

Jennifer C. Dennis-Wall, Ph.D.

Professional Summary:

I am a driven researcher interested in improving health outcomes and quality of life in people of all ages and health status. My doctoral program prepared me for work in clinical research including design and formal proposal of a research project, coordination and management using GCP guidelines, data management and analysis using various statistical software packages, and publication of results.

Education:

- 2018 Ph.D. in Nutritional Sciences, University of Florida
 Alumni Graduate Fellowship recipient
- 2013 B.S. in Biology, minor in Chemistry, University of North Texas
 Magna cum laude

Work Experience:

- 2018-current Founder and Owner, Sensical Science LLC
- Assist academics, physicians, students, and industry researchers with scholarly publications and scientific endeavors
 - Maintain a working knowledge of current events in science and medicine
- 2018-2019 Lead Scientific Writer, Biorasi
- Plan, write, and publish original content
 - Perform research on primary and secondary sources to create more powerful marketing materials
 - Guide the company on latest trends and best practices in implementing a best-in-class content marketing program
 - Work with thought leaders, internal and external, to develop presentations, panel discussion points, webinar notes, and speaker remarks

Research Experience:

- 2014-2018 Graduate research under Dr. Bobbi Langkamp-Henken, UF
- Immune and gastrointestinal responses to probiotic- and prebiotic-mediated changes in the intestinal microbiota of healthy adults
 - Designed, coordinated, analyzed data, and completed final reports for many clinical studies
 - Trained and managed teams of 20-30 study coordinators
- 2011-2013 Undergraduate research under Dr. Pamela Padilla, UNT
- Molecular and genetic responses to oxygen-related stresses in *Caenorhabditis elegans*
 - Designed experiments, maintained data sets and laboratory protocols, analyzed results
- 2013-2014 Student laboratory manual composition with Dr. Sushama Dandekar, UNT
- Evaluated experimental design for the purpose of teaching scientific concepts, developed technical writing skills

Publications:

- 2020 Judkins TC, **Dennis-Wall JC**, Madani Sims S, Colee J, Langkamp-Henken B. Stool frequency and form and gastrointestinal symptoms differ by day of the menstrual cycle in healthy adult women taking oral contraceptives: a prospective observational study. *BMC Womens Health* 2020 Jun 29;20(1):136.
- 2019 **Dennis-Wall JC**, Burns AM, Solch RJ, Ukhanova M, Dahl WJ, Christman MC, Boileau T, Brauchla M, Shin J-E, Nieves, Jr. C, Mai V, Langkamp-Henken B. A beverage containing orange pomace improves laxation and modulates the microbiome in healthy adults: a randomised, blinded, controlled trial. *J Funct Foods* 2019; 60.
- 2019 Culpepper T, Rowe CC, Rusch CT, Burns AM, Federico AP, Girard S-A, Tompkins TA, Nieves, Jr. C, **Dennis-Wall JC**, Christman MC, Langkamp-Henken B. Three probiotic strains exert different effects on plasma bile acid profiles in healthy obese adults: randomised, double-blind placebo-controlled crossover study. *Benef Microbes* 2019; 10(5):497–509.
- 2018 Burns AM, Solch RJ, **Dennis-Wall JC**, Ukhanova M, Nieves, Jr. C, Mai V, Christman MC, Gordon DT, Langkamp-Henken B. In healthy adults resistant maltodextrin produces a greater change in fecal bifidobacteria counts and increases stool wet weight: a double-blind, randomized, controlled crossover study. *Nutr Res* 2018; 60:33-42.
- 2017 **Dennis-Wall JC**, Culpepper T, Nieves, Jr. C, Rowe CC, Burns AM, Rusch CT, Federico A, Ukhanova M, Waugh S, Mai V, Christman MC, Langkamp-Henken B. Probiotics (*Lactobacillus gasseri* KS-13, *Bifidobacterium bifidum* G9-1, and *Bifidobacterium longum* MM-2) improve rhinoconjunctivitis-specific quality of life in individuals with seasonal allergies: a double-blind, placebo-controlled, randomized trial. *Am J Clin Nutr* 2017;105(3):758-67.
- 2016 **Dennis JC**, Culpepper T, Nieves, Jr. C, Ukhanova M, Mai V, Christman MC, Langkamp-Henken B. Probiotics (*Lactobacillus gasseri* KS-13, *Bifidobacterium bifidum* G9-1, and *Bifidobacterium longum* MM-2) and health-related quality of life in individuals with seasonal allergies. *FASEB J*, 2016; 30:916.17.

