

January 2023

CURRICULUM VITAE

LesLee Karen Funderburk, PhD, RDN
One Bear Place #97346, Waco, TX 76798
254-710-7318 Leslee_Funderburk@baylor.edu

EDUCATION:

Doctor of Philosophy, Nutritional Sciences, 2007

University of Washington, Seattle, WA

Dissertation: Attenuation of exertional muscle damage with a nutritional supplement.

Master of Science, Health Care Administration, 1994

Central Michigan University, Oahu Campus

Thesis: Enhancement of blood glucose management in women with gestational diabetes: moderate versus fat diabetic diet.

Bachelor of Science, Food and Nutrition, 1986

Eastern Washington University, Cheney, WA

PROFESSIONAL LICENSURE AND CERTIFICATIONS:

- Registered Dietitian
 - Commission on Dietetic Registration, Academy of Nutrition and Dietetics
- Licensed Dietitian
 - Texas State Board of Examiners of Dietitians
- Board Certified Specialist in Sports Dietetics
 - Commission on Dietetic Registration, Academy of Nutrition and Dietetics
- Certified Strength and Conditioning Specialist
 - National Strength and Conditioning Association

RESEARCH INTERESTS: Pragmatic use of nutritional supplements to improve body composition and enhance effects of physical training programs. Identification of best practices to promote good nutrition and physical activity habits in the built environment.

PROFESSIONAL EXPERIENCE

2022-present Associate Professor, Nutrition Sciences, Human Sciences and Design, Robbins College of Health and Human Sciences, Baylor University, Waco, TX

2018-present Program Director Dietetic Internship, Human Sciences and Design, Robbins College of Health and Human Sciences, Baylor University, Waco, TX

January 2023

2016-2022 Assistant Professor, Nutrition Sciences, Human Sciences and Design, Robbins College of Health and Human Sciences, Baylor University, Waco, TX

2013-2016 Director, U.S. Military-Baylor University Graduate Program in Nutrition, Army Medical Department Center and School, Ft Sam Houston, TX

2014-2016 Appointed Human Protections Administrator, Army Medical Department Center and School, Ft Sam Houston, TX

2011-2013 Chief, Nutrition Care Division, William Beaumont Army Medical Center (WBAMC), Fort Bliss, TX

2011-2012 Appointed Human Protections Administrator, Department of Clinical Investigations, WBAMC, Fort Bliss, TX

2010 Human Protections Administrator, Joint Combat Casualty Research Team, US Central Command, Bagram, Afghanistan

2007-2010 Chief, Medical Research Facility, US Army Research Institute of Environmental Medicine, Fort Bragg, NC

2004-2007 Long Term Health Education & Training, Nutritional Sciences, University of Washington, Seattle, WA

2003-2004 Chief, Production & Service, Nutrition Care Division, Madigan Army Medical Center, Fort Lewis, WA

2003 Medical Brigade Dietitian, 62nd Medical Brigade, Mosul, Iraq

2001-2003 Deputy Chief, Nutrition Care Division, Madigan Army Medical Center, Fort Lewis, WA

2000-2001 Medical Brigade Dietitian, 62nd Medical Brigade, Fort Lewis, WA

1999-2000 Student, Command and General Staff College, Fort Leavenworth, KS

1997-1999 Chief, Production & Service/Health Promotion Dietitian, Nutrition Care Division, Eisenhower Army Medical Center, Fort Gordon, GA

1995-1997 Chief, Nutrition Care Division, Winn Army Community Hospital, Fort Stewart, GA

January 2023

1992-1995 Staff Dietitian/Chief, Clinical Dietetics Branch, Nutrition Care Division, Tripler Army Medical Center, HI

1990-1992 Chief, Production & Service, Nutrition Care Division, Letterman Army Medical Center, Presidio of San Francisco, CA

HONORS AND AWARDS

2020 Summer Faculty Institute Fellow, Baylor University, 2020

2019 Proposal Development Program Awardee, Office of the Vice Provost for Research, Baylor University

2018 Rising Star, Office of the Vice Provost for Research, Baylor University

2017 Research Summer Sabbatical, Baylor University

SCHOLARY ACTIVITY

Research Interests

- Use of nutritional supplements to positively impact body composition
- Use of nutritional supplements to enhance physical training
- Health promotion in the built environment

REFERREED PUBLICATIONS

Harris D, Baker E, Svacina J, Rohde J, **Funderburk LK**. A systematic approach to evidence-based design for measurable health and wellness outcomes: translational evidence. *Health Environments Research & Design Journal*. *Currently under review*.

Perrine BL, Monzon K, Weber LM, **Funderburk LK**. A study of the addition of omega-3 fatty acid supplementation to the normal routine of adult choristers. *Speech, Language and Hearing*. *Currently under review*.

