

Emily B. Hill, PhD, RDN

PERSONAL INFORMATION

CONTACT

Assistant Professor, Department of Pediatrics – Section of Nutrition
 Nutrition Research Director, Colorado Clinical and Translational Sciences Institute Nutrition Core
 University of Colorado Anschutz, Anschutz Health and Wellness Center
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RESEARCH INTERESTS

- Multiple health behavior change programs
- Intervention development and optimization
- Evaluation of lifestyle behaviors and diet quality
- Nutritional metabolomics/dietary biomarkers
- Multi-omics integration in human trials
- Obesity and cancer prevention and survivorship

SKILLS AND PROFICIENCIES

- Research Electronic Data Capture (REDCap)
- Responsible Conduct of Research
- CITI Human Subjects Research/GCP
- OnCore Subject and Protocol Management
- Epic Electronic Health Record (EHR)
- VioScreen Food Frequency Questionnaire
- Nutrition Data System for Research (NDSR)
- NCI Diet History Questionnaire III (DHQ III)
- NCI Automated Self-Administered 24-hour (ASA24®) Dietary Assessment Tool
- Phenol-Explorer Database (PED)
- Nova Classification System

EDUCATION

- 2009 – 2013 The Ohio State University, Columbus, OH, USA
Bachelor of Science (BS), Health Sciences; Minors: Life Sciences; Biology; Economics
 Summa cum laude with Honors Research Distinction
 Advisor: Christopher A. Taylor, PhD, RDN, LD, FAND
 Thesis: *College student social media use and its relation to health behaviors*
- 2014 – 2017 The Ohio State University, Columbus, OH, USA
Master of Science (MS), Medical Dietetics
 Advisor: Colleen K. Spees, PhD, MEd, RDN, LD, FAND
 Thesis: *Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors*
- 2016 – 2021 The Ohio State University, Columbus, OH, USA
Doctor of Philosophy (PhD), Health and Rehabilitation Sciences
 Graduate Interdisciplinary Specialization in Biomedical, Clinical and Translational Science
 Advisors: Colleen K. Spees, PhD, MEd, RDN, LD, FAND; Steven K. Clinton, MD, PhD
 Dissertation: *Biomarkers of phytochemical intake in human trials focusing on modifiable dietary behaviors*
- 2021 – 2023 University of Colorado Anschutz, Aurora, CO, USA
Postdoctoral Fellowship, Nutritional Metabolomics
 Mentors: Sarah Borengasser, PhD; Nancy Krebs, MD, MS
- 2023 – 2024 University of Colorado Anschutz, Aurora, CO, USA
Postdoctoral Fellowship, Behavioral Weight Management
 Mentor: Victoria Catenacci, MD
- 2024 – 2026 The University of Colorado Anschutz, Aurora, CO, USA
Postdoctoral Fellowship, Optimization Trials
 Mentors: Victoria Catenacci, MD; Elizabeth Ryan, PhD; Siobhan Phillips, PhD, MPH

ACADEMIC APPOINTMENTS

2013	Undergraduate Teaching Assistant , The Ohio State University Center for Life Sciences Education, Columbus, OH
2015 – 2016	Graduate Fellow , School of Health and Rehabilitation Sciences, Division of Medical Dietetics, The Ohio State University, Columbus, OH
2016 – 2019	Graduate Teaching Associate , School of Health and Rehabilitation Sciences, Division of Medical Dietetics, The Ohio State University, Columbus, OH
2019 – 2021	Predoctoral Fellow , School of Health and Rehabilitation Sciences, Division of Medical Dietetics, The Ohio State University, Columbus, OH
2021 – 2024	Postdoctoral Fellow , School of Medicine, Department of Pediatrics, Section of Nutrition, University of Colorado Anschutz, Aurora, CO
2023 – present	Adjunct Member , University of Colorado Comprehensive Cancer Center, Aurora, CO
2024 – 2026	Research Instructor/Fellow , School of Medicine, Department of Pediatrics, Section of Nutrition, University of Colorado Anschutz, Aurora, CO
2024 – present	Dietetic Internship Research Rotation Director , Colorado Clinical and Translational Sciences Institute, University of Colorado Anschutz, Aurora, CO
2026 – present	Assistant Professor , School of Medicine, Department of Pediatrics, Section of Nutrition, University of Colorado Anschutz, Aurora, CO
2026 – present	Nutrition Research Director , Colorado Clinical and Translational Sciences Institute Nutrition Core, University of Colorado Anschutz, Aurora, CO

