

Curriculum Vitae
Jeannine C. Lawrence, Ph.D., R.D/N

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Education

- 2006 **Ph.D. - Nutrition Science**, The University of Alabama at Birmingham
- 1999 **M.S. – Clinical Nutrition**, The University of Alabama at Birmingham
- 1998 **R.D./N. – Dietetic Internship**, The University of Alabama at Birmingham
- 1997 **B.S. – Dietetics**, The Florida State University

Professional Experience

- 2021- **Professor**, Department of Human Nutrition and Hospitality Management,
College of Human Environmental Sciences, The University of Alabama,
Tuscaloosa, AL
- 2019- **Senior Associate Dean**, College of Human Environmental Sciences, The
University of Alabama, Tuscaloosa, AL
- 2019-2024 **Associate Dean of Research**, College of Human Environmental Sciences, The
University of Alabama, Tuscaloosa, AL
- 2023-2025 **Interim Chair**, Department of Human Nutrition, Hospitality and Sport
Management, College of Human Environmental Sciences, The University of
Alabama, Tuscaloosa, AL
- 2022 (Fall) **Interim Chair**, Department of Clothing, Textiles, and Interior Design, College of
Human Environmental Sciences, The University of Alabama, Tuscaloosa, AL
- 2018-2019 **Interim Associate Dean of Research**, College of Human Environmental
Sciences, The University of Alabama, Tuscaloosa, AL
- 2017-2018 **Assistant Dean of Students**, College of Human Environmental Sciences, The
University of Alabama, Tuscaloosa, AL
- 2014-2019 **Chair**, Department of Human Nutrition and Hospitality
Management, College of Human Environmental Sciences, The University of
Alabama, Tuscaloosa, AL

- 2013-2021 **Associate Professor**, Department of Human Nutrition and Hospitality Management, College of Human Environmental Sciences, The University of Alabama, Tuscaloosa, AL
- 2007-2013 **Assistant Professor**, Department of Human Nutrition and Hospitality Management, College of Human Environmental Sciences, The University of Alabama, Tuscaloosa, AL
- 2006-2007 **Postdoctoral Scholar**, Division of Physiology and Metabolism, Department of Nutrition Sciences, The University of Alabama at Birmingham, Birmingham, AL
- 1999-2006 **Nutrition Research Fellow**, Pittman General Clinical Research Center The University of Alabama at Birmingham, Birmingham, AL
- 2003-2004 **Adjunct Faculty**, UAB School of Dentistry, Birmingham, AL
Graduate course taught: Dental Nutrition
- 2002-2003 **Teaching Assistant**, UAB School of Dentistry, Birmingham, AL
Graduate course: Dental Nutrition
- 2001-2002 **Adjunct Faculty**, Department of Family and Consumer Education Samford University, Birmingham, AL
Undergraduate courses taught: Nutritional Biochemistry, Personal Nutrition
- 1999-2003 **Graduate Assistant**, Division of Physiology and Metabolism, Department of Nutrition Sciences, University of Alabama at Birmingham, Birmingham, AL
- 1998-1999 **Nutrition Research Trainee**, Pittman General Clinical Research Center The University of Alabama at Birmingham, Birmingham, AL

Peer-reviewed Publications
(*denotes student-mentored project)

39. *Zhang Y, Kong L, **Lawrence JC**, Tan L. (2024). Utilization of biopolymer-based lutein emulsion as an effective delivery system to improve lutein bioavailability in neonatal rats. *Nutrients*. 2024;16(3):422. <https://doi.org/10.3390/nu16030422>
38. Jung SE, Shin YH, Wilson S, Im JY, Kim H, **Lawrence JC**. The silent generation's underlying beliefs regarding Plant-Based Meat Alternatives (PBMA) and factors influencing their intention to choose a dish featuring PBMA at a restaurant. *J Hunger Environ Nutr*. 2024;1-18. <https://doi.org/10.1080/19320248.2024.2350536>
37. Brantley C*, Knol LL, Douglas JW, Hernandez-Reif M, **Lawrence JC**, Wind SA. Feeding stressors and resources used by caregivers of children with Down syndrome: A qualitative

analysis. *J Acad Nutr Diet*. 2023;123(12),1713-1728.
<https://doi.org/10.1016/j.jand.2023.07.002>