Heileson JL, Chapman-Lopez T, Gallucci A, Koutakis P, Forsse J, **Funderburk LK**. Omega-3 fatty acid supplementation and exercise-induced muscle damage: EPA or DHA? *Medicine & Science in Sports & Exercise*. *Currently under review*.

Heileson JL, Machek SB, Harris DR, Tomek S, de Souza LC, Kiefer AJ, Barringer ND, Gallucci A, Forsse J, **Funderburk LK**. The effect of fish oil supplementation on resistance training-induced adaptations. *Journal of the International Society of Sports Nutrition*. *Currently under review*.

January 2023

de Souza LC, Moris JS, Fant K, Lee K, Chapman-Lopez T, Gallucci A, **Funderburk LK**. Dietary intake and menstrual health among acrobatics and tumbling student-athletes. *Journal of the American Nutrition Association*. *Currently under review*.

Lee KL, Gallucci AR, **Funderburk LK**, Cherpe de Souza L, Irvin LR, Boyer E, Fant K. A perfect storm?: The association of vitamin D with injury prevalence among acrobatics and tumbling athletes. *Sports Medicine and Health Science*. *Currently under review*.

Chapman-Lopez T, Wilburn D, Fletcher E, Richardson K, Ismaeel A, Heilesen JL, Gallucci A, **Funderburk LK**, Koutakis P, Forsse J. The influence of resistance training on adipokines in post-menopausal women: A brief review. *Sports Medicine and Health Science*. 2022; <https://doi.org/10.1016/j.smhs.2022.09.001>

Cholewinski MC, Machek SB, Cardaci TD, Wilburn DT, Willoughby DS, **Funderburk LK**, Gallucci AR. The effects of a peaking protocol on heart rate variability and its predictive associations with Wilks Coefficient in competitive powerlifters. *International Journal of Strength and Conditioning*. 2022; 2(1), 1-8.

Heilesen JL, McGowen J, Moris J, Chapman-Lopez T, Torres R, **Funderburk LK**, Forsse J. Body composition, eicosapentaenoic acid, and vitamin D are associated with Army Combat Fitness Test performance. *Journal of the International Society of Sports Nutrition*. 2022;19:1, 349-365.

Heilesen JL, Papadakis Z, Ismaeel A., Richardson K, **Funderburk LK**, Gallucci A, Koutakis P, Forsse J. The benefits of utilizing total body composition as a predictor of cardiorespiratory fitness based on age: A pilot study. *International Journal of Environmental Research and Public Health*. 2022;19 (5758).

Heilesen JL, Elliott A, Buzzard JA, Cholewinski MC, Gallucci A, **Funderburk LK**. The impact of long-chain omega-3 polyunsaturated fatty acid supplementation on body composition, strength, and power in collegiate athletes. *Journal of Exercise and Nutrition*. 2022;5(1).

Yoo J, Peterson M, Heilesen J, **Funderburk LK**. Effect of a Calorie-restricted Diet and Exercise on Self-image and Quality of Life among Mid-life Women. *Journal of Family and Consumer Sciences*. 2022; 114(2):24-30.

Torres R, Richardson K, Heilesen JL, Ismaeel A, Gallucci A, Koutakis P, Bowden RG, **Funderburk L**, Forsse, JS. Association between Total Body Composition and VO₂max in Individuals with Mid-Spectrum Chronic Kidney Disease. *International Journal of Exercise Science: Conference Proceedings*: 2022; 2:14 (125).

Heilesen JL, Elliott A, Buzzard JA, Cholewinski MC, Jackson, KH, Gallucci A, **Funderburk LK**. A cross-sectional analysis of whole blood long-chain omega 3 polyunsaturated fatty acids and its relationship with dietary intake, body composition,

January 2023

and measures of strength and power in collegiate athletes. *Journal of the American College of Nutrition*. 2021; Dec:1-7.

Perrine BL, Monzon K, Weber LM, **Funderburk LK**. The impact of fish oil supplementation on self-perception of the voice in vocal performers: A randomized, single blind placebo-controlled study. *Journal of Speech, Language, and Hearing Research*. 2021; 64:4784-4790.

Adair KE, Ylitalo KR, Forsse JS, **Funderburk LK**, Bowden RG. Metabolic Constellations, Clusters, and Renal Function: Findings from the 2013–2018 National Health and Nutrition Examination Surveys. *Life*. 2021; 11(9):904.

Adair KE, Bowden RG, **Funderburk LK**, Forsse JS, Ylitalo KR. Metabolic Health, Obesity, and Renal Function: 2013–2018 National Health and Nutrition Examination Surveys. *Life*. 2021; 11(9):888.