PROFESSIONAL POSITIONS

2011 – 2012	Research Assistant , Laboratory of Noel M. Paul, PhD; The Ohio State University Chemistry and Biochemistry Department, Columbus, OH
2012 – 2013	Research Assistant , Laboratory of Christopher A. Taylor, PhD, RDN, LD, FAND; The Ohio State University School of Health and Rehabilitation Sciences, Division of Health Sciences and Medical Dietetics, Columbus, OH
2013	Student Assistant , The James Cancer Hospital and Solove Research Institute, Columbus, OH
2013	Research Assistant , Laboratory of Michael A. Caligiuri, MD; The Ohio State University Comprehensive Cancer Center, Columbus, OH
2013 – 2014	Research Assistant 1 B/H , Laboratory of Guido Marcucci, MD; The Ohio State University Comprehensive Cancer Center, Columbus, OH
2014 – 2015	Research Assistant , Laboratory of Colleen K. Spees, PhD, MEd, RDN, LD, FAND; The Ohio State University School of Health and Rehabilitation Sciences, Division of Health Sciences and Medical Dietetics, Columbus, OH
2015 – 2016	Dietetic Intern , Multiple Locations, Columbus, OH Community Outreach and Engagement Primary Care/Outpatient Medical Nutrition Therapy Long Term Care Food Service Management Corporate Wellness Acute Care/Inpatient Medical Nutrition Therapy

- 2016 – 2021 **Nutrition Presenter; General Health Counselor**, Alyfe Wellbeing Strategies, Lewis Center, OH
- 2017 – 2018 **Invited Facilitator**, The Ohio State University Center for the Advancement of Teaching, Columbus, OH
- 2018 – 2024 **Continuing Education Reviewer**, Abbott Nutrition Health Institute, Columbus, OH

HONORS, SPECIAL RECOGNITIONS, AND AWARDS

**Peer-reviewed oral and poster awards are listed within Bibliography*

- 2009 **Maximus Scholarship Competition Finalist**, The Ohio State University
- 2009 – 2010 **Savliwala Scholarship**, Bishop Rosecrans High School Foundation
- 2009 – 2010 **Undergraduate Scholarship**, The Ohio State University Muskingum Co. Alumni Club
- 2009 – 2013 **Undergraduate Educational Endowment**, T.R. Murphy Law, Zanesville, OH
- 2009 – 2013 **Undergraduate Scholarship**, Huntington Financial Group, Zanesville, OH
- 2009 – 2013 **National Merit Scholarship**, National Merit Scholarship Corporation
- 2015 **Graduate Student Travel Award**, The Ohio State University Food Innovation Center
- 2015, 2016, 2017 **Natalie Ridgway Memorial Scholarship**, The Ohio State University College of Medicine, School of Health and Rehabilitation Sciences, Division of Medical Dietetics
- 2016 **Russell Klein Memorial Award (MS Level)**, The Ohio State University Russell Klein Nutrition Research Symposium
- 2016 **Outstanding Graduate Student**, Columbus Dietetic Association
- 2016 **Student Host**, The Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo
- 2016, 2017 **Foundation Scholarship**, The Academy of Nutrition and Dietetics
- 2017 **Selected Attendee**, John Milner Nutrition and Cancer Prevention Research Practicum sponsored by the Nutritional Science Research Group, National Cancer Institute & the Department of Nutrition at the Clinical Center, National Institutes of Health
- 2017 **Educational Grant**, The Academy of Nutrition and Dietetics Oncology Dietetic Practice Group
- 2017 **Outstanding Student Award**, Ohio Academy of Nutrition and Dietetics
- 2017 **MS Student of the Year**, The Ohio State University College of Medicine, School of Health and Rehabilitation Sciences
- 2019 **Ray Travel Award for Service and Scholarship**, The Ohio State University Council of Graduate Students
- 2021 **Selected Trainee**, Colorado Clinical and Translational Sciences Institute CO-Mentor Program
- 2022 **Postdoctoral Ngx Scholarship**, University of North Carolina Nutrition Research Institute, Nutrigenetics, Nutrigenomics and Precision Nutrition Short Course
- 2022, 2024 **NIH Loan Repayment Program Awardee**, National Heart, Lung, and Blood Institute at the National Institutes of Health
- 2022 **Postdoctoral Fellow Professional Development Award**, University of Colorado Postdoctoral Association
- 2022 **Scholar**, Cancer Prevention and Control Research Network (CPCRN) Mentored Scholars Program
- 2022 **Outstanding PhD Instructor/Fellow**, Colorado Nutrition Obesity Research Center (NORC) and Anschutz Health and Wellness Center (AHWC)
- 2023 **Early Career Member Travel Award**, Metabolomics Association of North America
- 2023 **Emerging Author Award**, Academy of Nutrition and Dietetics Research Dietetic Practice Group
- 2024 **INter NORC SPeaking ScholaR Initiative (INSPIRE) Scholar**, Nutrition Obesity Research Center at Harvard Medical School
- 2024 **Selected Participant**, Colorado Clinical and Translational Science Institute Colorado Immersion Training in Community Engagement (CIT) Program

