For Food & Nutrition Communicators.**
International Food Information Council. *White Paper*: <https://foodinsight.org/guidance-for-food-nutrition-communicators/>
2. **Workshop summary: building an NHANES for the future.**
Johnson AF, Lamontagne N, Bhupathiraju SN, Brown AG, Eicher-Miller HA, Fulgoni VL 3rd, Rehm CD, Tucker KL, Woteki CE, Ohlhorst SD. *Am J Clin Nutr*. 2024 Apr;119(4):1075-1081. doi: 10.1016/j.ajcnut.2024.02.001. Epub 2024 Feb 6.
3. **Critical data at the crossroads: the National Health and Nutrition Examination Survey faces growing challenges.**
Taylor CL, Madans JH, Chapman NN, Woteki CE, Briefel RR, Dwyer JT, Merkel JM, Rothwell CJ, Klurfeld DM, Seres DS, Coates PM. *Am J Clin Nutr*. 2023 May;117(5):847-858. doi: 10.1016/j.ajcnut.2023.03.007

4. **Red and processed meat intakes and cardiovascular disease and type 2 diabetes mellitus: An umbrella systematic review and assessment of causal relations using Bradford Hill's criteria.**
Hill ER, O'Connor LE, Wang Y, Clark CM, McGowan BS, Forman MR, Campbell WW. *Crit Rev Food Sci Nutr.* 2022 Sep 26;1-18. doi: 10.1080/10408398.2022.2123778.
5. **Semantic and cognitive tools to aid statistical science: replace confidence and significance by compatibility and surprise.**
Rafi Z, Greenland S. *BMC Medical Research Methodology* volume 20, Article number: 244 (2020). doi: 10.1186/s12874-020-01105-9
6. **Weight Loss in Underserved Patients — A Cluster-Randomized Trial.**
Katzmarzyk PT, Martin CK, Newton RL Jr, Apolzan JW, Arnold CL, Davis TC, Price-Haywood EG, Denstel KD, Mire EF, Thethi TK, Brantley PJ, Johnson WD, Fonseca V, Gugel J, Kennedy KB, Lavie CJ, Sarpong DF, Springgate B. *N Engl J Med.* 2020 Sep 3;383(10):909-918. doi: 10.1056/NEJMoa2007448
7. **Injured Runners Do Not Replace Lost Running Time with Other Physical Activity.**
Davis JJ, Gruber AH. *Med Sci Sports Exerc.* 2020 May;52(5):1163-1168
8. **Introduction to the series “Best (but Oft-Forgotten) Practices”.**
Bier DM, Allison DB, Alpers DH, Astrup A, Cashman KD, Coates PM, Fukagawa NK, Klurfeld DM, Mattes RD, Uauy R. *American Journal of Clinical Nutrition.* 2015 Aug;102(2):239-40
9. **Zonisamide for Weight Reduction in Obese Adults: A 1-Year Randomized Controlled Trial.**
Gadde KM, Kopping MF, Wagner HR, Yonish GM, Allison DB, Bray GA. *Archives of Internal Medicine.* 2012 Nov 12;172(20):1557-64

Post Publication Corrections, Critiques, and Confirmations (not exhaustive)

The following entries represent efforts to correct, critique, or confirm published literature. Some of these entries we chose not to publish in journals. Others are posted to available platforms because journals have no mechanism to or declined to address errors in their articles.

1. **Incorrect and irreproducible statistical analyses require correction in “Timing of chocolate intake affects hunger, substrate oxidation, and microbiota: A randomized controlled trial”.**
Vorland CJ, Golzarri-Arroyo L, Thomas DM, Kyle TK, Ginell K, Jamshidi-Naeini, *Brown AW*, Allison DB. *PubPeer.* 2021 NOV 01:
<https://pubpeer.com/publications/1DBAD2211F0CE9921F9F9B839A5570#1>
2. **Error: Double counting placebo groups.**
Vorland CJ, *Brown AW.* *PubPeer.* 2021 APR 10:
<https://pubpeer.com/publications/1843A6AC50624A13743F9AF8D6370E#1>
3. **Comment on: “Difference in the Effect of Sedentary Behavior and Fast Food Consumption Habit on BMI (Body Mass Index) among Obese Children”.**
Jamshidi-Naeini Y, Vorland CJ, *Brown AW*, Allison DB. *PubPeer.* 2021 MAR 23:
<https://pubpeer.com/publications/16431315CB2587075CE5A076C62375#1>.

4. **Comment on: “Effectiveness of Electroacupuncture for Simple Obesity: A Systematic Review and Meta-Analysis of Randomized Controlled Trials”.**
Chen X, Dickinson SL, Naaman K, *Brown AW*, Allison DB. *PubPeer*. 2021 FEB 17: <https://pubpeer.com/publications/3E1F5F4393F76FC17177291F1614EF#1>.
5. **Comment on “Potato Protein Isolate Stimulates Muscle Protein Synthesis at Rest and with Resistance Exercise in Young Women”.**
Vorland CJ, *Brown AW*, Foote G, Weir JP, Allison DB. *PubPeer*. 2020 NOV 03: <https://pubpeer.com/publications/1843A6AC50624A13743F9AF8D6370E#1>
6. **Comment on: “Changes in Weight and Substrate Oxidation in Overweight Adults Following Isomaltulose Intake During a 12-Week Weight Loss Intervention: A Randomized, Double-Blind, Controlled Trial”.**
Vorland CJ, Kyle TK, *Brown AW*. *PubPeer*. 2020 AUG 07: <https://pubpeer.com/publications/7CA373E546988F6CEE4C993D7006AE#1>.
7. **Comment on: “Optimal Nutritional Status for a Well-Functioning Immune System Is an Important Factor to Protect against Viral Infections”.**
Vorland CJ, Bohan Brown MM, Kyle TK, *Brown AW*. *PubPeer*. 2020 JUL 24: <https://pubpeer.com/publications/B0DCFB4BED4F85EE725788BEE6DACD#1>.
8. **Apparent duplication of results in multiple publications and incorrect statistical analysis by Abdelbasset et al. requires attention to clarify the effect of exercise in patients with nonalcoholic fatty liver disease.**
Vorland CJ, Foote G, Dickinson SL, Mayo-Wilson E, Allison DB, *Brown AW*. *Medicine*. 2020 JUL 18: <https://journals.lww.com/md-journal/Blog/MedicineCorrespondenceBlog/pages/post.aspx?PostID=126>
9. **Comment on: “Effect of Nut Consumption on Erectile and Sexual Function in Healthy Males: A Secondary Outcome Analysis of the FERTINUTS Randomized Controlled Trial”.**
Vorland CJ, Golzarri-Arroyo L, *Brown AW*, Herbenick D, Allison DB. *PubPeer*. 2020 JAN 22: <https://pubpeer.com/publications/9237E3A78B6C44DA2D450AC53D1C10#1>.
10. **Comment on: “Intervention effects of a kindergarten-based health promotion programme on obesity related behavioural outcomes and BMI percentiles”.**
Vorland CJ, *Brown AW*, Kahathuduwa CN, Dawson JA, Gletsu-Miller N, Kyle TK, Thabane L, Allison DB. *PubPeer*. 2019 DEC 23: <https://pubpeer.com/publications/3F9C696A4855C9626FE7F805C2082C#1>.
11. **Comment on Incorrect Analysis in ‘Effectiveness of a Normative Nutrition Intervention in Chilean Pregnant Women on Maternal and Neonatal Outcomes: The CHiMINCs Study.’**
Golzarri-Arroyo L, *Brown AW*, Mayo-Wilson E, Vassar M, Oakes JM, Allison DB. *SSRN*. 2019 SEP 24: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3444433 (Note: SSRN removed the entry after our critique).
12. **Comment on: “Gum chewing while walking increases fat oxidation and energy expenditure”.**
Vorland CJ, Ejima K, *Brown AW*, Carter SJ, Heymsfield SB, Thomas DM, Allison DB. *PubPeer*. 2019 AUG 20: <https://pubpeer.com/publications/B0DCFB4BED4F85EE725788BEE6DACD#1>.

13. **Unsubstantiated conclusions in randomized controlled trial of binge eating program due to Differences in Nominal Significance (DINS) Error.**
Kroeger CM, **Brown AW**, Allison DB. *PubPeer*. 2018 NOV 04:
<https://pubpeer.com/publications/3596ABE0460E074A8FA5063606FFAB#1>
14. **The 3500 Kcal Rule is Invalid for Projections of Weight Change.**
Brown AW, Hall K, Heymsfield SB, Allison DB. *BMJ Open Diabetes Research & Care (Responses)*. 2018 SEP 11: <https://drc.bmj.com/content/6/1/e000511.responses#the-3500-kcal-rule-is-invalid-for-projections-of-weight-change>.

Invited Extramural Presentations

1. **The ways we think about processed foods: From precautionary principles to scientific rigor.**
Brown AW *The Table (National Restaurant Association)*. Austin, TX; 2024.
2. **Discussion on reverse-causality and plausibility concerns of the 2025 DGAC.**
Brown AW *IAFNS Cognitive Health Committee*. Online; 2024.
3. **Toward more rigorous and informative nutritional epidemiology.**
Brown AW *41st International Symposium on Diabetes and Nutrition*. Uppsala, Sweden; 2024.
4. **Hierarchy of Scientific Evidence.**
Brown AW *Nutrition 2024*. Chicago, IL; 2024.
5. **Mendelian Randomization**
Brown AW *Soy Nutrition Institute Global 2023 Fall Meeting*. St. Louis, MO; 2023-09-07.
6. **What are we talking about, anyway? Considerations for operationalizing and communicating nutrition research.**
Brown AW *USDA-ARS Beltsville Human Nutrition Research Center Seminar Series*. Webinar; 2023-05-16.
7. **Understanding and Interpreting Scientific Research: Reading Past the Headlines.**
Brown AW *From Publication to Dissemination: Examining the Best Ways to Translate and Communicate Scientific Research*. 2023. Webinar; 2023-02-22.
8. **Science Integrity in Research Methodology.**
Brown AW *Nutrition 2023*. Boston, MA; 2023.
9. **Scientific Rigor: Research in Sensitive Populations.**
Brown AW *CCC 2022 Annual Meeting and Educational Symposium*. Webinar; 2022-11-10.
10. **The Complexity of Research and News Headlines.**
Brown AW *International Food Information Council's "Navigating Nutrition Science in the Media: Translating Evidence to the Public"*. Webinar; 2022-10-26.
11. **Understanding statistical significance and how it applies to the cholesterol-lowering effects of soy protein.**
Brown AW *Soy Nutrition Institute Global 2022 Meeting*. Minneapolis, MN; 2022-08-31.