Cholewinski MC, Buzzard J, Gordon Q, Ross RN, **Funderburk LK**, Gallucci A. (2021). Changes in Body Composition and Activity Levels of a Division-1 Football Team During COVID-19. *Journal of Exercise and Nutrition*. 2021;4(1):4.

Heileson JL, **Funderburk LK**, Cardaci TD. Applications of fish oil supplementation for special operators. *Journal of Special Operations Medicine*. Spring 2021;21(1):78-85.

Funderburk LK, Heileson J, Peterson M, Willoughby D. Efficacy of L-leucine supplementation coupled with a calorie-restricted diet to promote weight loss in mil-life women. *Journal of the American College of Nutrition*. 2020;Oct 8:1-9.

Heileson JL, Cholewinski MC, Adair KE, Vineyard A, Gallucci A, **Funderburk LK**. The effect of fish oil supplementation on body composition and strength in a young, athletic population. *Journal of Exercise and Nutrition*. 2020;3(3):1-5.

Funderburk LK, Cardaci T, Fink A, Taylor K, Rohde J, Harris D. Healthy Behaviors through Behavioral Design–Obesity Prevention. *International Journal of Environmental Research and Public Health*. 2020;17(14):5049.

Heileson JL, Peterson M, Adair KE, **Funderburk LK**. Comparison of a sucrose-based and rice-based sports beverage on hydration status during a 19.3-km foot march in ROTC cadets. *The Journal of Strength and Conditioning Research*. 2020;July 1.

Heileson JL, **Funderburk LK**. The effect of fish oil supplementation on the promotion and preservation of lean body mass, strength, and recovery from physiological stress in young, healthy adults: a systematic review. *Nutr Rev*. 2020;78(12):1001-1014.

Willoughby D, Beretich K, Chen M, **Funderburk LK**. Serum levels of C-terminal agrin fragment are decreased in post-menopausal women following resistance training. *Journal of Aging and Physical Activity*. 2019;28(1):73-80.

January 2023

Funderburk LK, Beretich K, Chen M, Willoughby D. Efficacy of L-leucine supplementation coupled with resistance training in un-trained mid-life women. *Journal of the American College of Nutrition*. 2019;39(4):316-324.

Yoo J, Willoughby D, **Funderburk LK**. Understanding the effect of resistant training and amino acid supplement on weight perception and body image. *American Journal of Health Studies*. 2019;34(2):88-92.

Jayne J, Blake C, Frongillo E, Liese A, Cai B, Nelson D, Kurina L, **Funderburk LK**. Trajectories of body mass index among active-duty U.S. Army soldiers, 2011–2014. *Preventive Medicine Reports*. 2019; Feb 5;14:100818.

Jayne J, Blake C, Frongillo E, Liese A, Cai B, Nelson A, Kurina L, **Funderburk LK**. Stressful life changes affect nutrition-related health outcomes among U.S. Army Soldiers. *Current Developments in Nutrition*. 2019; Jun 13;3(suppl 1):nzz039.

Funderburk LK, Peterson M, Beretich K, Shah N, Grandjean P. Prevalence of metabolic disease and correlation to body composition and cardiovascular fitness in adults undergoing fitness assessments. *PLoS ONE*. 2018; Dec 21;13(12):e0209514.

Funderburk LK, Peterson M, Shah N, Morgan M, Grandjean P. Serum Vitamin D and Body Composition in Adults Undergoing Fitness Assessments: A Correlation Study. *PLoS ONE*. 2018; Jun 1;13(6):e0197903.

Clark H, Cole R, **Funderburk LK**. US Military Dietetic Internship and Graduate Program: Retrospective Analysis of Selection Criteria and Student Success. *J Acad Nutri Diet*. 2018; Jun;118(6):1057-1064.

Funderburk LK, Wilfong S, Fingerle P, Zuercher B. Food Insecurity and Diet Quality Among Private University Students. *J Acad Nutri Diet*. 2018; Sept 1;118 (9): Suppl A22.

Funderburk LK, Peterson M, Grandjean P. Predictors of Success in a Weight Loss Intervention. *BAOJ Obesity and Weight Management*. 2017; 3(1):013.

Barringer N, Kotwal R, Lewis M, **Funderburk LK**, Elliott T, Crouse S, Smith S, Greenwood M, Kreider R. Fatty Acid Blood Levels, Vitamin D Status, Physical Performance, Activity, and Resiliency: A Novel Potential Screening Tool for Depressed Mood in Active Duty Soldiers. *Mil Med*. 2016; Sept;181(9):1114-1120.