2024	Graduate School Dean's Postdoctoral Research Award , University of Colorado Anschutz Graduate School
2024	Selected Participant , CADIO Multiphase Optimization Strategy (MOST) Training Workshop at New York University
2025	Rolls-Simons Travel Award , The Obesity Society
2025	Selected Participant , Advanced Workshop on Research Skills in Oncology, Harvard Medical School Center for Palliative Care

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

2014 – 2021	The Columbus Dietetic Association Public Policy Chair, 2016 – 2018
2014 – 2021	Ohio Academy of Nutrition and Dietetics Awards Committee, 2020 – 2021
2014 – present	Academy of Nutrition and Dietetics Student Liaison to The Ohio State University, 2014 – 2017 Research Dietetic Practice Group, 2015 – present Oncology Nutrition Dietetic Practice Group, 2015 – present Oncology Nutrition Dietetic Practice Group Speakers Bureau, 2018 – present Council on Research, Dissemination Subcommittee, 2018 – 2022
2019 – 2022	Society for Nutrition Education and Behavior (SNEB)
2019 – present	American Society for Nutrition (ASN)
2020 – present	Metabolomics Association of North America (MANA)
2021 – present	International Society of Behavioral Nutrition and Physical Activity (ISBNPA) Lead Communications Officer, Cancer Prevention & Management, 2022 – 2025 Webinar Officer, Cancer Prevention & Management, 2025 – present
2021 – present	Colorado Academy of Nutrition and Dietetics
2021 – present	Colorado Nutrition Obesity Research Center (NORC)
2021 – present	Colorado Clinical and Translational Science Institute (CCTSI)
2022 – 2024	American Heart Association (AHA)
2022 – present	The Obesity Society (TOS) Nutrition Action Alliance Representative, 2023 – present
2022 – present	Society of Behavioral Medicine (SBM) OBBI SIG Trainee Liaison, 2025 – present
2022 – present	Metabolomics Society
2024 – present	COnsortium of METabolomics Studies (COMETS)
2025 – present	Multinational Association of Supportive Care in Cancer (MASCC)

SERVICE RESPONSIBILITIES

DEPARTMENT/DIVISION/CENTER

2016	Panelist , Interdisciplinary Training for Medical/Pharmacy Students at The Ohio State University
2016	Lead Facilitator , Interprofessional Simulations for Medical Dietetics Students at The Ohio State University
2018	Division Representative , School of Health and Rehabilitation Sciences New Student Welcome Event at The Ohio State University
2018, 2019	Planning Committee Member , The Ohio State University College of Medicine, School of Health and Rehabilitation Sciences, Division of Medical Dietetics Natalie Ridgway Memorial Fundraiser
2018 – 2021	Founding Member , The Ohio State University School of Health and Rehabilitation Sciences Leadership Academy

- 2019 – 2021 **Graduate Student Representative**, The Ohio State University School of Health and Rehabilitation Sciences Graduate Studies Committee
- 2022 – 2023 **Lead Nutrition Fellow**, The University of Colorado Anschutz T32 Nutrition Research Training Program
- 2023 – present **Committee Member**, Anschutz Health and Wellness Center Wellness Committee

UNIVERSITY

- 2018 – 2019 **Conference Planning Co-Chair**, The Ohio State University Russell Klein Nutrition Research Symposium
- 2018, 2020 **Conference Planning Committee Member**, The Ohio State University Russell Klein Nutrition Research Symposium
- 2019 **Proctor**, The Ohio State University Hayes Graduate Research Forum
- 2019 – 2020 **Peer Mentor**, The Ohio State University Graduate Society of Nutritional Sciences Peer Mentorship Program
- 2023 **Workshop Planning Committee Member**, Colorado Nutrition Obesity Research Center (NORC) Cancer Metabolism Workshop
- 2024 **Annual Retreat Planning Committee Member**, Colorado Nutrition Obesity Research Center (NORC)
- 2025 – present **Executive Committee Member**, Colorado Nutrition Obesity Research Center (NORC)