36. Ferguson CC*, Jung SE, **Lawrence JC**, Douglas JW, Halli-Tierney A, Bui C, Ellis AE. A qualitative analysis of experiences with food-related activities among people living with Parkinson disease and their care-partners. *J Appl Gerontol*. 2023;42(1),131-140.
<https://doi.org/10.1177/07334648221118358>
35. Ferguson CC*, Jung SE, **Lawrence JC**, Douglas JW, Halli-Tierney A, Bui C, Ellis AE. A mixed methods exploration of the impact of the COVID-19 pandemic on food-related activities and diet quality in people with Parkinson disease. *Int. J. Environ. Res. Public Health*. 2022;19(18),11741. <https://doi.org/10.3390/ijerph191811741>
34. Lennon SL, Kazaks A, McDermid JM, Murphy M, **Lawrence JC**, Proaño GV. An update to scientific decision making: The Academy of Nutrition and Dietetics' scientific integrity principles. *J Acad Nutr Dietetics*. 2022:S2212-2672(22)00930-3.
<https://doi.org/10.1016/j.jand.2022.08.124>
33. Knol LL, **Lawrence JC**, d la O R. Eat like a chef: A mindful eating intervention for healthcare providers. *J Nutr Educ and Behav*. 2020;52(7):719-725.
<https://doi.org/10.1016/j.jneb.2020.02.024>
32. Douglas JW*, **Lawrence JC**, Turner LW, Knol LL, Ellis AC. Nutrition provider isolation is related to increased preference for enteral nutrition support in patients with advanced dementia. *Nutr Clin Practice*. 2020;35(4):675-679. <https://doi.org/10.1002/ncp.10453>
31. Jung SE, **Lawrence JC**, Hermann J, McMahon A. Application of the theory of planned behavior to predict nutrition students' intention to work with older adults. *J Nutr Gerontol Geriatr*. 2020;39(1):44-55. <https://doi.org/10.1080/21551197.2019.1664967>
30. Henderson C, **Lawrence JC**, Douglas CC. Knowledge of menarche among health professions students. *Health Educ J*. 2019;79(4):446-457.
<https://doi.org/10.1177/0017896919888546>
29. Douglas JW*, **Lawrence JC**, Turner LW, Knol LL, Ellis AC. Practitioner knowledge, personal values, and work setting influence registered dietitians' feeding tube recommendations for patients with advanced dementia. *Nutr Clin Practice*. 2019.
<https://doi.org/10.1002/ncp.10255>
28. **Lawrence JC**, Knol, LL, Clem J, Henson CS, Streiffer RH. Integration of interprofessional education (IPE) core competencies into healthcare education: IPE meets culinary medicine. *J Nutr Educ and Behav*. 2019;51(4):510-512. <https://doi.org/10.1016/j.jneb.2019.01.013>
27. Douglas JW*, Turner LW, Knol LL, Ellis AC, Godfrey AC, **Lawrence JC**. The attitudes toward tube-feeding in advanced dementia (ATT-FAD) questionnaire: A valid and reliable

- tool. *J Nutr Gerontol Geriatr*. 2018;37:3-4, 183-203.
<https://doi.org/10.1080/21551197.2018.1518797>
26. Rizzo S*, Douglas JW, **Lawrence JC**. Enteral nutrition via nasogastric tube for refeeding patients with anorexia nervosa: A systematic review. *Nutr Clin Practice*. 2018.
<https://doi.org/10.1002/ncp.10187>
 25. Jung SE, Santella M, **Lawrence J**, Hermann J. Understanding college students' intention to consume fruits and vegetables: an application of model of goal directed behavior. *Int J of Health Promotion and Educ*. 2018;56(4-5):211-225.
<https://doi.org/10.1080/14635240.2018.1505533>
 24. Jung SE, Bishop A, Kim M, Hermann J, Kim G, **Lawrence J**. Nutritional status of rural older adults is linked to physical and emotional health. *J Acad Nutr Dietetics*. 2017;117(6):851-858. <https://doi.org/10.1016/j.jand.2017.01.013>
 23. Douglas JW*, Knowlden A, **Lawrence JC**. Treating malnutrition with fortified foods: A systematic review. *Quality in Ageing and Older Adults*. 2017;18(2):104-119.
<http://dx.doi.org/10.1108/QAOA-05-2016-0018>
 22. Jung SE, Bishop AJ, Kim M, Hermann J, Kim G, **Lawrence J**. Does depressive affect mediate the relationship between self-care capacity and nutritional status among rural older adults?: A structural equation modeling approach. *J Nutr Gerontol Geriatr*. 2017;36(1):63-74. <https://doi.org/10.1080/21551197.2017.1281785>
 21. Douglas JW*, **Lawrence JC**, Turner LW. Social ecological perspectives of tube-feeding older adults with advanced dementia: A systematic literature review. *J Nutr Gerontol Geriatr*. 2017;36(1):1-17. <http://dx.doi.org/10.1080/21551197.2016.1277174>
 20. Stran KA*, Knol LL, Severt KS, **Lawrence JC**. College students' intentions to use calorie information on a restaurant information on a restaurant menu: Application of the theory of planned behavior. *Amer J Health Educ* 2016;47(4):215-223.
<https://doi.org/10.1016/j.jneb.2015.09.009>
 19. McMahon S*, March AL, Knol L, Bilbrey J, Morgan SL, **Lawrence J**. Protein requirements in illness: Considerations for acute care nurse practitioners. *J Nurse Practitioners* 2016;12(7):479-486. <https://doi.org/10.1016/j.nurpra.2016.03.010>
 18. Stran KA*, Knol LL, Turner LW, Severt KS, McCallum DM, **Lawrence JC**. College students must overcome barriers in order to use calorie labels in fast food restaurants. *J Nutr Educ Behav*. 2016;48(2):122-130. <https://doi.org/10.1016/j.jneb.2015.09.009>
 17. Douglas JW*, **Lawrence JC**. Environmental considerations for improving nutritional status in older adults with dementia: A narrative review. *J Acad Nutr Diet*. 2015;115:1815-1831.
<https://doi.org/10.1016/j.jand.2015.06.376>