Funderburk LK, Daigle K, Arsenault J. Vitamin D status among overweight and obese Soldiers. *Mil Med*. 2015; Feb;180(2):237.

Arsenault J, Singleton M, **Funderburk LK**. Use of the Go-for-Green nutrition labeling system in military dining facilities is associated with lower fat intake. *J Acad Nutri Diet*. 2014; Jul;114(7):1067-71.

January 2023

Funderburk LK, Arsenault J. Prevalence of abnormal serum lipids among overweight and obese Soldiers. *Mil Med.* 2013; Oct;178(10):1137.

Arsenault J, Noyes M, **Funderburk LK**. Attitudes and behaviors of overweight or obese US Army Soldiers. *The FASEB Journal.* 2013;27:349-350.

Crombie A, **Funderburk LK**, Smith T, McGraw S, Walker L, Champagne C, Allen H, Margolis L, McClung H, Young A. Effects of modified foodservice practice in military dining facilities on ad libitum nutritional intake of US Army soldiers. *J Acad Nutr Diet.* 2013; Jul;113(7):920-927.

Smith J, Dotson L, Young A, White A, Hadden L, Bathalon G, **Funderburk LK**, Marriott B. Eating Patterns and Leisure-Time Exercise among Active Duty Military Personnel: Comparison to the Healthy People Objectives. *J Acad Nutr Diet.* 2013; Jul;113(7):907-919.

Smith J, Marriott B, Dotson L, Bathalon G, **Funderburk LK**, White A, Hadden L, Young A. Overweight and Obesity in Military Personnel: Sociodemographic Predictors. *Obesity.* 2012;20:1534-1538.

Smith J, Crombie A, **Funderburk LK**, Sigrist L, Bathalon G, McGraw S, Young A. Efficacy of Orlistat 60 mg on weight loss and body fat mass in US Army Soldiers. *J Acad Nutr Diet.* 2012; Apr;112(4):533-540.

Walker L, **Funderburk Sanders LK**. Effects of resistance training on strength, body composition and BMR in post-bariatric surgery patients. *Med Sci Sports Exerc.* 2010; May;42(5):731.

Funderburk Sanders LK, Duncan G, Grenier E, Deuster P. Attenuation of exertional muscle damage with a nutritional supplement. *Med Sci Sports Exerc.* 2009; May; 41(5):509.

Berry-Caban C, **Funderburk Sanders LK**, Adeboye O. Self-reported hypertension on a Caribbean Island. *JCMR.* 2009; Apr;1(1).

Margolis L, Grediagin A, Koenig C, **Funderburk Sanders LK**. Effectiveness and acceptance of web-based learning compared to traditional face-to-face learning for performance nutrition education. *Mil Med.* 2009; Oct; 174(10):1095-9.

Funderburk Sanders LK, Duncan G. Population-based reference standards for cardiovascular fitness among U.S. adults: NHANES 1999-2000 and 2001-2002. *Med Sci Sports Exerc.* 2006; Apr;38(4):701-7.

Cashman TM, Hassell LH, Barker AJ, **Funderburk LK**. Operation tropic refuge: the East Wood rescue. *Mil Med.* 1994; Dec;159(12):723-9.

PROFESSIONAL REPORTS – SOFTWARE

Rohde J, Baker E, **Funderburk LK**, Svacina J. and Harris D. CrossChek, *Software*. Evidence-based software for the design and construction of the built environment with a focus on occupant health and wellness. <https://crosschek.io/>. 2022

Harris D, Rohde J, **Funderburk LK**, Baker E, Richardson S, Cardaci T, Fink A, Taylor K, Erickson L, Svacina J, Shrestha S, Sangel A. Crosswalk: Healthy behaviors through active design: An evidence-based web application to inform design, operations & public Policy. Centers for Disease Control, feasibility report, August 27, 2019.

Grandjean P, Forsse J, Peterson M, **Funderburk LK**. Lifestyle intervention for weight loss and fitness enhancement with the Fusion CST and NordicTrack Incline Trainer. A summary report. ICON Health and Fitness, Inc. May 2017.

GRANTS

Grants Pending Review

R01 (PA-20-184) October 2022
National Institutes of Health/NIAAA requested \$3,148,749
Project Title: The effectiveness of acute aerobic exercise as a therapeutic intervention to mitigate alcohol use disorder chronic kidney disease.
Role: Co-PI

R33 (PAR-20-217) June 2022
National Institutes of Health/NCCIH requested \$507,497
Project Title: Beetroot supplementation for the prevention of respiratory infections associated with real-life stress.
Role: Co-PI

Grants Funded

Small Business Innovation Research Program, Phase II 8/1/2020-7/31/2022
Centers for Disease Control \$344,000
Project Title: Healthy behaviors through active design: an evidence-based web application to inform design, operations & public policy.
The goal of this study is to further develop the evidence-based web application that provides design solutions that influence healthy choices in the built environment. This application will provide the end user with options to positively effect a variety of factors that influence long-term health such as nutrition, physical activity, behavior modification and indoor environmental quality.
Role: Co-PI

Baylor University Research Committee Grant 12/7/2020-5/31/2021
Baylor University \$3510

January 2023

Project Title: The effect of fish oil supplementation on vocal performers.
The goal of this study is to determine if fish oil supplementation can positively enhance body composition and impact vocal quality in a young cohort of college-age vocal performers.