HOSPITAL

- 2015 **Conference Planning Committee Member**, Nationwide Children's Hospital 28th Annual Celiac Conference
- 2015, 2016 **Workshop Planning Committee Member**, Nutrition-Focused Physical Exam Workshop, The Ohio State University Wexner Medical Center

COMMUNITY OUTREACH

- 2014 – 2020 **Volunteer Coordinator and Student Supervisor**, The James Cancer Hospital JamesCare for Life Garden of Hope Community Garden for Cancer Survivors
- 2015 – 2021 **Volunteer**, LifeCare Alliance/Meals-on-Wheels
- 2024 – present **Volunteer/Organizer**, The University of Colorado Cancer Center/UCHealth Breast Center Annual Survivorship Conference

LICENSURE AND CERTIFICATIONS

- 2017 – present **Registered Dietitian Nutritionist**, Commission on Dietetic Registration, Chicago, IL

REVIEW AND REFEREE WORK

NATIONAL

- 2017 – 2021 **Mentored Reviewer**, American Institute for Cancer Research (AICR) Newsletter
- 2020 – 2022 **Abstract Reviewer**, Society for Nutrition Education and Behavior Annual Conference
- 2022 – present **Implementation Grant Reviewer**, Iowa Cancer Consortium

LOCAL

- 2017 **Poster Judge**, The Ohio State University Fall Undergraduate Research Forum
- 2017 **Poster Judge**, The Ohio State University Spring Undergraduate Research Forum
- 2018 **Career Development Grant Reviewer**, The Ohio State University Council of Graduate Students
- 2019 **3-Minute Thesis Judge**, The Ohio State University Undergraduate Research Festival
- 2025 – present **Grant Reviewer**, Colorado Clinical and Translational Sciences Institute Pre-F (NRSA Fellowships) and Pre-K Grant Review Programs

2025 – present **Grant Reviewer**, Colorado Nutrition Obesity Research Center (NORC) Pilot and Feasibility Grant Program

JOURNAL PEER REVIEW

2018 – 2021 **Mentored Reviewer**, Journal of Nutrition Education and Behavior (JNEB)
 2018 – present **Invited Ad Hoc Reviewer**, Journal of the American College of Nutrition (JACN)
 2022 – present **Invited Early Career Editorial Board Member**, Nutrition Reviews
 2022 – present **Invited Ad Hoc Reviewer**, Obesity; British Journal of Nutrition (BJN)
 2023 – present **Invited Ad Hoc Reviewer**, Nutrition Research; Journal of the Academy of Nutrition and Dietetics (JAND); Journal of Nutrition Education and Behavior (JNEB)
 2024 – present **Invited Ad Hoc Reviewer**, Contemporary Clinical Trials; Journal of the National Cancer Institute (JNCI)
 2025 – present **Invited Ad Hoc Reviewer**, F1000 Research; Supportive Care in Cancer

INVITED EXTRAMURAL ORAL PRESENTATIONS

INTERNATIONAL

1. Unique-to-salmon compounds increase in plasma and are associated with cardiovascular health following a Mediterranean diet intervention. *Metabolomics Association of North America Early Career Member Postdoc Event: Showcase of Emerging and Innovative Research Webinar*. Nov 2022. **One of five selected presenters**
2. Integration of nutritional metabolomics in clinical dietary intervention studies. *CONsortium of METabolomics Studies (COMETS) Diet Working Group Virtual Meeting*. May 2024.

NATIONAL

1. Proteomics, dietary intake, and changes in cardiometabolic health within a behavioral weight loss intervention: A pilot study. *The Obesity Society 10th Annual Obesity Journal Symposium*; San Diego, CA. Nov 2022. **One of five selected manuscripts for oral symposium**
2. Use of co-design for the development and implementation of nutrition interventions in post-treatment survivorship programming. *Oncology Nutrition Dietetic Practice Group Webinar*. Dec 2023.
3. Nutritional recommendations for cancer survivorship. *Nestlé Health Science Webinar*. May 2024.
4. Determining intervention components during the preparation phase of MOST. *Society of Behavioral Medicine Optimization of Behavioral and Biobehavioral Interventions (OBBI) Special Interest Group How-To Webinar Series*. Aug 2025.
5. Integration of multi-omics to predict and evaluate response during the design and optimization of multiple health behavior change interventions. *The Obesity Society ObesityWeek 2025*. Atlanta, GA. Nov 2025.
6. On the precipice of a paradigm shift? The potential of novel dietary exposure biomarkers for measuring diet and health within Food is Medicine interventions. *Utilizing innovative technology-enhancements for developing, implementing, and evaluating food is medicine interventions symposium at Society of Behavioral Medicine (SBM) 2026*. Chicago, IL. Apr 2026.