12. **Understanding the Science of Obesity.**
Brown AW Integrated Benefits Institute Purchaser Business Group on Health. Webinar; 2022-05-25.
13. **Issues with data and analyses: Errors, underlying themes, and potential solutions.**
Brown AW Department of Biostatistics, University of Arkansas for Medical Sciences. Virtual Seminar; 2021-04-09.
14. **Keynote – Strengthening and clarifying causal inference in childhood obesity research (and beyond).**
Brown AW Center for Childhood Obesity Prevention Investigator Work-in-Progress Meeting and External Advisory Committee Retreat. Arkansas Children’s Research Institute Virtual Event; 2021-04-06.
15. **Meta-Analysis.**
Brown AW Generating and Interpreting Evidence About Effects in Obesity Research: Reducing Error and Strengthening Inferences. Webinar; 2021-02-25.
16. **Headline vs Study (two sessions).**
Brown AW Indiana Physiological Society’s 10th Annual Meeting. Indianapolis, IN; 2020-03-07.
17. **Obesity Isn’t Simple: Identifying Complex, Evidence-based Strategies to Treat Obesity Seriously.**
Brown AW Nutrition Science Seminar. Purdue University, West Lafayette, IN; 2019-11-01.
18. **Promising and problematic hypotheses about obesity causes and cures.**
Brown AW IU Health Bariatric Symposium. Indianapolis, IN; 2019-09-06.
19. **People make mistakes: Normalizing error correction in the scientific literature.**
Brown AW Joint Statistical Meetings 2019. Denver, CO; 2019-07-30.
20. **Finding what works for weight in the workplace: existing data and future directions.**
Brown AW Indiana Workplace Wellness Partnership. Indianapolis, IN; 2019-02-08.
21. **Statistical and inferential issues in nutrition and obesity research: opportunities for quantitative reasoning.**
Brown AW University of Louisville, Department of Bioinformatics and Biostatistics. Louisville, KY; 2019-02-01.
22. **Incorporating Rigor, Reproducibility, and Transparency Into Aging Projects and Papers.**
Brown AW, Allison DB GSA 2018 Annual Scientific Meeting. Boston, MA; 2018-11-17.
23. **Obesity Isn’t Simple: Identifying Complex, Evidence-based Strategies to Treat Obesity Seriously.**
Brown AW, Bohan Brown MM ConAgra Food Science Institute Nutri-bites Webinars. Webinar; 2018-06-21.
24. **Myths, Presumptions, and Facts about Obesity.**
Brown AW Kentuckiana Health Collaborative Forum – Obesity Fatigue: The Myths, Facts, Treatments, Benefits Coverage, and Paths Forward. Louisville, KY; 2018-06-05.

25. **Myths, Presumptions, and Facts about Obesity: Where Might They Come From and What Can We Do?**
Brown AW Florida Food and Nutrition Symposium 2017. Ft. Lauderdale, FL, USA; 2017-07-16.
26. **Keynote – Dishing Up Data: Making Science More Digestible for the Public.**
Brown AW, Meyer M Sports, Cardiovascular and Wellness Nutrition (SCAN) Symposium 2017. Charlotte, NC, USA; 2017-04-02.
27. **Rigor and Reproducibility in Nutrition and Obesity Research.**
Brown AW University of Michigan. Ann Arbor, MI, USA; 2017-03-16.
28. **Moderator of panel discussion: Taxonomy of issues and challenges to improving research reproducibility.**
Brown AW National Academy of Sciences Sackler Colloquium – Reproducibility of Research: Issues and Proposed Remedies. Washington, DC; 2017-03-08.
29. **From microworkers to sampling techniques – challenges and benefits of alternative literature screening methods.**
Brown AW Obesity Week 2016. New Orleans, LA, USA; 2016-11-03.
30. **Reproducibility: A Tragedy of Errors.**
Allison DB, *Brown AW International Society for Medical Publication Professionals.* Webinar; 2016-10-26.
31. **Conflicting, conflicted, and incomplete narratives in nutrition and obesity research.**
Brown AW 2016 Building Healthy Lifestyles Conference – Nutrition: Fads, Facts & Fallacies. Tempe, AZ; 2016-03-18.
32. **Myths, Presumptions, and Facts about Obesity: Where might they come from and what we can do?**
Brown AW National Press Foundation – Obesity’s Toll: Get the Skinny on Fat. Phoenix, AZ; 2016-02-24.
33. **Conflicting, conflicted, and incomplete narratives in nutrition and obesity research.**
Brown AW Birmingham District Dietetic Association. Birmingham, AL; 2016-02-18.
34. **Conflicting, conflicted, and incomplete narratives in nutrition and obesity research.**
Brown AW Nutrition File Seminar 2016 – Nutrition Fact or Fiction: What is the Evidence. Calgary, AB, Canada; 2016-02-03.
35. **Conflicting, conflicted, and incomplete narratives in nutrition and obesity research.**
Brown AW Nutrition File Seminar 2016 – Nutrition Fact or Fiction: What is the Evidence. Edmonton, AB, Canada; 2016-02-02.
36. **Hot Off the Presses: Evaluating the Evidence Behind Today’s Nutrition Media Headlines.**
Brown AW, Sollid K Academy of Nutrition and Dietetics. Webinar; 2015-08-28.
37. **Lost in Translation: Science as a Second Language.**
Brown AW, Gaine C DC Metro Academy of Nutrition and Dietetics. Washington, DC, USA; 2015-04-10.

38. **In the Eye of the Beholder: Critical Evaluation of Nutrition Research.**
Brown AW ConAgra Food Science Institute Nutri-bites Webinars. Webinar; 2015-03-12.
39. **Distortion of Nutrition Research: Perpetuating Beliefs Beyond the Scientific Evidence.**
Brown AW Academy of Nutrition and Dietetics Board of Directors Retreat. Portland, OR, USA; 2014-07-23.
40. **Lost in Translation: Science as a Second Language – Perspectives of a ‘native speaker’.**
Brown AW International Food Information Council. Washington, DC, USA; 2014-05-13.
41. **Distortion of nutrition research: Reporting practices that may perpetuate beliefs beyond the scientific evidence.**
Brown AW ASN Scientific Sessions & Annual Meeting at Experimental Biology 2014. San Diego, CA, USA; 2014-04-27.
42. **Tips for High-Fidelity Science Reporting.**
Allison DB, *Brown AW National Press Foundation.* Webinar; 2014-03-18.
43. **Meal Frequency, Eating Patterns, and Weight.**
Allison DB, Lewis DW Jr, *Brown AW Eating Patterns and Disease: From Molecular and Cellular Mechanisms to Interventions.* Webinar; 2014-02-18.
44. **Recent initiatives to improve research reporting fidelity.**
Brown AW ILSI Annual Meeting. Southampton, Bermuda; 2014-01-20.
45. **Sound advice or biased reporting? Breakfast as a strategy to reduce or prevent obesity or weight gain.**
Brown AW, Bohan Brown MM, Allison DB 57th Annual Alabama Public Health Association Education Conference. Birmingham, AL, USA; 2013-04-04.
46. **Myths, Presumptions, and Facts about Obesity.**
Brown AW AHA EPI|NPAM: Hot Off the Press. New Orleans, LA; 2013-03-21.
47. **Phytosterols Decrease Cholesterol Absorption by Molecular Interactions in the Intestinal Lumen.**
Brown AW 103rd American Oil Chemist Society Meeting. Long Beach, CA, USA; 2012-05-01.
48. **Nutritional Aspects of Fats and Oils.**
Brown AW, Carr TP Danisco Margarine and Shortening Course. New Century, KS, USA; 2011-10-28.
49. **Mechanisms of decreased cholesterol absorption mediated by phytosterols.**
Brown AW . University of Alabama at Birmingham, Birmingham, AL, USA; 2010-11-18.

Extramural Meeting Abstracts

1. **Effects of a Physical Activity Intervention on Long-Term glycemic Trends in Pregnant Women with Obesity: A Continuous Glucose Monitoring (CGM) Pilot Study**
Jansen LT, Stewart S, Chung S, *Brown AW*, Cheak L, Jeffrey P, Andres A, Børsheim E. *Nutrition* 2024

2. **Biostatistics Core of the Center for Childhood Obesity Prevention.**
Brown AW [Presenting Author], Landes R, Chung S, Stewart S. *9th Biennial National IDEa Symposium of Biomedical Research Excellence (NISBRE) Conference, Washington, DC, 2024.*
3. **Effects of a Physical Activity Intervention on Long-Term glycemic Trends in Pregnant Women with Obesity: A Continuous Glucose Monitoring (CGM) Pilot Study**
Jansen LT, Stewart S, Chung S, *Brown AW*, Cheak L, Jeffrey P, Andres A, Børsheim E. *9th Biennial National IDEa Symposium of Biomedical Research Excellence (NISBRE) Conference, Washington, DC, 2024.*
4. **Non-invasive Monitoring of Partial Heart Transplants: Evaluation of Leaflet Length as Novel Echocardiographic Measure of Valve Growth.**
Nissen TE, Chung S, *Brown AW*, Rajab TK, Qasim A. *ASE 2024 Scientific Sessions Original Science Abstracts*
5. **“Healthy” Plant Diet Scores, Including Potatoes, and “Unhealthy” Plant Diet Scores, Including Potatoes, Were Both Sometimes Associated With Heart Disease Outcomes. [Oral Presentation]**
Jamshidi-Naeini J, Henschel B, Shikany J, Allison DB, *Brown AW*. *Current Developments in Nutrition, Volume 7, Supplement 1, July 2023, 101197*
6. **Application of Empirical P-Value Calibration in Nutrition Epidemiology: A Simulation Study With Time-to-Event Competing-Risk Outcomes. [Oral Presentation]**
Huo C, Chen X, Ejima K, *Brown AW* [Presenting Author]. *Current Developments in Nutrition, Volume 7, Supplement 1, July 2023, 101198*
7. **Continuity of Care in Arkansas Children’s Primary Care Clinics and Opportunity for Improvement.**
Darden PM, Patil S, Becton DD, Madden CA, Garbe MC, Kelley D, Curran K, Ochoa ER, Liu DS, *Brown AW*, Smith CE. *Pediatric Academic Societies Meeting, Washington, DC. May 1, 2023. Publication Number: 303.408.*
8. **Improving Access to the Medical Home in the US and Arkansas: 2019–2020 National Survey of Children’s Health.**
Becton DD, Garbe MC, Cardenas I, Smith CE, Curran K, Kelly D, *Brown AW*, Madden CA, Darden PM. *Southern Regional Meeting, New Orleans, LA, February 2, 2023. American Journal of the Medical Sciences, January, 2023;365(S1):S92(174). DOI: 10.1016/S0002-9629(23)00182-9*
9. **Continuity of Care in Arkansas Children’s Primary Care Clinics and Opportunity for Improvement.**
Darden PM, Garbe MC, Becton DD, Ochoa ER, Liu D, *Brown AW*, Curran K, Kelley D, Smith CE. *Southern Regional Meeting, New Orleans, LA, February 2, 2023. American Journal of the Medical Sciences, January, 2023;71:365(S1):S93(175). DOI: 10.1016/S0002-9629(23)00182-9*
10. **Infrequent and incomplete data and code sharing in Nathan Shock Center funded research in the last five years.**
Vorland CJ, Kramer AS, Hultquist JR, Escobar-Velasquez N, *Brown AW*. *University of Alabama at Birmingham Nathan Shock Center Annual Symposium; February 2023; Birmingham AL*