Role: Co-PI

Baylor University Research Committee Grant 6/1/2020-5/31/2021
Baylor University \$4600

Project Title: The effect of fish oil supplementation and resistance training on strength and hypertrophy in young female adults.

The goal of this study is to determine if fish oil supplementation can enhance lean mass accretion and strength gains after a 10-week resistance training program in young adult females.

Role: PI

Research Award, Sugar Association 10/1/2019-9/1/2020
Research Dietetics Practice Group \$8000

Project Title: Omega-3 fatty acid supplementation to enhance performance in collegiate Athletes.

The goal of this pilot study is to investigate the effects of fish oil supplementation on body composition and strength in young, college athletes.

Role: PI

Baylor University Research Committee Grant 6/1/2017-5/31/2018
Baylor University \$7318

Project Title: A fiber intervention to prevent weight gain and reduce stress levels for physicians in training.

The goal of this pilot study was to determine if a fiber intervention could prevent weight gain and reduce stress levels via changes to the gut microbiome for physicians in resident training.

Role: Co-PI

Small Business Innovation Research Program 8/30/2018-8/29/2019
Centers for Disease Control \$150,000

Project Title: Web-based application to enable healthy behaviors through behavioral design.

The goal of this feasibility study was to develop a prototype, evidence-based web application that provides design solutions that influence healthy choices in the built environment.

Role: Co-PI

Undergraduate Research Student Award 6/1/2017-5/31/2018
Baylor University \$2986

Project Title: Exploring the Relationship Between Food Insecurity, Diet Quality and Weight Status among Private University Students.

The goal of this cross-sectional study was to characterize food insecurity in a sample of

January 2023

private university students, assess the relative influence of demographic characteristics on food security, and describe associations between food insecurity, weight status, and diet quality.

Role: PI

Grants Submitted (not funded)

R01 (PA-20-183)

July 2022

National Institutes of Health/NIA

requested \$2,818,089

Project Title: A lifestyle intervention with leucine supplementation to promote retention of lean mass while losing body fat in mid-life adults.

Role: PI

CPSDA Research Award

June 2022

Collegiate and Professional Sports Dietitians Association

requested \$15,000

Project Title: Carbohydrate intake, sports nutrition knowledge and health biomarkers in track and cross-country collegiate athletes: A study across training and competing seasons.

Role: Co-PI

R15 (PAR-21-154)

June 2022

National Institutes of Health/NIDCD

requested \$420,000

Project Title: The effect of fish oil supplementation on the voice of female professional voice users.

Role: Co-PI

R01 (PA-20-183)

October 2021

National Institutes of Health/NIA

requested \$3,076,528

Project Title: A lifestyle intervention with leucine supplementation to promote retention of lean mass while losing body fat in mid-life adults.

Role: PI

R33 (PAR-20-217)

October 2021

National Institutes of Health/NCCIH

requested \$489,511

Project Title: Beetroot supplementation for the prevention of respiratory infections associated with real-life stress.

Role: Consultant

R33 (PAR-20-217)

October 2020

National Institutes of Health/NCCIH

requested \$536,226

Project Title: Beetroot supplementation for the prevention of respiratory infections and asthma symptoms associated with real-life stress.

Role: Consultant

The Allergan Foundation

May 2019

Community Grant

requested \$25,000

Project Title: Effect of Vitamin D supplementation on pre-diabetes, type 2 diabetes

January 2023

mellitus and markers of metabolic syndrome.