STATE AND REGIONAL

1. Nutrition, cancer prevention, & garden-based lifestyle interventions. *Facing Our Risk of Cancer Empowered (FORCE)*; Columbus, OH. May 2018.
2. Talk with a doc: cancer prevention and survivorship. *Ovarian Cancer Alliance of Ohio*; Columbus, OH. Apr 2019.
3. Plant-based dietary patterns and other lifestyle behaviors in cancer survivorship: current evidence. *Cancer Support Community*; Columbus, OH. May 2019.

4. Evidence-based nutrition recommendations during and after a cancer diagnosis: discuss with a dietitian. *Rare Cancers Support Group*; Denver, CO. Oct 2022.
5. The impact of diet on long-term health during cancer survivorship: discuss with a dietitian. *Rare Cancers Support Group*; Denver, CO. Mar 2024.
6. Foodomics: how knowing more about what's in our foods will lead to a new nutrition. *The Indiana Academy of Nutrition and Dietetics Annual Conference*; Indianapolis, IN. Apr 2024.
7. Optimization and -omics integration to design and evaluate behavioral interventions. *The 21st Annual Russell Klein Memorial Nutrition Research Symposium*; Columbus, OH. Mar 2025.
8. Enhancing translation of survivorship nutrition programming to community settings. *Community Advisors for Research Equity in Science (CARES) Meeting*; Aurora, CO. Mar 2026.

LOCAL

1. Growing hope: comprehensive lifestyle intervention increases fruit and vegetable intake and carotenoid status in overweight cancer survivors. *School of Health and Rehabilitation Sciences Grand Rounds*; Columbus, OH. Apr 2016.
2. HOPE Labs introducing biobehavioral garden-based research targeting vulnerable populations: Key biomarkers of dietary exposure in cancer survivorship. *Center for Advanced Functional Foods Research and Entrepreneurship Membership Meeting at The Ohio State University*; Columbus, OH. Jul 2019.
3. Defining and measuring adherence: application of exposure biomarkers in lifestyle intervention trials. *Health and Rehabilitation Sciences Grand Rounds at The Ohio State University*; Columbus, OH. Jan 2021.
4. Application of targeted nutritional metabolomics to assess phytochemical intake in clinical trials focusing on dietary patterns. *University of Colorado Anschutz Nutrition Seminar Series*; Aurora, CO. Sept 2021.
5. Nutritional metabolomics within clinical trials. *University of Colorado Pediatric Endocrinology Research Group*; Aurora, CO. Nov 2021.
6. Nutrition dark matter and why it matters. *University of Colorado Postdoctoral Association Seminar Series*; Aurora, CO. May 2022.
7. Uncovering nutrition dark matter: a foodomics approach to evaluating dietary interventions. *University of Colorado Anschutz Nutrition Seminar Series*; Aurora, CO. Oct 2022.
8. Proteomics, diet, and heart health: is there a connection? *University of Colorado Postdoctoral Association Seminar Series*; Aurora, CO. Oct 2022.
9. -Omics applications in the evaluation of dietary and behavior change interventions. *Colorado State University Human Nutrition Seminar Series*; Fort Collins, CO. Nov 2022.
10. Adherence and assessment: considerations for how we modify and measure dietary behavior. *Colorado State University Invited Nutrition Seminar*; Fort Collins, CO. Feb 2023.
11. Nutrition in cancer: development and evaluation of lifestyle interventions for improved survivorship. *University of Colorado School of Medicine Clinical Nutrition Special Interest Group Seminar*; Aurora, CO. Apr 2023.
12. Human-centered design of a survivorship nutrition intervention: development of the BfedBwell program. *University of Colorado Nutrition Obesity Research Center (NORC) Cancer Metabolism Workshop*; Aurora, CO. Aug 2023.
13. Foodomics: harnessing metabolomics in the era of food as medicine. *Children's Hospital Colorado 12th Annual Updates in Pediatric Clinical Nutrition Conference*; Aurora, CO. Nov 2023.
14. Exploration of multi-omics assessments within nutrition interventions to evaluate impacts on health. *University of Colorado School of Medicine Endocrine Seminar Series*; Aurora, CO. Mar 2024.