11. **Bias in Nutrition-Health Associations Is Not Eliminated by Excluding Extreme Reporters.**
Yamamoto N, Ejima K, Zoh R, *Brown AW* [Presenting Author]. *Obesity Week*. 2022.
12. **Signals of environmental sustainability and influence on food purchasing decisions by U.S. consumers.**
Wijayatunga NN, Change Y, *Brown AW*, Webster A, Sollid K, Bailey D. 2022 *Food & Nutrition Conference & Expo*
13. **Methodological Considerations in the Application of Multiverse Analyses for More Rigorous Inferences About Nutrition and Health.**
Vorland C, O'Connor L, Henschel B, Huo C, Shikany J, Ejima K, Bidulescu A, Brown A. *Current Developments in Nutrition, Volume 6, Issue Supplement_1, June 2022, Page 781*
14. **The role of parental acceptance on body esteem among US college students.**
Wang J, *Brown AW*, Luo J, Chow A. *American Academy of Health Behavior*. 2021.
15. **Semi-automated Screening for Improbable Randomization in PDFs. [Oral Presentation]**
Vorland CJ, Allison DB, *Brown AW*. *CRI-CONF 2021*
16. **Reporting Research on Murine Genetic Models of Obesity: Methods Development for a Systematic Survey.**
Vorland CJ, Zent C, Smith D, Allison DB, *Brown AW*. *ObesityWeek 2020*
17. **What Proportion of Planned Missing Data Is Allowed for Unbiased Estimates of the Association Between Energy Intake and Body Weight Using Multiple Imputation?**
Ejima K, Zoh R, Tekwe C, Allison DB, *Brown AW*. *Current Developments in Nutrition, Volume 4, Issue Supplement 2, June 2020, Page 1167*
18. **Traffic Light Diets Per Se Have Limited Evidence for Effectiveness on Childhood Obesity: A Review.**
Vorland C, Bohan Brown MM, Cardel M, *Brown AW*. *Current Developments in Nutrition, Volume 4, Issue Supplement 2, June 2020, Page 1697*
19. **Science Dialogue Mapping of Knowledge and Knowledge Gaps Related to the Effects of Dairy Intake on Human Cardiovascular Disease.**
Brown AW [Presenting Author], Kaiser KA, Keitt A, Allison DB. *Curr Dev Nutr*. 2019 Jun 13;3(Suppl 1, P13-002-19)
20. **Assessment of Type I Error Rates and Power of Common Analysis Methods in Murine Obesity-Related Study: 'Plasmode-Based' Simulation.**
Ejima K, *Brown AW*, Smith DL Jr, Beyaztas U, Allison DB. *Curr Dev Nutr*. 2019 Jun 13;3(Suppl 1, P13-011-19)
21. **A Quantitative Investigation of Differences in Mediterranean Diet Definitions in Nutrition Research.**
Lingle DW, Dickinson S, Vorland CJ, *Brown AW*. *Curr Dev Nutr*. 2019 Jun 13;3(Suppl 1, P13-026-19).
22. **The Effect of n-3 Polyunsaturated Fatty Acids on the components of Metabolic Syndrome, A Systematic Review and Meta-Analysis of Randomized Controlled Trials.**

Huo T, Yang C, Cardel MI, **Brown AW**, Gurka MJ. *Curr Dev Nutr.* 2019 Jun 13;3(Suppl 1, P08-037-19).

23. **Crowd-sourcing Structured Metadata to Improve Literature Search Efficiency.** [Oral Presentation]
Kaiser K, Sweeney H, **Brown AW**. *Cochrane Colloquium Edinburgh 2018*
24. **Use of an Open Science R Package (Rentrez) and PubMed Search Infrastructure to Detect P-hacking in Biomedical and Dietary Supplement Scientific Literature.**
Kroeger CM, **Brown AW**, Allison DB. *Nutrition 2018*
25. **A Comparison of Systematic Review Efficiency Between Obesity, Nutrition, Diabetes and CVD Topics.**
Capers PL, Bohan Brown MM, **Brown AW**, Kroeger CM, Gibson MJ, Kaiser KA. *Obesity Week. 2017.*
26. **Use of Text-mining and Comparative Analysis to Detect P-hacking in Dietary Supplement Scientific Literature.**
Kroeger CM, **Brown AW**, Allison DB. *The 5th Workshop on Biostatistics and Bioinformatics, Atlanta, GA.*
27. **Eating compared to skipping breakfast has no discernible benefit for obesity-related anthropometrics: systematic review and meta-analysis of randomized controlled trials.**
Bohan Brown MM, Milanes JE, Allison DB, **Brown AW**. *FASEB Journal.* 2017 Apr 1b363
28. **Evaluation of rapid crowdsourcing methods to identify obesity-related studies.**
Capers P, **Brown AW**, Thornton J, Kaiser KA, Goldsby T, Allison DB. *Obesity Week. 2016.*
29. **Simple text-mining methodology to detect comparative p-hacking is sensitive to text searching variations.**
Kroeger CM, **Brown AW**, Allison DB. *Obesity Week. 2016.*
30. **High Intensity Interval- Vs Moderate Intensity- Training for Improving Cardiometabolic Health In Overweight or Obese Males: A Randomized Controlled Trial.**
Fisher G, **Brown AW**, Bohan Brown MM, Alcorn A, Noles CD, Winwood L, Resuehr H, George B, Jeansonne MM, Allison DB. *Med Sci Sports Exerc.* 2016 May;48(5 Suppl 1):641-2.
31. **Method for Calculating Point Estimates and Standard Errors for Meta-Analysis from Reported Point Estimates, 95% Confidence Intervals, and P-Values.**
Brown AW [Presenting Author], Dawson JA. *FASEB Journal.* 2016;30:1154.32.
32. **Effect of breakfast eating versus breakfast skipping on obesity related anthropometry: a systematic review.**
Milanes JE, Allison DB, **Brown AW**, Bohan Brown MM. *FASEB Journal.* 2016 Apr;30(1 Supplement):1b394
33. **The Effect of Yogurt on Human Body Weight: A Systematic Review and Meta-Analysis of Randomized Experiments.**
Kaiser KA, Jeansonne MM, **Brown AW** [Presenting Author]. *FASEB Journal.* 2016;30:905.6.

34. **The body recognizes liquid calories: Systematic review and meta-analysis of the effect of solid versus liquid preloads on subsequent energy intake.**
Greenberg D, Rahn M, *Brown AW*, George BJ, Chung A, Allison DB. *Obesity Week*. 2015.
35. **No Significant Differences Between High vs. Moderate Intensity Training on Mood and Quality of Life.**
Neumeier WH, Alcorn A, Allison DB, Bohan Brown MM, *Brown AW*, Jeansonne MM, Noles C, Resuehr H, Winwood L, Fisher G. *American Psychological Association 2015 Annual Convention*
36. **Double Sampling with Multiple Imputation to Answer Large Sample Meta-Research Questions: Introduction and Illustration by Evaluating Adherence to Two Simple CONSORT Guidelines.**
Capers PL, *Brown AW*, Dawson JA, Allison DB. *FASEB Journal*. 2015;29:735.1.
37. **Quick Service Restaurant (Fast) Food and Obesity: A systematic review of human studies.**
Idigo AJ, *Brown AW*, Jeansonne MM, Kell KP, Allison DB. *FASEB Journal*. 2015;29:600.2.
38. **Evidence of p-value fiddling using a rapid, high-volume, systematic method.**
Kroeger CM, *Brown AW*, Allison DB. *Advances and Controversies in Clinical Nutrition*. 2014.
39. **How We Talk About People with Conditions: Trends Over Time Using Google Ngrams.**
Brown AW [Presenting Author]. *Obesity Week*. 2014.
40. **High Intensity vs Moderate Intensity Training to maximize the benefits of exercise for improving cardiometabolic health in overweight adolescent males: Preliminary results from the HIIT MAX randomized controlled trial.**
Fisher G, *Brown AW*, Bohan Brown MM, Alcorn Amy, Noles C, Winwood L, Resuehr H, Allison DB. *Obesity Week*. 2014.
41. **Using crowdsourcing to evaluate published scientific literature: Methods and example.** [Oral Presentation]
Brown AW [Presenting Author], Allison DB. *91st Annual Meeting of the Alabama Academy of Science, Auburn University, 2014-03-13*
42. **Are studies that agree with popular opinion cited more? Evaluating nutrition-obesity research using crowdsourcing.** [Oral Presentation]
Brown AW [Presenting Author], Allison DB. *Obesity Week*. 2013.
43. **Increased fruit and vegetable intake has no discernible effect on weight loss: a systematic review and meta-analysis.**
Kaiser KA, *Brown AW* [Presenting Author], Bohan Brown MM, Shikany JM, Mattes RD, Allison DB. *Obesity Week*. 2013.
44. **Treatment with taurine and vitamin E did not reverse fatty liver more than a chow diet in rats.**
Allen PS, *Brown AW* [Presenting Author], Bohan Brown MM, Beitz DC. *Evaluating Bioactive Food Components in Obesity and Cancer Prevention*. 2013.

45. **Investigating nutraceutical and pharmaceutical agents to prevent fatty liver in rats.**
Allen PS, **Brown AW**, Bohan Brown MM, Beitz DC. *Evaluating Bioactive Food Components in Obesity and Cancer Prevention*. 2013.
46. **Sound advice or biased reporting? Breakfast as a strategy to reduce or prevent obesity or weight gain.** [Oral Presentation]
Brown AW [Presenting Author], Bohan Brown MM, Allison DB. *FASEB Journal*. 2013;27:124.3.
47. **Hydrolysis of phytosterol esters in the intestine is required for their cholesterol lowering effects.**
Brown AW [Presenting Author], Carden TJ, Hang J, Dussault PH, Carr TP. *FASEB Journal*. 2011;25:587.7.
48. **Dietary phytosterol esters must be hydrolyzed for optimal reduction in cholesterol absorption.**
Carden TJ, **Brown AW**, Mielke M, Hang J, Dussault PH, Lee BH, Schlegel VL, Carr TP. *FASEB Journal*. 2011;25:582.11.
49. **Phytosterols and fatty acids, but not phytosterol esters, affect cholesterol micellarization in vitro.**
Brown AW [Presenting Author], Hang J, Dussault PH, Carr TP. *FASEB Journal*. 2010;24:541.19.
50. **Method for lipid and NDF analysis of ethanol byproduct feedstuffs.**
Bremer VR, Buckner CD, **Brown AW**, Carr TP, Diedrichsen RM, Erickson GE, Klopfenstein TJ. *Journal of Animal Science*. 2010;88:E-Suppl.3,263.
51. **Phytosterol ester substrate specificity of pancreatic cholesterol esterase.**
Brown AW [Presenting Author], Hang J, Dussault PH, Carr TP. *FASEB Journal*. 2009;23:722.15.
52. **Effects of diets naturally high or low in conjugated linoleic acid on measures of health in women.** [Oral Presentation]
Brown AW [Presenting Author], Trenkle A, Beitz DC. *FASEB Journal*. 2009;23:334.6.
53. **Effects of Splenda® Brand sweetener on plasma hormone and metabolite concentrations.**
Brown AW [Presenting Author], Bohan MM, Onken KL, Beitz DC. *FASEB Journal*. 2007;21:832.11.
54. **Effects of TNF α as a simulated stressor on adipose and liver tissues from rats fed varying diets.** [Oral Presentation]
Brown AW [Presenting Author], Bohan MM, Mehvar N, Trenkle A, Beitz DC. *FASEB Journal*. 2006;20:109.6.