Role: PI

National Dairy Council April 2019
Nutrition Research Grant requested \$10,000
Project Title: Intake of a dairy protein versus animal protein rich diet and resistance training in older adults; impact on muscle quantity and quality.
Role: PI

Undergraduate Research Student Award January 2019
Baylor University requested \$4393
Project Title: Leucine supplementation coupled with resistance training to promote weight loss and examine effects on body image in mid-life women. Requested –
Role: PI

Faculty Research Investment Program January 2019
Baylor University requested \$50,000
Project Title: Purposeful nutrient supplementation to augment treatment for participants with type 2 diabetes mellitus.
Role: PI

Sid Richardson Foundation September 2018
Research Grant requested \$25,000
Project Title: Effect of vitamin D supplementation on individuals with pre-diabetes, type 2 diabetes and markers of metabolic syndrome.
Role: PI

The Allergan Foundation May 2018
Community Grant requested \$25,000
Project Title: Effect of Vitamin D supplementation on pre-diabetes, type 2 diabetes mellitus and markers of metabolic syndrome.
Role: PI

Undergraduate Research Student Award September 2017
Baylor University requested \$3042
Project Title: Resistance Training with Leucine Supplementation in Peri- and Post-Menopausal Women.
Role: PI

R15 (PA-16-200) June 2017
NIH requested \$244,551
Project Title: Physical Activity and Dietary Modification, High-Fat versus High-Carbohydrate, for a Healthy Heart, Body Weight, and Building Positive Body
Role: Co-PI

University Research Committee Small Grant Program October 2016

January 2023

Baylor University requested \$2980
Project Title: A pilot study to assess select biochemical indicators of health and dietary intake in Center for Healthy Living clientele.
Role: PI

CONFERENCE PROCEEDINGS

*Lee KL, Gallucci AR, **Funderburk LK**, Cherpe de Souza L, Irvin LR, Boyer E, Fant K. A perfect storm?: The association of vitamin D with injury prevalence among acrobatics and tumbling athletes. Poster presented at: Southwest Athletic Trainers' Association Meeting and Clinical Symposium; July 2022; Arlington, TX.

Funderburk LK, Heileson JL. (April 2022) Fish oil supplementation combined with a resistance training program enhances lower-body strength in young adults. Poster presentation, Texas Academy of Nutrition and Dietetics Annual Conference, San Antonio, TX.

Yoo J, **Funderburk LK**. (November 2021) Weight preoccupation, self-objectification, and body satisfaction among overweight mid-life women: pre and post intervention assessment. Poster presentation, International Textile and Apparel Association 2021 Virtual Annual Conference.

*Heileson JL, Merrell HM, Machek SB, Wilburn DT, Forsse JS, **Funderburk LK**. (June 2021). Fish oil supplementation combined with a resistance training program enhances lower-body strength in young women. Poster presentation, 18th Annual Conference of the International Society of Sports Nutrition, St. Petersburg, FL.

*Peterson M, Adair K, **Funderburk LK**. (June 2021) Effect of exercise on fibroblast growth factor 21 levels in males and females. Poster presentation, American College of Sports Medicine Annual Meeting, virtual.

Funderburk LK. (April 2021). Omega 3 Supplementation: evidence-based support for client recommendations. Podium presentation, Texas Academy of Food & Nutrition, Annual Meeting, virtual.

Funderburk LK, Anderson C, Peterson M. (April 2021). Calorie restricted diet and leucine supplementation to promote fat loss in mid-life women. Poster presentation, Texas Academy of Food & Nutrition, Annual Meeting, virtual.

*Beretich K, Weems S, **Funderburk LK**. (April 2021). Stages of change: The use in dietetics practice. Poster presentation, Texas Academy of Food & Nutrition, Annual Meeting, virtual.

Funderburk LK, Yoo J, Willoughby D. (June 2019). Strength and self-perceived body image improvement after L-leucine plus resistance training intervention in mid-life women. Poster presentation, 16th Annual Conference of the

January 2023

International Society of Sports Nutrition, Las Vegas, NV.

Yoo J, Willoughby D, **Funderburk LK**. (April 2019). The influence of supplement and exercise on body satisfaction. Poster presentation, 101st annual meeting of American Association of Family & Consumer Sciences – Texas Affiliate, Lubbock, TX.

*Beretich K, Peterson M, **Funderburk LK**. (April 2019). Vitamin D deficiency and metabolic syndrome: Mild conditions or serious health concerns? What RDNs need to know. Poster presentation Texas Academy of Food & Nutrition, Annual Meeting Arlington, TX.

Funderburk LK. (March 2018). Omega 3 & vitamin D: evidence-based support for client recommendations. Podium presentation, Central Texas Academy of Food & Nutrition, bi-annual meeting, Temple, TX.

Funderburk LK, Zuercher B, Fingerle P, Wilfong S. (October 2018). Food insecurity and diet quality among private university students. Poster presentation, National, Food and Nutrition Conference and Exhibition, Washington, DC.

Funderburk LK. (April 2018). Leucine, omega 3 & vitamin D: evidence-based support for client recommendations. Podium presentation, Texas Academy of Food & Nutrition, Annual Meeting, Houston, TX.