15. BfedBwell: rationale, progress, and future directions. *Anschutz Health and Wellness Center Town Hall*; Aurora, CO. May 2024.
16. Using -omics insights to measure the impact of diet-related behavior change. *Pennington Biomedical Research Center Invited Speaker Series*; Baton Rouge, LA. Sept 2024.
17. A University of Colorado Cancer Center-supported nutrition program for cancer survivors with overweight or obesity is feasible, acceptable, and improves diet quality and cardiometabolic health. *University of Colorado Cancer Center Scientific Retreat*; Aurora, CO. Sept 2024.
18. Getting the MOST out of behavioral interventions: co-design and optimization of a nutrition program for cancer survivorship. *University of Alabama at Birmingham NORC Seminar Series*; Birmingham, AL. Dec 2024.
19. Leveraging existing infrastructure to develop and adapt lifestyle programs for enhanced survivorship. *University of Colorado Cancer Center Cancer Prevention and Control Seminar Series*; Aurora, CO. Feb 2025.
20. Developing and implementing clinical programs to support nutrition in cancer survivorship. *University of Colorado Cancer Center Lunch and Learn Webinar Series*; Aurora, CO. Feb 2025.
21. What is the optimal lifestyle intervention? Designing and evaluating programs in the era of precision nutrition. *University of Oklahoma Health Sciences Center Nutritional Sciences Invited Seminar*; Oklahoma City, OK. Apr 2025.
22. Multiple health behavior change interventions: design, optimization, and evaluation. *The Ohio State University Medical Dietetics Invited Seminar*; Columbus, OH. May 2025.
23. Optimization and -omics integration: new strategies for modifying and measuring dietary behavior. *University of Utah Nutrition and Integrative Physiology Invited Seminar*; Salt Lake City, UT. Jun 2025.
24. The future of precision survivorship: optimizing behavioral interventions using -omics insights. *Fred Hutchinson Cancer Center and University of Washington NORC Invited Seminar*; Seattle, WA. Jun 2025.
25. BfedBwell: optimizing a multiple health behavior change intervention for weight management in cancer survivorship. *Anschutz Health and Wellness Center Town Hall*; Aurora, CO. Jul 2025.
26. Toward precision lifestyle interventions: Optimizing nutrition through -omics integration within behavioral programs. *University of Colorado Anschutz Nutrition Seminar Series*; Aurora, CO. Oct 2025.
27. Feasibility and preliminary efficacy of an integrated nutrition and exercise intervention for behavioral weight loss in cancer survivorship. *University of Colorado Nutrition Obesity Research Center (NORC) Annual Retreat*; Aurora, CO. Oct 2025.

TEACHING RECORD

COURSES TAUGHT

Undergraduate Courses

The Ohio State University, Columbus, OH

Sp 2013	BIO 1113: Introductory Biology (3 credits, UTA)
Au 2016, 2017, 2018	MEDDIET 4900: Nutrition Assessment (3 credits, GTA)
Sp 2016	HTHRHS 5900: Health Sciences Research: Interpretations and Applications (3 credits, GTA)
Sp 2016	MEDDIET 4500: Community Nutrition (3 credits, GTA)
Su 2019	MEDDIET 3100: Human Nutrition and Metabolism (3 credits, Lead Instructor)

Graduate Courses

The Ohio State University, Columbus, OH

Sp 2017, 2018, 2019	MEDDIET 6001: Foundations in Research and Application I (1 credit, GTA)
Sp 2017, 2018, 2019	MEDDIET 6003: Foundations in Research and Application III (1 credit, GTA)

PRESENTATIONS AND LECTURES

Undergraduate Courses

The Ohio State University, Columbus, OH

1. HUMNTR 5611: Medical Nutrition Therapy I. Nutritional genomics. Nov 2017.
2. HUMNTR 5611: Medical Nutrition Therapy I. Nutritional genomics: update of the evidence. Nov 2018.
3. MEDDIET 4923: Nutrition Care Process IV. Nutritional genomics, oncology, and dietetics. Jan 2019.
4. MEDDIET 4923: Nutrition Care Process IV. Nutritional genomics, oncology, and dietetics. Jan 2020.