Intramural Presentations (Not exhaustive)

1. **Scientific Rigor: Statistical, Inferential, and Philosophical Considerations.**
Brown AW ACRI Summer Science Lunch Lectures Series. Little Rock, AR; 2024.

2. **Say what you'll do and do what you say: principles of reproducible research.**
Brown AW CCOP Seminar Series. Little Rock, AR, USA; 2023-10-13.
3. **Scientific Rigor: Statistical, Inferential, and Philosophical Considerations.**
Brown AW ACRI Summer Science Lunch Lectures Series. Little Rock, AR; 2023.
4. **Normal and Not-So-Normal Analyses.**
Brown AW CCOP Seminar Series. Little Rock, AR, USA; 2022-10-27.
5. **Introductory Remarks: A Comedy of Errors.**
Allison DB, *Brown AW The Mathematical Sciences in Obesity: NIDDK Short Course.* Baltimore, MD; 2019-06-26.
6. **Post and Riposte: A Panel Discussion on Open Science, Repositories and Data Sharing in the Social Sciences.**
Brown AW, Hellwig T, Wittenberg J Workshop in Methods. Bloomington, IN; 2018-02-02.
7. **Incorporating rigor, reproducibility, and transparency into aging projects and papers.**
Allison DB, *Brown AW Nathan Shock Centers of Excellence in the Basic Biology of Aging.* Webinar; 2017-12-04.
8. **Procedural Elements: Trial Registration, Reporting Guidelines.**
Brown AW Third Short Course on Strengthening Causal Inference in Behavioral Obesity Research. University of Alabama at Birmingham; 2017-07-25.
9. **Limits II – Empirical: Evidence & Case Studies of Confirmation and Non-Confirmation of Observational Study-Generated Hypotheses.**
Brown AW Third Short Course on Strengthening Causal Inference in Behavioral Obesity Research. University of Alabama at Birmingham; 2017-07-24.
10. **Introductory Remarks: A Comedy of Errors.**
Allison DB, *Brown AW The Mathematical Sciences in Obesity: NIDDK Short Course.* University of Alabama at Birmingham; 2017-06-26.
11. **Procedural Elements: Trial Registration, Reporting Guidelines.**
Brown AW Second Short Course on Strengthening Causal Inference in Behavioral Obesity Research. University of Alabama at Birmingham; 2016-07-26.
12. **Limits II – Empirical: Evidence & Case Studies of Confirmation and Non-Confirmation of Observational Study-Generated Hypotheses.**
Brown AW Second Short Course on Strengthening Causal Inference in Behavioral Obesity Research. University of Alabama at Birmingham; 2016-07-25.
13. **Introductory Remarks: A Comedy of Errors.**
Allison DB, *Brown AW The Mathematical Sciences in Obesity: NIDDK Short Course.* University of Alabama at Birmingham; 2016-06-13.
14. **Limits II – Empirical: Evidence & Cases Studies of Confirmation and Non-Confirmation of Observational Study-Generated Hypotheses.**
Brown AW First Short Course on Strengthening Causal Inference in Behavioral Obesity Research. University of Alabama at Birmingham; 2015-07-20.

15. **Introductory Remarks: A Comedy of Errors.**
Allison DB, *Brown AW The Mathematical Sciences in Obesity: NIDDK Short Course.* University of Alabama at Birmingham; 2015-06-22.
16. **Improving the accuracy and specificity of estimates using cross-method comparisons, such as Double Sampling with Multiple Imputation.**
Brown AW Mathematics Colloquium: Open Problems in Obesity. UAB, Birmingham, AL, USA; 2015-02-27.
17. **Does Frequency or Timing of Eating Influence Childhood Obesity?**
Brown AW Intensive Course in Nutrition for Infants, Children, and Adolescents. Department of Pediatrics and Nutrition Sciences, UAB, Birmingham, AL, USA; 2015-02-24.
18. **The Science of Nutrition Science: Beliefs, evidence, and communication.**
Brown AW UAB Chapter of Sigma Xi Seminar Series. Birmingham, AL, USA; 2014-11-13.
19. **Using crowdsourcing to evaluate published scientific literature: Methods and example.**
Brown AW, Allison DB Postdoctoral Research Day. Birmingham, AL, USA; 2014-02-17.
20. **Are studies that agree with popular opinion cited more? Evaluating Nutrition Obesity Research Using Crowdsourcing.**
Brown AW NORC Trainee/Fellows Annual Conference. Birmingham, AL, USA; 2013-08-21.
21. **Sound advice or biased reporting? Breakfast as a strategy to reduce or prevent obesity or weight gain.**
Brown AW, Bohan Brown MM, Allison DB Postdoctoral Research Day. Birmingham, AL, USA; 2013-02-18.
22. **Breakfast and obesity: Another example of White Hat Bias?**
Brown AW, Bohan Brown MM, Allison DB NORC Trainee/Fellows Annual Conference. Birmingham, AL, USA; 2012-08-29.

Intramural Abstracts (Not exhaustive)

1. **Application of Empirical P-Value Calibration in Nutrition Epidemiology: A Simulation Study With Time-to-Event Competing-Risk Outcomes.**
Huo C, Chen X, Ejima K, *Brown AW* [Presenting Author]. *2023 AR Lifespan Conference, Little Rock, AR*
2. **Effects of Breakfast Consumption on Thinking and Memory Skills in Older Adults.** [Oral Presentation]
Messenger GG, Gottschild L, Hayden JC, *Brown AW*, Jamshidi-Naeini J. *IUSPHB Public Health Research Day 2022*
3. **Survey of data and code availability in aging studies funded by Nathan Shock Centers.** [Oral Presentation]
Hultquist J, Kramer A, *Brown AW*, Vorland CJ. *IUSPHB Public Health Research Day 2022*

4. **Automating the Extraction of Registration Statements from Scientific Papers.** *[Oral Presentation]*
Pipkin D, Mandema I, **Brown AW**, Vorland CJ. *IUSPHB Public Health Research Day 2021*
5. **Automating the Extraction of Registration Statements from Scientific Papers.** *[Oral Presentation]*
Mandema I, Pipkin D, **Brown AW**, Vorland CJ. *IUSPHB Public Health Research Day 2021*
6. **Does exclusion of extreme reporters of energy intake reliably make results less biased in nutrition studies?** *[Oral Presentation]*
Ejima K, **Brown AW**, Schoeller DA, Heymsfield SB, Nelson EJ, Allison DB. *IUSPHB Public Health Research Day 2019*
7. **The Effect of n-3 Polyunsaturated Fatty Acids on the components of Metabolic Syndrome, A Systematic Review and Meta-Analysis of Randomized Controlled Trials.**
Huo T, Yang C, Cardel MI, **Brown AW**, Gurka MJ. *University of Florida College of Medicine Research Day*
8. **The Effect of n-3 Polyunsaturated Fatty Acids on the components of Metabolic Syndrome, A Systematic Review and Meta-Analysis of Randomized Controlled Trials.**
Huo T, Yang C, Cardel MI, **Brown AW**, Gurka MJ. *University of Florida ICHP Research Day*
9. **Detection of P-hacking in Biomedical and Dietary Supplement Scientific Literature: Use of Open Science R Packages to Improve Reproducibility and Research Transparency.** *[Oral Presentation]*
Kroeger CM, **Brown AW**, Allison DB. *IUSPHB Public Health Research Day 2018*
10. **Quick Service Restaurant (Fast) Food and Obesity: A systematic review of human studies.** **Brown AW** [Presenting Author], Idigo AJ, Jeansonne MM, Kell KP, Allison DB. *UAB Public Health Research and Practice Day 2015.*
11. **Quantification of the Mediterranean Diet.**
Antoine LH, **Brown AW**, Allison DB. *UAB Public Health Research and Practice Day 2015.*
12. **So you think you want to do a systematic review? Lessons learned from the PROSPERO registry.**
Borah R, **Brown AW**, Capers PL, Kaiser KA. *UAB Public Health Research and Practice Day 2015.*
13. **How We Talk About People with Conditions: Trends Over Time Using Google Ngrams.** **Brown AW** [Presenting Author]. *UAB Diabetes Research Day*
14. **How We Talk About People with Conditions: Trends Over Time Using Google Ngrams.** **Brown AW** [Presenting Author]. *UAB Public Health Research Day 2014.*
15. **Sound advice or biased reporting? Breakfast as a strategy to reduce or prevent obesity or weight gain.** **Brown AW** [Presenting Author], Bohan Brown MM, Allison DB. *UAB Public Health Research Day 2013.*