16. Donahue E*, Crowe K, **Lawrence JC**. Protein-enhanced soups: A consumer-accepted food for increasing dietary protein provision among older adults. *Int J Food Sci Nutr* 2014;29:1-4. <https://doi.org/10.3109/09637486.2014.953451>
15. Nickelson J, **Lawrence JC**, Parton JM, Knowlden AP, McDermott RJ. What proportion of preschool-aged children consume sweetened beverages? *J Sch Health* 2014;84:185-194. <https://doi.org/10.1111/josh.12136>
14. **Lawrence JC**. Altered dietary intake and involuntary weight loss in older adults with Alzheimer's disease. *The Deep South CME Network, 2013*. Available (8/2013-8/2016) at: http://www.alabamacme.uab.edu/courses/Geriatric/Altered_Dietary_Intake/ID0525.asp
13. Ellis A, Crowe K, **Lawrence J**. Obesity-related inflammation: implications for older adults. *J Nutr Gerontol Geriatr* 2013;32(4):263-90. <https://doi.org/10.1080/21551197.2013.842199>
12. Locher JL, Vickers KS, Buys DL, Ellis AC, **Lawrence JC**, Newton L, Roth DL, Ritchie CS, Bales CW. A randomized controlled trial of a theoretically-based behavioral nutrition intervention for community elders: lessons learned from the Behavioral Nutrition Intervention for Community Elders Study. *J Acad Nutr Diet* 2013;113(12):1675-82. <https://doi.org/10.1016/j.jand.2013.06.352>
11. Herrington H, **Lawrence JC**, McLinn J, Ponder AJ, Thalacker-Mercer A, Willis AS. Weight management in older adults. *The Deep South CME Network, 2012*. Available (8/2012-8/2015) at: http://www.alabamacme.uab.edu/courses/Geriatric/Weight_Management/ID0509.asp
10. Locher JL, Bales CW, Ellis AC, **Lawrence JC**, Newton L, Ritchie CS, Roth DL, Buys DL, Vickers KS. A theoretically based nutrition intervention for high-risk older adults living in the community. *J Nutr Gerontol Geriatrics*, 2011;30(4):384-402. <https://doi.org/10.1080/21551197.2011.623955>
9. Ingram KH, Lara-Castro C, BA Gower BA, Makowsky R, Allison DB, Newcomer BR, Munoz AJ, Beasley TM, **Lawrence JC**, Lopez-Ben R, Rigsby D, Garvey WT. Intramyocellular lipid, insulin resistance, and adiposity: Differential relationships in European Americans and African Americans. *Obesity (Silver Spring)*, 2011;19(7):1469-75. <https://doi.org/10.1038/oby.2011.45>
8. **Lawrence JC**, Newcomer BR Oster RA, Buchthal SD, Sirikul B, and Gower BA. Relationship of intramyocellular lipid to insulin sensitivity may differ with ethnicity in healthy girls and women. *Obesity (Silver Spring)*, 2011;19(1):43-8. <https://doi.org/10.1038/oby.2010.148>
7. **Lawrence JC**, Gower BA, Garvey WT, Muñoz AJ, Darnell BE, Oster RA, Buchthal SD, Goran MI, and Newcomer BR. Relationship between insulin sensitivity and muscle lipids may differ with muscle group and ethnicity. *The Open Obesity J*. 2010;2:137-144. <https://doi.org/10.2174/1876823701002010137>

6. **Lawrence JC**, Lee HM, Kim JH, Kim EK. Variability in results from predicted resting energy needs as compared to measured resting energy expenditure in Korean children. *Nutr Res* 2009;29(11):777-83. <https://doi.org/10.1016/j.nutres.2009.10.017>
5. Lwin R, Darnell BE, Oster RO, **Lawrence JC**, Foster J, Azziz R, Gower BA. The effect of oral estrogen on substrate utilization in postmenopausal women. *Fertil Steril* 2008;90(4):1275-8. <https://doi.org/10.1016/j.fertnstert.2007.07.1317>
4. Lara-Castro C, Newcomer BR, Rowell J, Wallace P, Shaughnessy SM, Munoz AJ, Shiflett AM, Rigsby DY, **Lawrence JC**, Bohning DE, Buchthal S, Garvey WT. Effects of short-term very low calorie diet on intramyocellular lipid and insulin sensitivity in non-diabetics and type 2 diabetic patients. *Metab* 2008;57(1):1-8. <https://doi.org/10.1016/j.metabol.2007.05.008>
3. Douglas CC, **Lawrence JC**, Bush NC, Oster RA, Gower BA, Darnell BE. Ability of the Harris Benedict formula to predict energy requirements differs with weight history and ethnicity. *Nutr Res* 2007;27(4):194-199. <https://doi.org/10.1016/j.nutres.2007.01.016>
2. Newcomer BR, **Lawrence JC**, Buchthal S, and Den Hollander J. High-resolution chemical shift imaging for the assessment of intramuscular lipids. *Magn Reson Med* 2007;24;57(5):848-858. <https://doi.org/10.1002/mrm.21209>
1. **Clunk JM**, Lin CY, Curtis JJ. Variables affecting weight gain in renal transplant recipients. *Am J Kidney Dis* 2001;38,2;349-53. <https://doi.org/10.1053/ajkd.2001.26100>

Book Contributions and Scholarly Publications

Kazaks A, Lennon S, Chng B, Amos H, Proaño GV, Chondronikola M, Elia D, Kranz S, **Lawrence JC**, Murphy M, McDermid J. Creating the right research question: Nutrition graduate students discuss challenges and solutions. *The Digest* 2022;56(1):1-4.