Graduate and Professional Courses

The Ohio State University, Columbus, OH

1. MEDDIET 6002: Foundations in Research and Application II. Effective research communication: preparation and formatting for oral presentations. Dec 2018.
2. MEDDIET 6900: Nutritional Genomics. Application of nutritional genomics to assessment of biomarkers of dietary exposure. Aug 2019.
3. FST 7830: Phytochemicals in Human Health: From Crops to Clinic. Behavior modifications to improve phytochemical consumption. Nov 2019.
4. MEDDIET 6003: Foundations in Research and Application III. Preparation and formatting for oral presentation of academic research. Jan 2020.
5. MEDDIET 6003: Foundations in Research and Application III. Building skills for effective research communication. Jan 2020.
6. MEDDIET 6002: Foundations in Research and Application II. Data management and visual representation in academic research. Nov 2020.
7. MEDDIET 6003: Foundations in Research and Application III. Writing effective abstracts. Jan 2021.
8. MEDDIET 6001: Foundations in Research and Application I. Introduction to and planning for a graduate thesis project. Feb 2021.
9. MEDDIET 6003: Foundations in Research and Application III. Creating impactful scientific research posters. Feb 2021.
10. HRS 7150: Health and Rehabilitation II. Panel discussion: navigating the transition from a PhD program to an academic career. Mar 2021.
11. FST 7830: Phytochemicals in Human Health: From Crops to Clinic. Designing and evaluating behavior change programs to improve phytochemical consumption. Nov 2021.

The University of Colorado, Denver | Anschutz, Aurora, CO

1. BIOE 5041: Clinical Experiences for Bioengineers. The intersection of bioengineering and nutrition: innovation in biomarker discovery, microbiome evaluation, and beyond. Apr 2023.
2. DSCD 5502: Nutrition. The impact of diet on oral and overall health: nutrition 101 for the dental practitioner. May 2024.
3. DSCD 5502: Nutrition. The impact of diet on oral and overall health: nutrition 101 for the dental practitioner. Jul 2025.
4. BIOE 5041: Clinical Experiences for Bioengineers. The intersection of bioengineering and nutrition: innovation in biomarker discovery, microbiome evaluation, and beyond. Feb 2026.
5. DSCD 6601: Community Public Health 2. The impact of diet on oral and overall health: nutrition 101 for the dental practitioner. Feb 2026.

Dietetic Internships

Children's Hospital Colorado and Tri-County Health Department, Aurora, CO

1. CCTSI-sponsored Dietetic Research Rotation. Dietary assessment in research: metabolomics approaches. Nov 2021.
2. CCTSI-sponsored Dietetic Research Rotation. Incorporation of -omics technologies into nutrition research. Nov 2022.
3. CCTSI-sponsored Dietetic Research Rotation. Design and integration of -omics assessments in behavioral intervention trials to improve dietary patterns. Nov 2023.

Professional Development

Colorado State University Spur Campus, Denver, CO

1. Colorado Extension Association-Family and Consumer Sciences (CEA-FCS) Professional Development Retreat. Functional foods for colorectal cancer prevention: hands on skills development and cooking for extension educators. Sept 2023.

MENTORSHIP

Dietetic Internship Clinical Preceptor

2024	Grace Atchison , Children's Hospital Colorado Dietetic Internship
2024	Katherine Baker , Children's Hospital Colorado Dietetic Internship
2024	Allison Baldyga , Children's Hospital Colorado Dietetic Internship
2024	Olivia Brabant , Children's Hospital Colorado Dietetic Internship
2024	Jennifer DiBuono , Children's Hospital Colorado Dietetic Internship
2024	Jane Leverich , Children's Hospital Colorado Dietetic Internship
2025	Sarah Bomers , Children's Hospital Colorado Dietetic Internship
2025	Krystal Bosenbark , Children's Hospital Colorado Dietetic Internship
2025	Lisa Brownlee , Children's Hospital Colorado Dietetic Internship
2025	Emily Chichlowski , Children's Hospital Colorado Dietetic Internship
2025	Callie Gitlin , Children's Hospital Colorado Dietetic Internship
2025	Vinka Martinez , Children's Hospital Colorado Dietetic Internship