HONORS AND AWARDS

Name	Awarding Group	Date
Mead Johnson Award	American Society for Nutrition	2020 May
Emerging Luminaries Grant Proposal Partnership Challenge	Indiana University School of Public Health – Bloomington	2020 Apr
Fellow	The Obesity Society	2018
Best Presentation – Faculty/Staff category	University of Alabama at Birmingham New Energetic Ideas for the New Year – 2016	2016 Jan
Creativity is a Decision Award	University of Alabama at Birmingham	2015 Aug
Dannon Institute Nutrition Leadership Institute	Dannon Institute	2015 Jun
Most Creative – Faculty/Staff category	University of Alabama at Birmingham New Energetic Ideas Round II	2014 Dec
Best Paper Award	The Science Unbound Foundation	2014 Aug
1st Place Oral Presentation	University of Alabama at Birmingham Postdoc Research Day	2014 Feb
1st Place: Nutritional Epidemiology Postdoc Poster Competition	American Society for Nutrition Nutritional Epidemiology Research Interest Section	2013 Apr
3rd Place: Invited Poster Session	Alabama Public Health Association	2013 Apr
1st Place Poster: Postdoc Division	University of Alabama at Birmingham Public Health Research Day	2013 Apr
2nd Place Oral Presentation	University of Alabama at Birmingham Postdoc Research Day	2013 Feb
Back of the Envelope Award	University of Alabama at Birmingham	2012 Dec
Creativity is a Decision Award	University of Alabama at Birmingham	2012 Aug
Honorable Mention: Folsom Distinguished Doctoral Dissertation Award	University of Nebraska-Lincoln	2012 Feb
David Kritchevsky Graduate Student Award	Nutrition Research	2011 Apr
Preparing Future Faculty Fellow	University of Nebraska-Lincoln	2010
Widaman Trust Distinguished Graduate Assistant Award	University of Nebraska-Lincoln	2009-2010
Outstanding Graduate Student Poster	University of Nebraska-Lincoln	2009 Apr
Othmer Fellowship	University of Nebraska-Lincoln	2008-2010
Honors and Distinction	Iowa State University	2007 May
Iowa State University Honors Program	Iowa State University	2003-2007
Academic Recognition Award	State of Iowa	2003-2006

Honor Society Memberships

Name	Induction
Golden Key International Honor Society	2004 Nov
National Society of Collegiate Scholars	2004 Nov
Alpha Lambda Delta Honor Society	2004 Apr
Phi Eta Sigma Honor Society	2004 Apr

SERVICE

Professional Societies

American Society for Nutrition	Member	2005+
Panel Chair, “Interpretation, Inference and Future Directions: A Panel Discussion on Observational Studies” – Nutrition 2024		2024
Mead Johnson Award reviewer		2023,2024
Panel Chair, “How Should Totality of Evidence Be Considered in Nutrition Recommendations?” – Nutrition 2023		2023
Member: Committee on Advocacy and Science Policy		2022-2025
Panelist: “2022 W.O. Atwater Lecture – Nutrition Information/Misinformation: Who’s Right? Who Gets to Decide?” – Nutrition 2022 Live Online		2022
Co-Chair and Co-Organizer of Session, “Computational Methods to Advance Rigor and Data Collection in Nutrition” at Nutrition 2022 Live Online.		2022
Chair: Public Information Committee		2021-2022
Ex-officio member: Committee on Advocacy and Science Policy		2021-2022
Co-Chair and Co-Organizer of Session, “Methodological Developments and Evaluations in Nutrition Science” at Nutrition 2021 Live Online.		2021
Nutrition Research Task Force		2020-2022
Member: Public Information Committee		2019-2021
Judge and Special Guest for Graduate Student Breakfast and Meet the Fellows event		2019
Lead Judge, ‘Methods and Protocols’ for the Emerging Leaders Poster Competition.		2019
Lead Judge, ‘Methods and Protocols’ for the Emerging Leaders Poster Competition.		2018
Co-Lead Judge for “Emerging Leaders in Nutrition Science Poster Competition” Obesity RIS at EB2017		2017
Co-organizer and Chair, “Obesity RIS Forum: How Much Evidence Should be Demonstrated before Enacting Obesity-Targeted Health Policy?”		2017
Scientific Program Committee		2016-2020
Chair of Session, “Obesity: Chronic Disease” at EB2016		2016
Panelist, “Time in the public eye: Maintaining credibility while using your voice”		2016

Co-Lead Judge for “Emerging Leaders in Nutrition Science Poster Competition” Obesity RIS at EB2016		2016
Chair-Elect, Chair, and Past-Chair: Obesity Research Interest Section		2015-2018
Co-Chair of Session, “Obesity: Gut Microbiome and Obesity” at EB2015		2015
Judge for “Emerging Leaders in Nutrition Science Poster Competition” at EB2015		2015
Representative at three roundtable discussions on “Enhancing Rigor and Reproducibility” for the Federation of American Societies for Experimental Biology.		2015
Experimental Biology 2015 Abstract Reviewer		2014
Organizer and Co-Chair of symposium, “Unscientific Beliefs about Scientific Topics in Nutrition” at EB2014		2014
The Obesity Society	Member	2012+
Chair: Ethics Committee		2023-2024
Co-Chair: Ethics Committee		2022-2023
Judge – Early Career Research Competition Lightning Talks – Obesity Week 2022		2022
Member: Ethics Committee		2021-2022
Panel Moderator TOS Early Career Academic Workshop: “Should I stay or should I go?”		2019
Fellow of The Obesity Society		2018+
Chair: Basic Science and Beer Lightning Talks 1 and 2		2018
Judge: TOS Early Career Lightning Talks		2018
Co-Chair of Session, “Method in the Madness: Innovative Methodologies in Population-based Obesity Research” at ObesityWeek 2017		2017
Roundtable leader in “Early Career Academic Workshop” at ObesityWeek 2017		2017
Chair (2 years), Past-Chair (1 year): Basic Science Section		2016-2019
Co-Chair of Session, “Candles to Calorimeters: Assessment of Thermogenesis Normality in Obesity” at ObesityWeek 2015		2015
Public Affairs Committee – Early Career Representative		2014-2016
American Public Health Association	Member	2015+
Ethics – Section Councilor		2015-2018
Sigma Xi	Member	2014+
American Association for the Advancement of Science	Member	2014+
American Statistical Association	Member	2016+
American Society for Biochemistry and Molecular Biology	Member	2006-2008
Alabama Academy of Science	Member	2014-2017
Gerontological Society of America	Member	2018-2019
Organizer and Chair, “Strengthening Aging Research: Experiences with Rigor, Reproducibility, and Transparency.”		2018

Publication Service

Editorial Service

Journal	Title	Year(s)
Journal of Nutrition	Statistical Review Board	2024+
American Journal of Clinical Nutrition	Statistical Review Board	2024+
Advances in Nutrition	Statistical Review Board	2024+
Current Developments in Nutrition	Statistical Review Board	2024+
International Journal of Obesity	Associate Editor	2023+
Frontiers in Aging – Aging, Metabolism, and Redox Biology	Review Editor	2021-2023
Frontiers in Nutrition Methodology	Review Editor	2014-2023

Ad Hoc Reviewer

Web of Science Peer-Review Profile (Formerly
Publons): <https://www.webofscience.com/wos/author/record/N-1826-2013>

Reviews (n) Journal

26 American Journal of Clinical Nutrition
15 Obesity
15 PLoS ONE
14 Advances in Nutrition
9 Obesity Reviews
7 International Journal of Obesity (not including AE handling)
7 Nutrients
7 Nutrition and Diabetes
5 Nutrition Research
5 The Journal of Nutrition
4 BMJ Nutrition, Prevention & Health
4 Frontiers in Nutrition
4 International Journal of Environmental Research and Public Health
3 BMC Medical Research Methodology
3 BMC Pediatrics
3 F1000Research
3 Public Health Nutrition
3 Scientific Reports
2 Annals of Human Biology
2 Biology Letters

- 2 BMC Public Health
- 2 Childhood Obesity
- 2 Evaluation Review
- 2 JMIR Medical Informatics
- 2 Journal of Health Care for the Poor and Underserved
- 2 Journal of Industrial Microbiology and Biotechnology
- 2 Palgrave Communications
- 2 Trials
- 1 Appetite
- 1 Biochemical Pharmacology
- 1 BMC Research Notes
- 1 BMJ
- 1 Clinical Obesity
- 1 Contemporary Clinical Trials
- 1 Current Developments in Nutrition
- 1 Food and Function
- 1 JAMA
- 1 Journal of Clinical Epidemiology
- 1 Journal of Medicinal Food
- 1 Journal of Nutrition Education and Behavior
- 1 Journal of Obesity
- 1 Lipids
- 1 Lipids in Health and Disease
- 1 Neuropsychiatric Disease and Treatment
- 1 Nutrition, Metabolism & Cardiovascular Diseases
- 1 Patient-Centered Outcomes Research Institute
- 1 Physiology & Behavior
- 1 Proceedings of the National Academy of Sciences
- 1 Systematic Reviews
- 1 The Journals of Gerontology: Series A Biological Sciences and Medical Sciences

Other External Service

Organization	Title	Year(s)
National Academies of Sciences, Engineering, and Medicine	Committee Member: “Review of Evidence on Alcohol and Health”	2024
National Academies of Sciences, Engineering, and Medicine	Reviewer: “Using Systematic Reviews to Support the Dietary Reference Intakes: A Letter Report”	2023

United States Military Academy at West Point	Promotion Reviewer	2023
International Food Information Council	Assembly Member	2020+
Egg Nutrition Council	Research Grant Reviewer	2020
Society for the Study of Ingestive Behavior	Early Career Virtual Meet the Scientist Event	2020
Pennington / Louisiana NORC	Pilot and Feasibility Program Reviewer	2019
Science Unbound Foundation	Best Paper Competition Reviewer	2016;2018
Obesity and Energetics Offerings	Deputy Editor	2016+
National Science Foundation	Graduate Research Fellowship Program Reviewer	2015
Federation of American Societies for Experimental Biology	FASEB Roundtable on Rigorous and Reproducible Research Using Mouse Models	2015
Federation of American Societies for Experimental Biology	FASEB Roundtable on Rigorous and Reproducible Research Using Antibodies	2015
Federation of American Societies for Experimental Biology	FASEB Roundtable on Rigorous and Reproducible Research: Community Stakeholders	2015
Obesity and Energetics Offerings	Co-Compiler	2012-2016

Intramural Service

Activity	Title	Year(s)
University of Arkansas for Medical Sciences/Arkansas Children's Research Institute		
TRI Collaborative Clinical and Translational Science Pilot Program	Reviewer	2024
Student Research Day	Judge	2023,2024
TRI Pilot Grants	Reviewer	2023
Research Informatics Steering Working Group	Member	2023
Population Health Stakeholders Working Group	Member	2023
Indiana University		
Post-Award Grant Management Ad-Hoc Committee	Member	2020-2021
Working Group to Establish PhD in Nutrition	Member	2020-2021
Public Health Research Day 2020 Organizing Committee	Member and Judge	2019-2020
IU Grant Linking University wide Expertise (GLUE grant)	Reviewer	2019
SPHB Grant Administrator position	Hiring committee member	2019