Presentations:

- 2019 Combs TM, **Dennis-Wall JC**, Colee J, Langkamp-Henken B. Characterization of perimenstrual gastrointestinal function and symptoms in healthy adult women: a prospective observational study. Poster presentation: SCIX, The Rosell Institute, Lallemand Health Solutions, Montréal, Québec, Canada 2019.
- 2019 Culpepper T, Rowe CC, Rusch CT, Burns AM, Federico AP, Girard S-A, Tompkins TA, Nieves, Jr. C, **Dennis-Wall JC**, Christman MC, Langkamp-Henken B. Three probiotic strains (*Bacillus subtilis* R0179, *Lactobacillus plantarum* HA-119, *Bifidobacterium animalis* subsp. *lactis* B94) exert different effects on plasma bile acid profiles in healthy obese adults: a randomised, double-blind placebo-controlled crossover study. Poster presentation: Probiota Europe, Copenhagen, Denmark 2019.
- 2018 Combs TM, **Dennis-Wall JC**, Langkamp-Henken B. Bowel habits and quality of life differ between two phases of the menstrual cycle in healthy adult women. Poster presentation: University Scholars Symposium, University of Florida, Gainesville, FL, USA 2018.

- 2018 Pea D, Langkamp-Henken B, **Dennis-Wall JC**, Ukhanova M, Mai V. The effects of orange pomace on gut microbiota. Poster presentation: Public Health and Health Professions Research Day, University of Florida, Gainesville, FL, USA 2018.
- 2016 **Dennis JC**, Culpepper T, Nieves, Jr. C, Ukhanova M, Mai V, Christman MC, Langkamp-Henken B. Probiotics (*Lactobacillus gasseri* KS-13, *Bifidobacterium bifidum* G9-1, and *Bifidobacterium longum* MM-2) and health-related quality of life in individuals with seasonal allergies. Poster presentation: Gut Health, Microbiota & Probiotics throughout the Lifespan: Metabolic & Brain Function, Boston, MA, USA 2016.
- 2016 **Dennis JC**, Culpepper T, Nieves, Jr. C, Ukhanova M, Mai V, Christman MC, Langkamp-Henken B. Probiotics (*Lactobacillus gasseri* KS-13, *Bifidobacterium bifidum* G9-1, and *Bifidobacterium longum* MM-2) and health-related quality of life in individuals with seasonal allergies. Poster presentation: Experimental Biology, San Diego, CA, USA 2016.
- 2012 **Dennis JC**, Little BA, Padilla PA. EGL-9 Function is Required to Produce Viable Offspring from Animals Exposed to Chronic Hypoxia. Poster presentation: *C. elegans* "Aging, Metabolism, Stress, Pathogenesis, and Small RNAs" topic meeting, Madison, WI, USA 2012.
- 2012 **Dennis JC**, Padilla PA. The Role of the EGL-9/HIF-1 Pathway in Chronic Hypoxia in the model *Caenorhabditis elegans*. Poster presentation: UNT Scholars Day, Denton, TX, USA 2012.

Teaching and Mentoring Experience:

- 2016-2018 Supervisor of undergraduate thesis projects
- Mentored students through project design, analysis, and publication
- 2014-2018 Teaching assistant
- Lectured on select topics
 - Designed and updated course assignments
 - Reviewed and wrote exam questions
- 2012-current Private tutor (paid position): math, physics, chemistry, biology, writing, grammar
- 2011-2013 Study group leader (volunteer position, recruited by professor), Organic Chemistry

Software Proficiency:

SAS
 JMP
 R
 SigmaPlot
 Some exposure to QIIME2 and Python

Additional Coursework:

- 2017 Applied Statistics II
- 2016 Immunology
- 2015 Prokaryotic Cell Structure and Function
- 2015 Meta-Analysis in Prevention and Intervention Science (UF College of Education)
- 2015 Introduction to Applied Statistics
- 2014 Research Planning

Certifications:

HIPAA, CITI, IRB-01, Bloodborne pathogens/biomedical waste, FERPA

Professional Affiliations:

2017-current Council of Science Editors, Worldwide Student Member

2015-current American Society for Nutrition, Student Member

Awards and Honors:

2018 Best Dissertation, Nutritional Sciences, UF

2016 Graduate Student Council Travel Grant, UF

2016 Three Minute Thesis Competition Finalist, Graduate School, UF

2015 A. S. Herlong, Sr. Graduate Scholarship, Food Science and Human Nutrition Dept., UF

2014 Alumni Graduate Fellowship, Food Science and Human Nutrition Dept., UF

2013 Outstanding Senior Award, Dept. of Biological Sciences, UNT

Awarded to 2 out of 292 graduating seniors

2012 Undergraduate Research Fellowship Award, Office of Research and Economic Development, UNT (20 total fellowships awarded)

2012 Tracy Lynn Quay Memorial Scholarship Award, Dept. of Biological Sciences, UNT

2009-2013 President's List & Dean's List, UNT

2009-2012 Board of Regents President Scholarship Award, UNT

2009-2012 Texas Higher Education Coordinating Board Top 10% Scholarship Award

2009 UNT Achievement Scholarship Award

Special Interests:

Bioinformatics and multivariate statistics

Public health policy

STEM education and outreach

Social and behavioral psychology

Technical and persuasive writing

Professional References:

Available upon request