Lawrence, JC. MNT in end-stage renal disease: a case study. In: *Lifecycle Nutrition: An Evidence-based Approach*. (2nd ed). Editor: S. Edelstein. 2014, Jones and Bartlett Learning.

Lawrence JC. Chapter Title: Pregnancy and kidney disease. *Nutrition Therapy for Chronic Kidney Disease*. Editors: Thomas L and Othersen J. 2012, CRC Press.

Peer-Reviewed Presentations

(*denotes student-mentored project)

Douglas JW*, **Lawrence JC**, Knol LL, Turner LW, Ellis AC, Godfrey AC. Factors associated with registered dietitians' feeding tube recommendations for older adults with advanced dementia. (Distinguished Abstract Award) *The American Society for Parenteral and Enteral Nutrition, Nutrition Science and Practice Conference*, Las Vegas, NV. 1/24/18

Jung SE, Bishop AJ, Kim M, Hermann J, Kim G, **Lawrence J**. Nutritional status of rural older adults is linked to physical and emotional health. *UAB Health Disparities Research Symposium*, Birmingham, AL. 5/3/17

Lawrence J, Poole LAC, Huebner R. Implementation of an interprofessional education model in graduate healthcare education. *The Interprofessional Health Care Summit*, Savannah, GA. 4/10/15.

Huebner R, Chandler-Poole LA, **Lawrence JC**. Implementation of an interprofessional education (IPE) model into field experiences. *The Council on Social Work Education*, Tampa, FL. 10/14.

Donahue E*, Crowe K, **Lawrence JC**. Increasing dietary protein provision among older adults using protein-enhanced soups. *The Academy of Nutrition and Dietetics' Food and Nutrition Conference and Exposition Annual Meeting*, Atlanta, GA. 10/14.

McMahon S*, Bilbrey J, Morgan S, Knol L, March A, **Lawrence JC**. The relationship of body mass index with the protein needs of acute care patients as evidenced by urinary urea nitrogen. *ASPEN Clinical Nutrition Week*, Phoenix, AZ. 2/13.

Knol LL, **Lawrence JC**. Body composition measures differ by food security status within ethnic groups among older adult women. *The Academy of Nutrition and Dietetics' Food and Nutrition Conference and Exposition Annual Meeting*, Philadelphia, PA. 10/12.

Campbell JA*, Wingo JE, **Lawrence JC**, Neggers YH, Leeper JD, and Bishop PA. Recovery in trained females after an exhaustive resistance training protocol. O26, p. 40. *The Southeast Chapter of American College of Sportsmedicine Annual Meeting*, Greenville, SC. 02/11.

Locher JL, Ellis A, **Lawrence J**, Newton L, Ritchie CS, Vickers K, Bales CW. Initial findings from an intervention to improve nutritional status of older adults receiving home health service'. *The Gerontological Society Annual Meeting*, Denver, CO. 11/10.

Lawrence JC, Gower BA, Garvey WT, Muñoz AJ, Darnell BE, Oster RA, Buchthal SD, Goran MI, and Newcomer BR. Alteration of intramyocellular lipid through eucaloric, low-fat diet. *The Endocrine Society Annual Meeting*, Boston, MA. 06/06.

Peer-reviewed Abstracts and Poster Presentations

(*denotes student-mentored project)

*Mensah D, Newman S, **Lawrence JC**. Changes in dietary intake following the COVID-19 pandemic are associated with increased frequency of fresh fruit and vegetable intake in rural youths. *J Acad Nutr Dietetics*. 2024;124(10):A39. Presented at the Presented at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/24.

*Mensah D, Knol L, **Lawrence JC**. Examining variations in central adiposity between US-born and foreign-born Black people using the Body Roundness Index: Analysis of the National Health and Nutrition Examination Survey, 2011-2018. *J Acad Nutr Dietetics*. 2024;124(10):A37. Presented at the Presented at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/24.

*Shahan M, Douglas CC, **Lawrence J**. Eating disorder risk and dieting history in college women. Presented at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/22.

Douglas JW, **Lawrence JC**, Thaitrong P. Student confidence in working with patients with traumatic brain injury. Accepted for presentation at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/22.

Douglas JW, **Lawrence JC**, Thaitrong P. Student training for working with patients with traumatic brain injury: An interdisciplinary service-learning project. Accepted for presentation at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/22.

*Brantley CM, Knol LL, Douglas JW, Hernandez-Reif M, **Lawrence JC**, Wind SA. Feeding stressors and available resources for parents of children with Down Syndrome: A qualitative analysis. Accepted for presentation at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo 10/22.

*Ferguson CC, **Lawrence JC**, Douglas J, Jung SE, Halli-Tierney AD, Bui C, Oden K, Ellis AC. A qualitative analysis of dietary practices and motivators among older adults living with Parkinson disease. *Innovation in Aging*. 2021;5(S1):997.
<https://doi.org/10.1093/geroni/igab046.3547>

*Shahan M, Knol L, **Lawrence J**. Relationship of weight perceptions on dietary intake behaviors in healthy weight and overweight/obese adults: National Health and Nutrition Survey (2011-2014). The Food and Nutrition Conference and Expo, Academy of Nutrition and Dietetics. 10/21.