SPHB Public Health Research Day 2019 Poster Competition	Judge	2019
Grant Director/Grant Administrator hiring committee	Member	2019
Biostatistics Consulting Center hiring committee	Member	2019
Nathan Shock Center of Excellence in the Basic Biology of Aging	Co-leader of Comparative Data Analytics Core	2018-2022
Workshop in Methods	Advisory Board Member	2018-2022
SPHB Committee on Research	Member	2018-2019
SPHB Program Manager position	Hiring committee member	2018
Program Manager hiring committee	Member	2018
Nutrition Curricular Committee	Member	2017-2022
Indiana Healthy Weight Initiative	Representative for the School of Public Health	2017-2019
University of Alabama at Birmingham		
Postdoctoral Research Day	Judge	2017
Mastering the Art of Reproducible Science	Panelist	2017
Statistical Support and Teaching in the School of Health Professions Task Force	Member	2017
Graduate Student Research Day	Session Moderator	2015
Mock NIH Study Section for Trainees	Chair	2015
Statistician Search Committee	Member	2014
Summer Research Expo	Judge	2013
Graduate Biomedical Sciences Poster Session	Judge	2012-2013
SOPH/NORC Professional Development Workshop Committee	Co-chair of Grant writing workshop subcommittee	2012
University of Nebraska – Lincoln		
Graduate Student Association	Legislative Representative: Interdepartmental Nutrition Program	2010-2011
Graduate Student Association	Member: Academic Affairs committee	2010-2011
Iowa State University		
Graduate and Professional Student Senate	President	2006-2007
Special Student Fees and Tuition Committee	Voting member	2006-2007
President’s Advisory Committee on Budget and Planning		2006-2007
Recreation Facilities Study	Graduate Student Representative	2006-2007
Memorial Union Board of Directors	Member: Facilities Committee	2006-2007
Memorial Union Board of Directors	Member: Student Affairs Committee	2006-2007
VEISHEA Advisory Council		2006-2007

Executive Vice President and Provost Search Committee		2006
Ombuds Screening Committee		2006
Graduate and Professional Student Senate	Senator: Department of Biochemistry, Biophysics, and Molecular Biology	2005-2007
Biochemistry Graduate Student Organization		2005-2007
Graduate and Professional Student Senate	Chair: University Relations and Legislative Affairs	2005-2006
Government of the Student Body	Director of Graduate Affairs	2005-2006

TEACHING

Classroom Teaching

Course	Information	n	Date
Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494	Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.	24	2021 Fall
Advanced Nutrition I – Instructor of Record – SPH-N 430/530	Indiana University Bloomington This course covers the structure and function of the major energy-containing macronutrients and energy balance. Includes the lecture component of SPH-N 530 (the graduate version of the course, conducted by Dr. Gletsu-Miller).	19	2021 Fall
Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494	Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.	18	2021 Spring
Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494	Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.	42	2020 Fall
Advanced Nutrition I – Instructor of Record – SPH-N 430	Indiana University Bloomington This course covers the structure and function of the major energy-containing macronutrients and energy balance.	32	2020 Fall
Advanced Human Nutrition – Instructor of Record – SPH-N 530	Indiana University Bloomington This course covers the structure and function of the major energy-containing macronutrients and energy balance. Meets	2	2020 Fall

with SPH-N 430, with additional graduate component putting the lecture material into the context of recent literature.

<p>Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494</p>	<p>Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.</p>	<p>10 2020 Spring</p>
<p>Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494</p>	<p>Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.</p>	<p>15 2019 Fall</p>
<p>Nutrition in Sports – Instructor of Record – SPH-N 620</p>	<p>Indiana University Bloomington The role of nutrition in athletic performance, especially the effects of various nutrition practices during training, competition, and recovery. Current concepts and controversies.</p>	<p>5 2019 Fall</p>
<p>Medical Nutrition Therapy – Joint Instructor – SPH-N 431</p>	<p>Indiana University Bloomington Dietary modifications for therapy in metabolic and pathological disorders with allowance for cultural patterns.</p>	<p>17 2019 Spring</p>
<p>Nutrition to Support Performance and Prevent Chronic Disease – Instructor of Record – SPH-N 305</p>	<p>Indiana University Bloomington Basic knowledge of nutrition, physiology and fitness to improve health, support performance, and reduce risks for chronic disease.</p>	<p>9 2019 Spring</p>
<p>Research and Evaluation Methods in Health and Safety – Instructor of Record – SPH-H 494</p>	<p>Indiana University Bloomington This course deals with general concepts and foundations of measurement, evaluation, and research. Additionally the course covers major methods and techniques of research and evaluation.</p>	<p>24 2018 Fall</p>
<p>Nutrition to Support Performance and Prevent Chronic Disease – Instructor of Record – SPH-N 305</p>	<p>Indiana University Bloomington First time offered as N305. Basic knowledge of nutrition, physiology and fitness to improve health, support performance and reduce risks for chronic disease.</p>	<p>6 2018 Spring</p>
<p>Introduction to Statistics – Instructor – STAT 218</p>	<p>University of Nebraska-Lincoln Developed student’s basic statistical knowledge, including understanding of terminology, computational concepts, and research literacy, through a combination of lectures and activities designed to encourage both quantitative and qualitative comprehension of the uses of statistics.</p>	<p>43 2010 Fall</p>

<p>Physiological Chemistry – Teaching Assistant – BBMB 420</p>	<p>Iowa State University Assisted the teaching of biochemistry in a course designed for Veterinary Medicine and Health and Human Performance students by lecturing, grading, tutoring students, and designing and maintaining an online course supplement.</p>	<p>132</p>	<p>2007 Fall</p>
<p>Freshman Honor Program – Seminar Co-Leader – HON 302</p>	<p>Iowa State University Co-led educational and training activities for incoming Freshman Honor Program students.</p>	<p>10</p>	<p>2004 Fall</p>

Workshops and Short Courses

Course	Information	n	Date
<p>Eighth Short Course on Strengthening Causal Inference in Behavioral Obesity Research – Lead Coordinator</p>	<p>Arkansas Children’s Research Institute – Little Rock, AR Led the coordination of a week-long short course providing exposure to key fundamental principles underlying a broad array of causal inference techniques, experiences, principles, and techniques through guided discussion of real examples in obesity research. Supported by NIH/NHLBI.</p>	<p>19</p>	<p>2024 Summer</p>
<p>Ninth Short Course on The Mathematical Sciences in Obesity Research – Lead Coordinator</p>	<p>BIG10 Conference Center – Chicago, IL Led the coordination of a week-long short course on incorporating engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics in advancing our understanding of the causes, consequences, and alleviation of obesity. Supported by NIH/NIDDK.</p>	<p>17</p>	<p>2024 Summer</p>
<p>Eighth Short Course on The Mathematical Sciences in Obesity Research – Lead Coordinator</p>	<p>Indiana University – Bloomington Led the coordination of a week-long short course on incorporating engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics in advancing our understanding of the causes, consequences, and alleviation of obesity. Supported by NIH/NIDDK.</p>	<p>18</p>	<p>2023 Summer</p>
<p>Seventh Short Course on Strengthening Causal Inference in Behavioral Obesity Research – Lead Coordinator</p>	<p>Indiana University – Bloomington Led the coordination of a week-long short course providing exposure to key fundamental principles underlying a broad array of causal inference techniques, experiences, principles, and techniques through guided discussion of real examples in obesity research. Supported by NIH/NHLBI.</p>	<p>23</p>	<p>2023 Summer</p>
<p>Seventh Short Course on The Mathematical Sciences in Obesity</p>	<p>Virtual synchronous and asynchronous Led the coordination of a virtual-adapted short course involving 4 live Friday sessions with 3 weeks of asynchronous material on incorporating engineering,</p>	<p>35</p>	<p>2022 Summer</p>

Research – Lead Coordinator	statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics in advancing our understanding of the causes, consequences, and alleviation of obesity. Supported by NIH/NIDDK.	47 2022 Summer
Sixth Short Course on Strengthening Causal Inference in Behavioral Obesity Research – Lead Coordinator	Virtual synchronous and asynchronous Led the coordination of a virtual-adapted short course involving 4 live Friday sessions with 3 weeks of asynchronous material providing exposure to key fundamental principles underlying a broad array of causal inference techniques, experiences, principles, and techniques through guided discussion of real examples in obesity research. Supported by NIH/NHLBI.	47 2022 Summer
Fifth Short Course on Strengthening Causal Inference in Behavioral Obesity Research – Lead Coordinator	Virtual synchronous and asynchronous Led the coordination of a virtual-adapted short course involving 4 live Friday sessions with 3 weeks of asynchronous material providing exposure to key fundamental principles underlying a broad array of causal inference techniques, experiences, principles, and techniques through guided discussion of real examples in obesity research. Supported by NIH/NHLBI.	33 2021 Fall
Sixth Short Course on The Mathematical Sciences in Obesity Research – Lead Coordinator	Virtual synchronous and asynchronous Led the coordination of a virtual-adapted short course involving 4 live Friday sessions with 3 weeks of asynchronous material on incorporating engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics in advancing our understanding of the causes, consequences, and alleviation of obesity. Supported by NIH/NIDDK.	27 2021 Summer
Rigor, Reproducibility, and Transparency (RRT) at the Interdisciplinary Interface – Co-Coordinator	Indiana University Bloomington Co-coordinated a three-day event to convene a group of nationally and internationally renowned experts in rigor, reproducibility, and transparency. Supported in part by the Sloan Foundation.	25 2019 Fall
Fifth Short Course on The Mathematical Sciences in Obesity Research – Co-Coordinator	Baltimore, MD Co-coordinated a week-long short course on incorporating engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics in advancing our understanding of the causes, consequences, and alleviation of obesity. Supported by NIH/NIDDK.	25 2019 Summer
Fourth Short Course on Strengthening Causal Inference in Behavioral	Indiana University Bloomington Co-coordinated a week-long short course providing exposure to key fundamental principles underlying a broad	50 2019 Summer

Obesity Research – Co-Coordinator	array of causal inference techniques, experiences, principles, and techniques through guided discussion of real examples in obesity research. Supported by NIH/NHLBI.		
BIG DATA 2016: A Classroom Experience – Material Design and Support	University of Alabama at Birmingham Expanding the SEEC teacher professional development program for high school and advanced middle school teachers to understand the concepts underlying Big Data Science and to translate this knowledge into their classroom. Supported by NIH/OD.	10	2016 Fall
Workshop on Responsible Communication of Science – Co-Coordinator	University of Alabama at Birmingham Co-coordinated a day-long training event on the Responsible Communication of Science using the ‘Diamonds or Deceit’ case study from Iowa State University.	15	2015 Fall
Workshop on Research Ethics – Co-Coordinator	University of Alabama at Birmingham Co-coordinated a day-long training event on research ethics for Nutrition Obesity Research Center and Office of Energetics. Discussed local and federal aspects of research misconduct, and facilitated group participation in an interactive video exercise, The Research Clinic ,” hosted by the Office of Research Integrity.	25	2014 Summer
Responsible Conduct of Research Training – Co-Coordinator	University of Alabama at Birmingham Co-coordinated a day-long training event on the Responsible Conduct of Research for Nutrition Obesity Research Center trainees. Discussed local and federal aspects of research misconduct, and facilitated group participation in an interactive video exercise, “ The Lab ,” hosted by the Office of Research Integrity.	21	2013 Summer

Guest Lectures

Note: class size (n) may be approximate.