Funderburk LK, Zuercher B, Fingerle P, Wilfong S. (April 2018). Food insecurity and diet quality among private university students. Poster presentation, Texas Academy of Nutrition & Nutrition, Annual Meeting, Houston, TX.

Yoo J, Koh Y, **Funderburk LK**. (October 2017). Influence of media on body image: How healthy exercise and diet are portrayed. Poster presentation, Fashion and Media Symposium, Philadelphia, PA.

*Indicates student

TEACHING

NUTR 5370 *Research Methods* (3 credits). In this course, students learn the nutrition research process, to include development of a research protocol, human subjects' regulations and ethical considerations, and the institutional review board process.

NUTR 5350 *Dietetic Internship* (3 credits). The objective of this course is to ensure that the student/dietetic intern attain the professional core competencies needed to prepare them to be an entry-level dietitian. Part of my responsibilities for this course is the management of the preceptors and rotation schedule for the six supervised practice sites

January 2023

throughout McLennan County, where the interns accumulate their 1200 practice hours during the academic year.

NUTR 5386 *Nutrition for Sport and Fitness* (3 credits). This course covers nutrition guidelines for health, fitness and sports performance, with topics ranging from human energy use, macronutrients, vitamins/minerals, hydration, body weight and composition and nutritional supplements.

NUTR 5358 *Emerging Issues* (3 credits). The objective of this course is to ensure that the student can evaluate emerging research and apply that knowledge to nutrition and dietetics practice.

NUTR *Life Cycle Nutrition* (3 credits). This course explains how nutrition influences an individual's wellbeing and ability to function fully throughout life. Nutritional needs of each age group are delineated.

NUTR 3351 *Nutrition Education and Counseling* (3 credits). The objective of this course is to ensure that students can identify and explain factors that influence food choices, eating behaviors and adherence to healthy eating patterns. Counseling techniques and strategies are also taught.

STUDENT MENTORSHIP

Graduate Research Committees

- Young, M. Member, Thesis Committee (8/2022 – 12/2022)
 - Title: Association of dietary fiber intake with metabolic risk factors for type 2 diabetes in African American men
- Heileson, J. Chair, Dissertation Committee HHPR (6/2020 - 8/2022)
 - Title: The anabolic and anti-catabolic effects of long-chain omega-3 polyunsaturated fatty acid supplementation on functional muscular outcomes.
- Renaldo, M. Chair, Thesis Committee HSD (8/2021 - 5/2022)
 - Title: The anabolic and anti-catabolic effects of long-chain omega-3 polyunsaturated fatty acid supplementation on functional muscular outcomes.
- Mills, M. Member, Thesis Committee (8/2020 – 6/2021)
 - Title: Relationship between dietary fiber and measures of mental health.
- Adair, K. Member, Dissertation Committee, HHPR (6/2020 – 8/2021)
 - Title: Metabolic health, obesity and chronic kidney disease: findings from the National Health and Nutrition Examination Surveys.
- Machek, S. Member, Dissertation Committee HHPR (12/2020 – 12/2021)
 - Title: The potential synergistic effect of combined blood flow restriction training and betaine supplementation on skeletal muscle mechanotransduction-associated cell signaling.

- Vineyard, A. Member, Dissertation Committee HHPR (12/2020 – 6/2021)
 - Title: Burnout in athletic training students and correlation to adverse academic and personal outcomes.
- Petersen, H. Chair, Thesis Committee, HSD (1/2020 – 12/2020)
 - Title: Comparison of rice-based versus sucrose-based drinks on the ability to maintain hydration status in ROTC cadets during a physical training event.
- Cherpe de Souza, L. Chair, Thesis Committee, HSD (5/2020 – 12/2020)
 - Title: The impact of dietary acculturation and food availability in the body composition of Division I female international student-athletes.
- Rightmer, L. Chair, Thesis Committee, HSD (5/2020 – 12/2020)
 - Title: Quality of life assessment in a weight loss intervention.
- Onyima, I. Chair, Thesis Committee, HSD (1/2020 – 12/2020)
 - Title: Meals on Wheels: Change in central Texas participants' self-perceived nutritional health risk and comparison of demographics to national averages.
- Peterson, M. Chair, Dissertation Committee HHPR (11/2018 - 5/2020)
 - Title: Metabolic effects of sprint interval and continuous exercise.
- Beretich, K. Chair, Dissertation Committee HHPR (8/2018- 8/2020)
 - Title: Assessing stages of change knowledge and use among nutrition professionals.
- Anderson, C. Chair, Thesis Committee, FCS (1/2019 – 5/2020)
 - Self-perceived nutrition knowledge versus actual nutrition knowledge and willingness to participate in fad diets.
- Cardaci, T. Member, Thesis Committee, HHPR (12/2019 – 5/2020)
 - Title: Effects of resistance exercise load on androgen receptor-DNA binding, androgen regulated gene expression and *B*-catenin mediation in human skeletal muscle.
- Hwang, P. Member, Dissertation Committee HHPR (8/2018 - 7/2019)
 - Title: Effects of Pyrroloquinoline Quinone (PQQ) Supplementation on Mitochondrial Biogenesis, Mitochondrial Function and Aerobic Exercise Performance in Untrained Men
- Zambrano, J. Member, Thesis Committee Edu. Psychology (10/2019 – 6/2020)
 - Teaching Spanish-speaking parents to implement challenging behavior interventions.
- Bane, A. Member, Dissertation Committee HHPR (8/2019 – 5/2020)
 - Title: Effects of Blood Flow Restriction Resistance Training on Strength, Vascular and Motor Function in Persons with Parkinson's Disease.
- Forsse, J. Member, Dissertation Committee HHPR (5/2018 - 7/2018)
 - Title: Cardiovascular and Renal Responses to Continuous, Moderate and High-Intensity Interval Exercise in Mid-Spectrum CKD
- Papadakis, Z. Member, Dissertation Committee HHPR (5/2018 - 7/2018)