*Shahan M, Jung S, **Lawrence J**. Assessment of eating behaviors, nutrition knowledge, and availability of nutrition education and resources for college dance majors. The International Association for Dance Medicine & Science Annual Conference, The International Association for Dance Medicine & Science, Denver, United States. 10/21/21.

Shahan M*, Jordan K*, Siegfried N, Douglas C, **Lawrence J**. Eating disorder risk and severity as a function of following self-administered popular diets. Virtual presentation for The American Society for Nutrition, Seattle, WA, 5/31/2020.

Willman A*, Ellis A, Kaylor S, Knol L, Douglas J, **Lawrence J**. Weight loss and religious affiliation are associated with the decision to initiate enteral nutrition

support in patients with head-and-neck cancer. Virtual presentation for the Nutrition Science and Practice Conference, the annual meeting of The American Society for Parenteral and Enteral Nutrition, Tampa, FL, 3/30/2020.

Douglas JW*, **Lawrence JC**. Does the patient's quality of life influence RDs' recommendations for feeding tube use in dementia? Presented at the Nutrition Science and Practice Conference, the annual meeting of The American Society for Parenteral and Enteral Nutrition, Phoenix, AZ, 3/25/2019.

Douglas JW*, **Lawrence JC**, Turner LW, Knol LL, Ellis AC. Dietitians in rural, acute care settings report greater likelihood of recommending feeding tubes in dementia. Presented at the Annual Conference of The Gerontological Society of America, 11/14/18, Boston, MA

Lawrence JC, Knol LL, Clem J, de la O R. Interprofessional culinary medicine training improves overall impressions of team performance. Accepted for presentation at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo, 10/18

Jung SE, Wolf A, **Lawrence J**. Predictors of nutrition students' intention to work with older adults: An application of the theory of planned behavior. Accepted for presentation at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo, 10/18.

Douglas JW*, Turner LW, Knol LL, Ellis AC, Godfrey AC, **Lawrence JC**. The development and validation of a survey instrument to identify factors influencing registered dietitians' recommendations for feeding tube use among older adults with advanced dementia. *J Acad Nutr Diet* 2017;117(9S):A34.

Rizzo S*, Douglas J, **Lawrence J**. Nasogastric nutrition for refeeding of anorexia nervosa patients: A systematic review. ASPEN Clinical Nutrition Week, Austin, TX. 1/17

Jung S, Bishop A, Kim M, Hermann J, Kim G, **Lawrence J**. Depression mediates relationship between self-care capacity and nutritional risk in rural elders. *The Gerontologist* 2016;56(S3):390-391. doi: 10.1093/geront/gnw162.1568

Tarn VE, Brantley C*, **Lawrence J**, Stalvey M. Bone health outcomes are more than vitamin D levels. *Pediatr Pulmonol* 2016;51 (S45):S424-425.

Lawrence J, Knol L, Clem J, Tucker M, Henson C, Higginbotham J, Streiffer R. Perceptions of team performance and professional stereotypes in interprofessional education among nutrition students, medical students, and medical residents. *J Acad Nutr Diet* 2016;116(9S):A89.

Jung S, Bishop A, Kim M, Hermann J, Kim G, **Lawrence J**. Interrelationships of health and emotional indicators with nutritional risk among rural older adults. *J Acad Nutr Diet* 2016;116(9S):A23.

Douglas J*, **Lawrence J**, Knowlden A. Treating malnutrition with fortified foods: a systematic review. Presented at the American Public Health Association annual conference, Denver, CO, 10/16

March AL, Huebner R, **Lawrence JC**, Yerby L, McIntyre PA, Ander M, Silliman K. Technology-supported simulation: A capstone event for interprofessional education of rural primary care providers. International Meeting on Simulation in Healthcare (IMSH), New Orleans, LA. 1/15.

Stran K*, Knol L, Turner L, Severt K, McCallum D, **Lawrence JC**. Positive attitudes are predictive of college students' intention to use and utilization of posted calorie information on a full-service restaurant menu. *J Acad Nutr Diet* 2014;114(9):A51.

Nickelson J, **Lawrence JC**. Ethnic differences in parental sugar-sweetened-beverage-related psychosocial factors: A pilot study. *J Nutr Educ Behav* 2013;45(4S):S50.

Locher JL, Vickers KS, Buys DR, Ellis AC, **Lawrence JC**, Newton L, Roth DL, Ritchie CS, Bales CW. A randomized controlled trial of a theoretically based behavioral nutrition intervention for high-risk older adults: the B-NICE trial. *The Gerontologist* 2012;52(S1):723.

Campbell JA*, Wingo JE, **Lawrence JC**, Neggers YH, Leeper JD, and Bishop PA. Post-exercise consumption of a carbohydrate-protein beverage does not enhance recovery following exhaustive resistance exercise in trained females. *Med Sci Sports Exerc* 2011;43(S):5.

Lawrence JC and Knol LL. Ethnic differences in dietary intake in older adults with cognitive impairment. *J Am Diet Assoc* 2010;110(S9):A118.

Lawrence JC and Knol LL. Ethnic differences in body composition in older adults with and without cognitive impairment. *J Amer Ger Soc* 2010;58(4):S51.