Course	Information	n	Date
2024 Summer Science Program – Guest Lecturer	Arkansas Children’s Research Institute Presented on “Scientific Rigor: Statistical, Inferential, and Philosophical Considerations”	21	2024 Summer
Evidence Based Medicine – Guest Lecturer	University of Arkansas for Medical Sciences Presented on “Hypothesis Testing and Research” for Physician Assistant students.	39	2023 Fall
2023 Summer Science Program – Guest Lecturer	Arkansas Children’s Research Institute Presented on “Scientific Rigor: Statistical, Inferential, and Philosophical Considerations”	21	2023 Summer

Methods for Public Health Research – Guest Lecturer – SPH-H 750	Indiana University Bloomington Discussed the importance of measurement in research under different contexts.	8	2021 Fall
Heroes, Villains and Kinesiology – Guest Contributor – SPH-K 450	Indiana University Bloomington Discussed basic bioenergetics of Captain America’s running speed. Online course.	NA	2021 Spring
Research Methods – Guest Lecturer – SPH-H 750	Indiana University Bloomington Discussed the importance of measurement in research under different contexts.	10	2020 Fall
Research Methods – Guest Lecturer – SPH-H 750	Indiana University Bloomington Discussed registering, designing, analyzing, and reporting randomized controlled trials.	15	2019 Fall
Human Sexuality – Guest Lecturer – SPH-F 255	Indiana University Bloomington Discussed basic overview of nutrition and obesity.	82	2019 Fall
Research Methods – Guest Lecturer – SPH-H 750	Indiana University Bloomington Discussed registering, designing, analyzing, and reporting randomized controlled trials.	5	2018 Fall
3rd Year Medical Students – Guest Lecturer	Indiana University Health Bloomington Discussed high-level overview of nutrition and obesity research.	8	2017 Fall
Gastrointestinal & Nutrition – Guest Lecturer	Indiana University School of Medicine – Bloomington Co-lectured on obesity and co-led obesity clinical case study discussion.	32	2017 Fall
Research Ethics Beyond Misconduct – Guest Lecturer	BioTeach, University of Alabama at Birmingham Lectured on research ethics beyond concepts of research misconduct to a group of high school science teachers.	8	2017 Summer
Energetics: Scientific Foundations of Obesity and Other Health Aspects – Guest Lecturer – HB706	University of Alabama at Birmingham Lectured on lipids	5	2016 Fall
Research Ethics Beyond Misconduct – Guest Lecturer	BioTeach, University of Alabama at Birmingham Lectured on research ethics beyond concepts of research misconduct to a group of high school science teachers.	12	2016 Summer
Fundamentals of Clinical Trials – Guest Lecturer – HB773	University of Alabama at Birmingham Lectured on Systematic Reviews and Meta-analyses	12	2016 Spring

Advanced Human Nutrition and Metabolism I – Guest Lecturer – NUTR 4510	Clemson University Lecture on sterols and lipid chemistry.	69	2015 Fall
Nutritional Methodology – Guest Lecturer – NUTR 8200	Clemson University Lecture on systematic reviews and meta-analysis.	5	2015 Spring
Nutritional Biochemistry – Guest Lecturer – NUTR 8200	Clemson University Lecture on sterols and lipid chemistry.	3	2014 Fall
New Directions in Human Nutrition – Guest Lecturer	Osher Lifelong Learning Institute, University of Nebraska-Lincoln Lectured on research and regulatory aspects of supplements and drugs.	29	2010 Fall
Advanced Nutrition – Guest Lecturer – NUTR 455	University of Nebraska-Lincoln Lecture on dietary and herbal supplements.	100	2010 Fall
Advanced Nutrition – Guest Lecturer – NUTR 455	University of Nebraska-Lincoln Lecture on dietary and herbal supplements.	100	2009 Fall
Advanced Nutrition – Guest Lecturer – NUTR 455	University of Nebraska-Lincoln Macro- and micro-minerals as they relate to nutrition and nutritional status.	100	2008 Fall

Mentoring

Mentee	Project	Dates
Postdocs		
Stella Lartey, PhD -Secondary Mentor	Rigor and reproducibility in nutrition and obesity research	2020-2021
Jasmine Jamshidi, PhD -Co-Mentor	Rigor and reproducibility in nutrition and obesity research	2020-
Colby Vorland, PhD -Co-Mentor	Meta-research in nutrition and obesity research	2019-2022
Daniella Chusyd, PhD -Secondary Mentor	Energetics of aging	2018-2021
Cynthia Kroeger, PhD -Secondary Mentor	Rigor and reproducibility in nutrition research	2015-2018
Keisuke Ejima, PhD -Secondary Mentor	Statistical properties of quantitative methods in obesity	2014-2019
Graduate Students		

Jingyi Wang -Member of Academic Committee	Adolescent body satisfaction	2020-2022
Yilin Yang -Co-Mentor for MS	Effects of replacing SOFAS with avocado on cardiometabolic health	2020-2021
Velarie Ansu -Mentoring team member	Magnesium pharmacokinetics	2019-2021
Luis Mestre -Mentoring team member	Epidemiology of obesity	2018-2022
Daniel Lingle -Primary Mentor for MS degree		2018-2021
John Davis, IV -Member of Academic Committee		2018-
Romain Debru -International internship	Evaluating the rigor of reporting murine genetic modification obesity research.	2017
Mary Latimer -NORC Mentoring Team, and Dissertation Committee	Establishing the role miRNAs play in muscle during methionine restriction.	2016-2018
Adeniyi Jeremiah Idigo	Quick service restaurants and obesity: systematic review and meta-analysis.	2014-2015
Ann Laszczyk -Rotating student	Insulin sensitivity in liver in rodent Burn/CLP model.	2012
Undergraduate Students		
Hannah Wilson -Undergraduate researcher	Reporting and characterization of energetics balance in nutrition textbooks	2021-
Vrushabh Ulhaskumar -Undergraduate researcher	Reporting and characterization of energetics balance in nutrition textbooks	2021-
Sarah Eperjesi -Undergraduate researcher	Reporting quality in murine genetic models of obesity	2020-
Izzy Mandema -Undergraduate honors student	Automated extraction of registration and data sharing statements in publications	2020-
Darien Pipkin -Undergraduate honors student	Automated extraction of registration and data sharing statements in publications	2020-
Kevin Walters -Undergraduate researcher	P-hacking in the dietary supplement literature	2018-2019
Chris Zent -Undergraduate researcher	Reporting quality in murine genetic models of obesity	2018-2019
Rohit Borah -Honors Thesis Committee	PROSPERO review; Animated Vignettes	2015-2017
Joseph Thornton	Research integrity project: best nutrition papers tournament	2015
Rebecca Nitzel	Intestinal lipid composition after phytosterol consumption.	2010-2011

Paige Lundy -UCARE student	Cholesterol solubility in micelles.	2009-2010
Aaron Brandt	Cholesterol solubility in micelles.	2009
Kate Wolford -UCARE student	Cholesterol solubility in micelles.	2008
Christopher Ferrel	Substrate specificity for cholesterol esterase.	2008
Maria Fabiosa	Effects of CLA from natural sources on health in humans.	2007
Kristine Onken -WISE intern	Sucralose and ghrelin.	2006-2007
Mallory Breuker -Freshman Honors Program	Effects of CLA from natural sources on health in humans.	2006
Chris Baudy -Carver Intern	CLA in beef preparation and storage.	2006
High School Students		
Alexia Bowen -Summer Science Institute	High-intensity interval training vs continuous moderate exercise (HIIT Max study).	2013

FUNDING

Current funding (by end date)

Expanding Translational Research in Arkansas.

NIH/NCATS UL1TR003107 (James). Role: **Biostatistician**.
2024-07-01 – 2031-06-01. Total Budget: \$26,986,629.

Arkansas Center for Food Allergy Research (ArCOFAR)

NIH U01 (Jones). Role: **Biostatistician**.
2024-03-01 – 2031-02-28. Total Budget: \$2,799,337.

Calcineurin Control over Aspergillus fumigatus Antifungal Response Mechanisms

NIH R01AI179593 (Juvvadi/Steinbach). Role: **Biostatistician**.
2024-06-15 – 2029-05-31. Total Budget: \$2,585,155.

Next Generation Treatments for Lymphatic Malformations

NIH R01 (Strub). Role: **Biostatistician**.
2024-04-01 – 2029-03-01. Total Budget: \$3,246,148.

Identifying markers of abnormal neurocognitive trajectories during chemotherapy treatment of childhood acute lymphoblastic leukemia.

NIH/NCI R01 CA266135 (van der Plas). Role: **Biostatistician**.
2022-09-01 – 2027-08-01. Total Budget: \$3,032,815.

SCISIPBIO: Maximizing the Value of Sex-Inclusive Research Policies through Analytical Rigor

NSF/NIH SCISIPBIO (*Brown* [Maney/Vorland for NIH component]). Role: **Principal Investigator**.
2023-05-01 – 2027-04-30. Total Budget: \$264,424.

Center for Childhood Obesity Prevention

NIH/NIGMS P20GM109096 (Weber). Role: **Biostatistics Core Director**.

2021-08-01 – 2026-07-31. Total Budget: \$11,520,856.

The Impact of Skin Disease on Self-Reported Quality of Life and Psychosocial Health in Youth with Cutaneous Lupus Erythematosus

Childhood Arthritis and Rheumatology Research Alliance (Theisen). Role: **Biostatistician**.

2024-07-01 – 2026-06-30. Total Budget: \$49,998.

Computational Methods, Resources, and Tools to Assess Transparency and Rigor of Randomized Clinical Trials

NIH/NLM R01LM014079 (Kilicoglu/Mayo-Wilson). Role: **Co-I**.

2022-07-01 – 2026-03-31. Total Budget: \$1,328,502.

Strengthening Causal Inference in Behavioral Obesity Research.

NIH/NHLBI R25HL124208 renewal (Allison/*Brown*/Fontaine). Role: **Multi-PI**.

2020-07-01 – 2025-06-30. Total Budget: \$846,016.

Comparative Bioenergetics of Aging. Renewal of a P30 Nathan Shock Center grant for the study of the basic biology of aging

NIH/NIA P30AG050886 renewal (Austad). Role: **Co-I (stepped down June 2022)**.

2020-07-01 – 2025-06-30. Total Budget: \$5,581,425.

Nathan Shock Centers Coordinating Center (NSC3) renewal

NIH/NIA U24AG056053 renewal (Lederman/Austad (Allison for Sub-Award)). Role: **Co-Investigator of Sub-award (stepped down June 2022)**.

2020-07-01 – 2025-06-30. Total Budget: \$2,077,234.

Removing barriers to better data practices through capacity, opportunity, and motivation

NIH/NIGMS R25GM141507 (*Brown*). Role: **Principal Investigator**.

2021-07-01 – 2025-06-30. Total Budget: \$268,756.