January 2023

- Title: The Effects of Short, Disrupted Sleep on Vascular and Metabolic Responses to Exercise
- Nieft, J. *Chair*, Thesis Committee, FCS (1/2017 - 5/2017)
 - Title: Local wellness policies: Key barriers of implementation

Undergraduate Honors Projects

- Bolin, A. (8/2021 – 5/2022)
 - Title: The effects of combined oral contraceptives with polycystic ovarian syndrome on female lipid profiles.
- Adugna, M. (8/2020 – 6/2021)
 - Title: Leucine Supplementation in Younger and Middle-Aged Adults
- Lowery, K. (8/2018 – 5/2019)
 - Title: Where are the ladies: The social and cultural reasons why women still shy away from weights in 2018.
- Hennigan, M. (9/2016 – 5/2017)
 - Leucine Supplementation in the Elderly.

PROFESSIONAL SERVICE

Professional Organization Affiliations

- Academy of Nutrition and Dietetics
- Texas Academy of Nutrition and Dietetics
- Member, National Strength and Conditioning Association
- International Society of Sports Nutrition

Journal Manuscript Reviewer

- PLOS One
- Military Medicine
- Journal of the Academy of Nutrition and Dietetics
- Eating Behaviors

University and Departmental Service

- Chair, Advisory Committee Dietetic Internship, Baylor University
- External member, Advisory Committee Dietetic Internship, US Army
- Member, Spiritual Life Advisory Committee
- Faculty Senator, RCHHS
- Chair, Search Committee Nutrition Faculty Positions x 3
- Member, Search Committee Exercise Physiology Positions x 3
- Member, Baylor Round Table (BRT)
- Member, Planning Committee BRT Christmas Concert & Scholarship Fund Raiser

January 2023

- Judge, URSA Scholar's week poster presentations
- Nutrition Representative, Premiere
- BU Representative, Texas A&M University Dietetic Internship Preparation Workshop

Professional Development/ Conferences Attendance

- Texas Academy of Nutrition and Dietetics Conference, April 2022
- International Society of Sports Nutrition Conference, June 2021
- Texas Academy of Nutrition and Dietetics Conference, April 2021
- Summer Faculty Institute, Baylor University, May – June 2020
- Federal Funding Workshop, sponsored by OSP, September 2019
- International Society of Sports Nutrition Conference, June 2019
- DXA Body Composition Analysis Training, June 2019
- Researchers' Early Career Award Support Collaborative Training, May 2019
- Nutrition and Dietetic Educators and Preceptors Training, March 2019
- Academy of Nutrition and Dietetics Conference, October 2018
- International Society of Sports Nutrition Conference, June 2018
- Texas Academy of Nutrition and Dietetics Conference, April 2018
- Rising Stars Program – January through April, 2018
- Faculty Development Training – “Demystifying the Flipped Classroom”, October 2018
- Faculty Development Training – “Identifying Your Strengths”, July 2017
- Faculty Development Training – “Every Summer Needs a Plan”, May 2017
- PIVOT Training, April 2017
- Texas Academy of Nutrition and Dietetics Conference, March 2017
- Texas Chapter American College of Sports Medicine Conference, February 2017
- DXA Body Composition Analysis Training, January and May 2017
- Biomedical and Health Career Awards, January 2017
- Write Winning Grant Proposals, January 2017
- Institutional Review Board Training, BU, September 2016
- New Faculty mentoring sessions, September and November 2016 and January 2017
- American College of Sports Medicine, TX chapter Symposiums, October 2016