Lartey-Rowser M, **Lawrence J**, Yadrick K, Carithers T, Connell C. Calcium intake and CVD risk factors: gender differences in the Jackson Heart Study. *J Am Diet Assoc* 2009;109(S9):A91.

Gower B, Phadke R, Granger W, Munoz AJ, **Lawrence JC**, Ovalle F. Menopause and obesity are related to reduced beta cell function among African American women. *Obes* 2008;16(S1):222-P.

Lawrence JC, Lee HM, Kim JH, Kim EK. Accuracy of energy prediction equations in Korean children. *J Am Diet Assoc* 2008;108(S9):A-114.

Gower BA, Dalla Man C, Cobelli C, Phadke R, **Lawrence JC**, Ovalle F, Granger W. Early insulin secretion declines with age among African-American, but not among European-American, women. *Diabetes* 2008;57(6S):1472-P.

Kim EK, Kim JH, **Lawrence JC**. Variability in results from predicted resting energy needs as compared to measured resting metabolic rate: Determining the most accurate formula for use in younger children. *FASEB J* 2008;22:1090.4.

Lawrence JC, Hyatt T, Hunter GR, Newcomer BR, Darnell BE, Gower BA. Associations between markers of inflammation and regional/intramuscular fat vary with ethnicity. *Obes* 2007;15(9S):A205.

Lawrence JC, McAuley ED, Johnson MS, Munoz J, Gower BA. Validation of capillary blood for the assessment of disease risk factors in children. *J Am Diet Assoc* 2007;107(S8):A-32.

Lawrence JC, Newcomer BR, Buchthal SD, Sirikul B, Oster RA, Hunter GR, and Gower BA. Relationship of intramyocellular lipid to insulin sensitivity may differ with ethnicity in healthy, premenopausal females. *Obes Res* 2006;14(9S): A209.

Douglas CC, Bush NC, **Lawrence JC**, Oster RA, Gower BA, Darnell BE. Harris Benedict formula multiplied by an activity factor of 1.35 ensures weight maintenance in overweight and never-overweight healthy female volunteers. *Obes Res* 2005;13(S):A119.

Lawrence J, Newcomer B, Hunter G, Buchthal S, Oster R, Gower B. Intramyocellular lipids and insulin sensitivity in premenopausal black and white women. *Obes Res* 2004;12(S): A145.

Lawrence JC, Douglas CC, Faulk L, Oster RA, Curtis JJ. Long-term assessment of factors affecting weight gain in renal transplant recipients. Presented at the GCRC NIH Annual National Meeting, 04/04.

Curtis JJ, **Clunk JL**, Lin CY. Low income females are at greatest risk of excessive weight gain after tx. *Transplantation* 2000;69(8): S324-S324.

Invited Speaking and Seminars

JC Lawrence. Managing involuntary weight loss in the older adult. *The UAB Geriatrics Scholar Training Program*, Birmingham, AL 2/14, 10/14, 3/16.

JC Lawrence. Implementation of an interprofessional education model in graduate healthcare education. *The University of Alabama College of Community Health Sciences Winternitz Seminar*. Tuscaloosa, AL, 11/15

JC Lawrence. Altered dietary intake and involuntary weight loss in older adults with Alzheimer's disease. *UAB GEC Interprofessional Geriatric Education Conference*, Birmingham, AL, 1/13.

JC Lawrence. Nutrition & the management of common chronic diseases in older adults. *The Interprofessional Geriatrics Education Conference*, Birmingham, AL. 1/14.

JC Lawrence. Ethnic disparities in diet and body composition in older adults with Alzheimer's disease. *The University of Alabama Center for Mental Health and Aging Research Meeting.* Tuscaloosa, AL. 10/10.

JC Lawrence. Sarcopenia of aging: Who's at risk and how do we stop it? *The University of Alabama Center for Mental Health and Aging Scientific Seminar Series.* Tuscaloosa, AL. 04/08

JC Lawrence. Upregulation of muscle protein synthesis in older adults. *The University of Alabama at Birmingham Nutrition and Aging Research Seminar Series,* Birmingham, AL. 04/07

JC Lawrence. Gender and ethnic influences on renal transplantation outcomes. *The Joint Council Meeting of the Alabama Council of Renal Nutrition and the Alabama Council of Nephrology Social Workers,* Birmingham, AL. 12/99

Research Support

Funded Grants

- 07/13-07/16 Title: Advancing Nursing Education: IP Collaboration addressing MCC in Rural Communities
Type: USDHHS Health Resources and Service Administration; \$997,173
PI: Leigh Ann Poole Co-I: Jeannine C. Lawrence (12.5% effort annually)
Aims: The purpose of this project is to enhance advanced nursing education and practice by engaging Nurse Practitioner (NP) students and other graduate health occupation trainees (including Nutrition) in shared multiple chronic conditions (MCC) clinical and didactic learning experiences. The focus of this engagement will be to address MCC in persons living in rural communities through Interprofessional Grand Round teams comprised of graduate health occupation students led by NP students.
- 08/11-01/14 Title: Improving dietary protein intake among residents of long-term care facilities through the development and sensory testing of protein-enhanced soups
Type: Nestle Corp. Foundation; \$5,000
Co-PI's: Kristi Crowe, Jeannine C. Lawrence, Mary K. Meyer
Aims: To 1) evaluate the sensory acceptability and preference of protein-enhanced soups compared to institutional foodservice equivalent soups among older adults living in assisted living facilities; 2) evaluate the effect of consumption of 1 serving of protein-enhanced soups per day on total daily protein and energy intake in older adults living in assisted living facilities; and 3) evaluate the foodservice facility needs for serving protein-enhanced soups to residents in assisted living facilities.
- 08/10-08/11 Source: The University of Alabama
Type: Active and Collaborative Learning Grant; \$750

PI: Jeannine C. Lawrence

Aims: To develop course-imbedded assessment techniques for use in undergraduate courses.