Racial and Skin pigment-related Disparities in Pulse Oximetry in Critically ill Infants

ACRI Lyon Award (Sharma). Role: **Biostatistician**.

2023-07-01 – 2025-06-30. Total Budget: \$75,000.

Beyond Race: Objectively assessed skin color and its association with pulse oximeter bias in critically ill infants.

UAMS TRI (Sharma). Role: **Biostatistician**.

2023-07-01 – 2025-06-30. Total Budget: \$50,000.

The Mathematical Sciences in Obesity Research.

NIH/NIDDK R25DK099080 renewal (Allison/*Brown*/Thomas). Role: **Multi-PI**.

2020-04-01 – 2025-03-31. Total Budget: \$540,000.

Past funding (by end date)

Expanding Translational Research in Arkansas.

NIH/NCATS UL1TR003107 (James). Role: **Biostatistician**.

2019-07-01 – 2024-06-01. Total Budget: \$20,565,730.

Potato Consumption and Risk of Colorectal Cancer

Alliance for Potato Research & Education (Allison). Role: **(Recused Self)**.

2022-01-01 – 2023-06-30. Total Budget: \$154,000.

Daily egg consumption and cognitive function in older adults.

American Egg Board Invited Proposal from LOI (*Brown*). Role: **Principal Investigator**.
2020-09-01 – 2023-02-10. Total Budget: \$284,786.

A Randomized, Controlled, Double-blind, Crossover Study to Examine the Metabolic Effects of Replacing Energy from Solid Fats and Added Sugars (SoFAS) with Avocado in Men and Women with Elevated Triglycerides.

Hass Avocado Board Subaward (Gletsu Miller). Role: **Co-I**.
2021-02-01 – 2022-12-22. Total Budget: \$318,444.

Good Plants, Bad Plants: Potatoes and Cardiometabolic Disease.

Alliance for Potato Research & Education Invited Proposal from LOI (*Brown/Allison*).
Role: **Corresponding PI**.
2020-04-01 – 2022-09-30. Total Budget: \$150,000.

Moving beyond single analyses for more rigorous inferences about beef intake and cardiovascular health

National Cattlemen’s Beef Association (*Brown*). Role: **Principal Investigator**.
2019-10-01 – 2022-05-31. Total Budget: \$149,838.

Proposal for Support of Rigor, Reproducibility, and Transparency (RRT) Initiative

Gordon and Betty Moore Foundation (Allison). Role: **Other Personnel**.
2019-06-27 – 2021-09-01. Total Budget: \$177,500.

Conducting High-Quality Clinical Nutrition Trials with a Research Metabolic Kitchen

Indiana CTSI Research Equipment Fund (Gletsu Miller). Role: **Co-PI**.
2020-06-03 – 2021-03-22. Total Budget: \$71,593.

Comparative Energetics and Aging. A P30 Nathan Shock Center grant for the study of the basic biology of aging

NIH/NIA P30AG050886 (Austad). Role: **Co-I**.
2015-07-15 – 2020-06-30. Total Budget: \$2,534,480.

Strengthening Causal Inference in Behavioral Obesity Research.

NIH/NHLBI R25HL124208 (Allison/Fontaine). Role: **Co-I**.
2014-07-01 – 2020-06-30. Total Budget: \$1,001,908.

Toward more rigorous and informative nutritional epidemiology.

National Cattlemen’s Beef Association Proposal (Allison). Role: **Key Personnel**.
2019-12-05 – 2020-06-30. Total Budget: \$25,200.

Automated data enhancement of the DARPA SCORE Dataset.

Center for Open Science (Vorland). Role: **Co-I**.
2020-04-01 – 2020-06-30. Total Budget: \$15,100.

Energetics, Disparities, & Lifespan: A Unified Hypothesis

NIH/NIA R01AG043972 (Allison). Role: **Co-I**.
2012-09-15 – 2020-05-31. Total Budget: \$8,000,501.

Nathan Shock Centers Coordinating Center (NSC3)

NIH/NIA U24AG056053 (Lederman/Austad (Allison for Sub-Award)). Role: **Co-I of Sub-award**.
2017-04-01 – 2020-03-31. Total Budget: \$1,050,000.

Rigor, Reproducibility, and Transparency at the Interdisciplinary Interface

Sloan Foundation (Allison). Role: **Other Significant Contributor**.
2019-04-01 – 2020-03-31. Total Budget: \$19,960.

The Mathematical Sciences in Obesity Research.

NIH/NIDDK R25DK099080 (Allison/Thomas). Role: **Co-I**.

2013-07-01 – 2019-06-30. Total Budget: \$543,995.

Science Dialogue Mapping of Knowledge and Knowledge Gaps Related to the Effects of Dairy Intake on Human Health.

Dairy Management, Inc. (*Brown*). Role: **Principal Investigator**.

2018-01-01 – 2019-06-30. Total Budget: \$75,344.

Beyond textbook, yet simple, statistical tools for reproducible animal research

NIH/NIGMS-NIA-NINDS R25GM116167 (Allison/*Brown*). Role: **Multi-PI**.

2015-09-10 – 2018-08-31. Total Budget: \$149,958.

Sex Differences Supplement to Comparative Energetics and Aging. A P30 Nathan Shock Center grant for the study of the basic biology of aging

NIH/NIA P30AG050886-02S1 (Austad). Role: **Co-I**.

2016-06-01 – 2018-06-30. Total Budget: \$99,904.

Murine Rigor Supplement – UAB Nutrition Obesity Research Center Administrative Supplement.

NIH/NIDDK 3P30DK056336-15S1 (Allison). Role: **Co-I**.

2016-06-01 – 2018-05-31. Total Budget: \$100,000.

Lunar iDXA.

Indiana CTSI (Bloomington) Research Equipment Fund (Koceja). Role: **Primary user**.

2018-02-01 – 2018-02-01. Total Budget: \$110,000.

Science Dialogue Mapping of Knowledge and Knowledge Gaps Related to the Effects of Dairy Intake on Human Health.

Dairy Management, Inc. (Allison). Role: **Co-I**.

2016-06-01 – 2017-12-31. Total Budget: \$174,656.

UAB Nutrition Obesity Research Center.

NIH/NIDDK P30DK056336 (Allison). Role: **Core Personnel**.

2014-06-01 – 2017-09-30.

Big Data Hands on Education Supplement to Science Education Enabling Careers (SEEC)

NIH/OD R25OD016490-03S1 (Wyss). Role: **Other Personnel**.

2016-07-10 – 2017-02-28. Total Budget: \$125,999.

Systematic Review and Meta-analysis of the effects of food form of preloads on objective subsequent energy intake.

PepsiCo Inc. (Allison). Role: **Key Personnel**.

2015-11-20 – 2016-12-30. Total Budget: \$65,000.

Crowdsourcing extraction of study characteristics – UAB Nutrition Obesity Research Center Administrative Supplement.

NIH/NIDDK P30 DK056336-13S1 (Allison). Role: **Investigator**.

2014-06-01 – 2015-05-31. Total Budget: \$97,149.

UAB Exercise Study

Coca-Cola Foundation (David Allison). Role: **Postdoc Fellow**.

2012-07-26 – 2015-04-27. Total Budget: \$300,000.

Miscommunicating obesity science: extrapolating results beyond model limitations
UAB NORC Early Career Study Award (*Brown*). Role: **Principal Investigator**.
2013-06-14 – 2014-12-31. Total Budget: \$25,000.

UAB Obesity Training Program
NIH/NIDDK T32 DK062710-07 (Allison). Role: **Trainee**.
2011-06-01 – 2014-05-31. Total Budget: \$964,726.

Submitted for funding (by start date)

Arkansas ECHO ISPCTN Site Renewal
NIH UG1 (Perry). Role: **Biostatistician**.
2025-09-01 – 2030-08-31. Total Budget: \$2,310,000.

Soy protein diet mitigates obesity-associated liver inflammation by increasing colon lipopolysaccharide-binding protein secretion
NIH R21 (Li). Role: **Co-Investigator**.
2025-07-01 – 2028-06-30. Total Budget: \$577,500.

Protective Effect of Different Levels of Dietary Soy Protein on Obesity Induced Non-Alcoholic Fatty Liver Disease (NAFLD) by Reducing Lipopolysaccharide (LPS) Translocation and Inflammation
USDA NIFA-AFRI (Li). Role: **Co-I**.
2025-06-01 – 2027-05-30. Total Budget: \$300,000.

Optimizing Whole Human Brain Preservation for Ultra-High-Resolution, Ex-Vivo Neuroimaging
NIH R21 (Koscik). Role: **Biostatistician**.
2025-04-01 – 2027-03-01. Total Budget: \$430,595.

CBFA2T3-GLIS2-Driven Epigenetic Rewiring in Pediatric Acute Myeloid Leukemia
NIH R01 (Roy Choudhury). Role: **Biostatistician**.
2025-04-01 – 2030-03-01. Total Budget: \$2,781,048.

Targeting the Perivascular Microenvironment of Extracranial Arteriovenous Malformations
DoD (Mehdi). Role: **Biostatistician**.
2025-04-01 – 2027-03-31. Total Budget: \$420,260.

Targeting the Perivascular Microenvironment of Extracranial Arteriovenous Malformations
NIH R21 (Mehdi). Role: **Biostatistician**.
2024-12-01 – 2026-11-30. Total Budget: \$419,990.

Partial Heart Transplantation: Clinically Relevant Aspects of Transplant Biology
NIH R01 (Rajab). Role: **Biostatistician**.
2024-12-01 – 2029-11-30. Total Budget: \$3,846,945.

Identification of Maternal Inflammatory and Early Neurophysiologic Precursors to Language Delays in Children with Single Ventricle Physiology
Additional Ventures Single Ventricle Fund (Johnson). Role: **Biostatistician**.
2024-09-01 – 2027-08-31. Total Budget: \$657,981.

An Implementation Science Approach to a Multi-Component, Integrated CVD Risk Reduction Strategy in Children – The Healthy Arkansas Kids (HARK) Study
NIH P01 (Weber/Swindle). Role: **Co-Investigator**.
2024-07-01 – 2029-06-30. Total Budget: \$13,345,556.

Multifactorial Asthma Determinants in Underresourced Pediatric Populations

NIH K23 (Jefferson). Role: **Biostatistician**.

2024-07-01 – 2028-06-30. Total Budget: \$662,409.

PROPEL: Probing Early Patterns Enabling Language

NIH R01 (Johnson). Role: **Biostatistician**.

2024-04-01 – 2030-03-31. Total Budget: \$3,114,700.

Implementing a Guidelines-Based M-Health Intervention for High Risk Asthma Patients

NIH/NINR R01NR015988 (Perry). Role: **Biostatistician (Joined 2024 to take over biostatistical support)**.

2018-07-01 – 2025-02-28. Total Budget: \$3,130,883.