- 04/09-04/11 Title: Ethnic differences in diet quality and body composition in older adults with cognitive impairment and Alzheimer's disease
Type: Intramural, University of Alabama Research Grants Committee; \$4,030
PI: Jeannine C. Lawrence
Aims: The purpose of this research is to investigate differences in energy intake, nutrient intake, and body composition between AA, Hispanic, and EA older adults with cognitive impairment (an early stage of AD development) using data from the 1999-2002 U.S. National Health and Nutrition Examination Survey. This information could be used to develop a nutrition intervention designed to maximize quality of life, slow disease progression, and extend survival time following AD diagnosis in older adults.
- 07/08-07/11 Title: A multi-component behavioral nutrition intervention for homebound elderly
Type: National Institute on Aging, R21; \$336,972
PI: Julie L. Locher PI (Subcontract): Jeannine C. Lawrence (16.5% Y1, 8.2% Y2 effort)
Aims: To evaluate the efficacy and feasibility of a multi-level self-management nutrition intervention to maintain or improve life-space mobility in a group of homebound older adults who have been recently discharged from the hospital.
- 03/09-03/10 Source: The University of Alabama
Type: Active and Collaborative Learning Grant; \$500
PI: Jeannine C. Lawrence
Aims: To develop course-associated rubrics for use in undergraduate courses.
- 03/08-03/09* Source: UAB Council of Center Directors and Center for Aging
Title: A nutrition intervention for the prevention of sarcopenia
Type: Intramural funds; \$80,000
PI: Barbara A. Gower Co-I: Jeannine C. Lawrence (5% effort)
Aims: This pilot study will test the hypotheses that, among healthy older adults: 1) consumption of 1.2g/kg/day of dietary protein, relative to consumption of 0.8g/kg/day, results in greater net protein synthesis of skeletal muscle; 2) leucine versus placebo supplementation, when combined with dietary protein from readily-available foods, acutely (one dose) increases net muscle protein synthesis; 3) leucine versus placebo supplementation, when combined with dietary protein from readily-available foods, chronically (14 d) increases net muscle protein synthesis.
*Note – funds returned, study not conducted
- 09/03-09/05 Source: UAB General Clinical Research Center

Title: Assessment of the influence of intramuscular lipids on the pathology of insulin resistance

Type: NIH GCRC M01-RR00032 - SAC sub-award study for pilot study; \$50,000

PI: Bradley R. Newcomer Co-I: Jeannine C. Lawrence

Aims: To test the ability of two diets (one low-fat, isocaloric, and one low-fat, negative calorie balance) to decrease intramuscular lipids (IML), to assess the influence of IML on whole-body insulin sensitivity before and after IML depletion, and to identify any racial differences in IML depletion or insulin sensitivity changes.

Other Research

09/09-08/11 Title: Reduced carbohydrate diet intervention for PCOS

PI: BA Gower

Role: Jeannine C. Lawrence (Nutrition consultant)

Type: NICHD, R01 HD054960

Aims: To develop a diet that optimizes reproductive and metabolic health among women with PCOS in the absence of weight loss.

Dissertation Committees

Mackinsey Shahan, Human Nutrition. Title: Development and validation of a new tool for assessing nutrition knowledge, attitudes, and available resources for college dance educators. (Committee chair, anticipated defense Summer 2022)

Yanqi Zhang, Human Nutrition. Developing biopolymer-based lutein emulsion to improve the *in vitro* bioaccessibility of lutein and its *in vivo* bioavailability in neonatal rats. (Committee member, anticipated defense Summer 2022)

Caroline Brantley, Human Nutrition. Title: The development and validation of an instrument to assess mindful eating in children with and without Down Syndrome through parent report. (Committee member, anticipated defense Spring 2023)

Christine Ferguson, Human Nutrition. Title: Determination of appropriate energy prediction equation(s) to use for patients with Parkinson's disease. (Committee member, Spring 2021)

Joy Warren Douglas, Health Studies. Title: Feeding tubes in advanced dementia: the knowledge and practices of dietitians in the U.S. (Co-chair, Spring 2017)

Kim Pearson Stran, Health Studies. An evaluation of the intention of college students to utilize calorie labeling in fast food and full-service restaurants: application of the theory of planned behavior. (Committee member, Spring 2013)

Jason Campbell, Kinesiology. Title: Quantitative and qualitative recovery in trained females after an exhaustive resistance training protocol, with and without a post-exercise carbohydrate-protein beverage. (Committee member, Spring 2010)

Thesis Committees

Alexis Willman, Human Nutrition, Title: Are demographic variables predictors of enteral nutrition initiation in head and neck cancer patients receiving radiotherapy? (Chair, Spring 2017)

Carson Parker, Human Nutrition. Title: The relationship between parental feeding practices and the child's weight. (Committee member, Summer 2016)

Caroline Brantley, Human Nutrition. Title: The association between serum vitamin D status, bone mineral density, and FEV1 in pediatric cystic fibrosis patients. (Chair, Spring 2016)

Elizabeth Donahue, Human Nutrition. Title: Sensory testing of protein-enhanced soups among older adults. (Co-chair, Spring, 2013)

Shannon McMahon, Human Nutrition. Title: The influence of BMI on the protein needs of critically ill patients as evidenced by urinary urea nitrogen. (Chair, Fall 2011)

Denise DeSalvo, Human Nutrition. Title: Association of micronutrient intakes with morbidity and mortality in homebound older adults. (Chair, Spring 2010)

Non-thesis Graduate Research Projects

Kathryn Leventry, Human Nutrition. Title: The effectiveness of gastrostomy placement in patients with CF (Chair, Spring 2017)

Margaret Patterson, Human Nutrition. Title: Differences of growth indices of children with autism when compared to children with other behavioral and developmental diagnoses. (Co-chair, Summer 2016)

Katherine Jordan, Human Nutrition. Title: Association between specific diet usage and eating disorders. (Chair, Spring 2016)

Lindsay Toole, Human Nutrition. Title: Predicting the need for home parenteral nutrition after neonatal intestinal resection due to necrotizing enterocolitis. (Chair, Spring 2016)

Courses Taught at The University of Alabama

Primary Instructor:

NHM 320 Food in Film
NHM 365 Nutrition in Medical Science I
NHM 465 Nutrition in Medical Science II
NHM 466 Nutrition Practicum
NHM 467 Long-term Care Practicum
NHM 509 Research Methods in Nutrition
NHM 564 Nutrition in Interprofessional Practice

NHM 565 Interdisciplinary Management of Chronic Disease
NHM 566 Advanced Clinical Nutrition
NHM 567 Nutrition Support for the Critically Ill
NHM 595 Seminar in Nutrition & Food
NHM 581 Practicum in Clinical Nutrition

Collaborative teaching:

Clinical Nutrition Instructor – Culinary Medicine

Courses Developed for Online Delivery:

NHM 320 Food in Film

NHM 365 Nutrition in Medical Science I

NHM 465 Nutrition in Medical Science II

NHM 509 Research Methods in Nutrition

NHM 566 Advanced Clinical Nutrition

NHM 567 Nutrition Support for the Critically Ill

Committees, Training, and Appointments

2022	Training – University of Florida Certificate in Multicultural Mentoring
2018-19	Fellow - SEC Academic Leadership Development Program
2016-21	CHES representative - UA Medical IRB
2013-16	Member – The University of Alabama Interprofessional Education, Engagement, and Research (IPEER) Task Force
2012-14	Senator – The University of Alabama Faculty Senate and Faculty Senate Steering Committee
2011	Scholar - UAB Geriatric Education Center Faculty Scholars Training Program
2010-19	Pediatric Pulmonary Center Advisory Board Committee Member , UAB Pediatric Pulmonary Center
2010-16	CHES Alternate – UA Medical IRB
2008	Graduate – The Rural Health Institute for Clinical and Translational Science Junior Investigators Program
2007-	Associate – Alabama Research Institute on Aging
2006-16	Dietetic Internship Advisory Board Committee Member - UAB Division of Clinical Nutrition and Dietetics

Professional Service

2018-2022	Committee member – Scientific Integrity Subcommittee, Council on Research, the Academy of Nutrition and Dietetics
2016-2017	Member – Scholarship Review Committee, Alabama Dietetic Association

7/12	Referee: Metabolism
11/11-1/14	Referee: British Journal of Nutrition
9/09-	Referee: Journal of the Academy of Nutrition and Dietetics
8/08	Referee: Journal of Pediatrics
11/08	Referee: Medicine & Science in Sports and Exercise
4/06-1/10	Referee: International Journal of Body Composition Research
3/08	Committee Chair – Alabama Dietetic Association Poster Judging Committee

Professional Affiliations

American Society of Nutrition
 Academy of Nutrition & Dietetics – Registered Dietitian #851162
 AND Dietetic Practice Groups: Nutrition Research, Healthy Aging, Dietetic Educators of Practitioners
 American Society for Parenteral and Enteral Nutrition
 Alabama Dietetic Association
 Tuscaloosa Dietetic Association

Achievements and Awards

2017	The University of Alabama Excellence in Academic Advising Award
2017	Outstanding Educator in a Coordinated Program Award – Alabama Dietetic Association
2007	Travel award from the conference on "Body Weight, Adiposity, Energetics and Longevity", sponsored by the National Institute on Aging
2006	Travel award for Exceptional Research Presentation from the Endocrine Society
2006	1 st place, Post-Doc Division – UAB Department of Nutrition Sciences poster competition
2002	Ecolab Dietetics Scholarship
2001	Ecolab Dietetics Scholarship
2000	ADA Lakeside Memorial Scholarship
2000	William E. Smith Dietetics Scholarship
1999-2005	UAB GCRC Nutrition Research Fellowship (stipend)
1998-1999	UAB GCRC Clinical Nutrition Research Trainee (stipend)