Research Services Professionals

2023 – 2025	Claudia Schaefer, BS , Intermediate Research Services Professional at the University of Colorado Anschutz <u>Project</u> : BfedBwell survivorship nutrition clinical trial <u>Role</u> : Supervisor/Mentor <i>Mentee Accomplishments</i> : 1 first-author published abstract; 1 national poster presentation
2025 – present	Chloe Simpson, BS , Beginner Research Services Professional at the University of Colorado Anschutz <u>Project</u> : BfedBwell survivorship nutrition clinical trial <u>Role</u> : Supervisor/Mentor
2025 – present	Gabrielle Glime, MA, CLC , Intermediate Research Services Professional at the University of Colorado Anschutz <u>Project</u> : BfedBwell survivorship nutrition clinical trial <u>Role</u> : Supervisor/ Mentor
2025 – present	Melissa Mamele, MS, RD, CSCS , Senior Research Services Professional at the University of Colorado Anschutz <u>Project</u> : BfedBwell survivorship nutrition clinical trial <u>Role</u> : Supervisor/Mentor

High School Students

2021 – 2022	Ava Flood , BVSD High School. <u>Project</u> : Foodomics: Unique-to-salmon compounds and their derivatives are associated with dietary intakes <u>Role</u> : Near-Peer (Postdoctoral) Mentor
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Mentee Accomplishments: 1 regional science fair poster presentation, 1 local oral presentation

2021 – 2022 **Kaitlin Swanson**, BVSD High School. Project: Foodomics: Unique-to-salmon compounds and their derivatives are associated with dietary intakes Role: Near-Peer (Postdoctoral) Mentor

Mentee Accomplishments: 1 regional science fair poster presentation, 1 local oral presentation

2021 – 2022 **Robert Thompson**, BVSD High School. Project: Foodomics: Unique-to-salmon compounds and their derivatives are associated with dietary intakes Role: Near-Peer (Postdoctoral) Mentor

Mentee Accomplishments: 1 regional science fair poster presentation, 1 local oral presentation

Undergraduate Students

2014 – 2015 **Roy Gildersleeve, RD, LD**, Medical Dietetics at The Ohio State University. Thesis: Obesity-related comorbidities and cancer survivorship Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 local poster presentation

2014 – 2015 **Emily Fitz, RD, LD**, Medical Dietetics at The Ohio State University. Thesis: Development, implementation, and evaluation of evidence-based cooking videos for cancer survivors Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 first-author published abstract; 1 first-author manuscript; 1 national poster presentation; 1 local poster presentation; 1st place poster award

2017 – 2018 **Qi Hui Wong, RD, LD**, Medical Dietetics at The Ohio State University. Thesis: Diet, nutrition, and physical activity and the risk of oral, nasopharyngeal, and larynx cancers: translating systematic reviews for clinicians Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 local poster presentation; 1st place poster award

2018 – 2019 **Jeffrey Laubert, RD, LD**, Medical Dietetics at The Ohio State University. Project: Growing Healthy Kids: feasibility of a garden-based nutrition education intervention for low-resource families Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 first-author published abstract; 1 national poster presentation; 1 state/regional poster presentation; 1st place poster award

MS Graduate Students

2017 – 2018 **Nicole Jontony, MS, RD, LD, CSSD**, Allied Medicine at The Ohio State University. Thesis: Body composition, dietary patterns, and carotenoid status in division I athletes Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 first-author manuscript

2018 – 2019 **Anna Pashkova, MS, RD, ACSM EP-C**, Medical Dietetics at The Ohio State University. Thesis: A comparison of the relationship between urinary flavonoid metabolites and 1, 2, or 3 days of diet records Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 first-author published abstract; 1 national poster presentation; Oncology Nutrition DPG 1st place student research award; 2 local poster presentations

2019 – 2020 **Michelle Sweeney, MS, RD**, Medical Dietetics at The Ohio State University. Thesis: Differences in diet quality in division I athletes by team access to fueling stations Role: Near-Peer (Graduate Student) Mentor

Mentee Accomplishments: 1 first-author published abstract; 1 national poster presentation

- 2019 – 2020 **Jacqueline Trance, MS, RD**, Medical Dietetics at The Ohio State University. Thesis: Associations between dietary patterns, sex, and year in school in division I collegiate athletes Role: Near-Peer (Graduate Student) Mentor
Mentee Accomplishments: 1 first-author published abstract; 1 national poster presentation
- 2020 – 2021 **Jessica Flynn, MS, RD**, Medical Dietetics at The Ohio State University. Project: Development, implementation, and pilot process evaluation of remote educational tools to deliver dietary fiber education to young adults Role: Near-Peer (Graduate Student) Mentor
- 2020 – 2021 **Lauren Cubellis, MS, RD**, Medical Dietetics at The Ohio State University. Thesis: Differences in adherence to cardiovascular lifestyle recommendations, diet quality, and weight loss strategies by weight loss status in a nationally representative sample of US adults Role: Near-Peer (Graduate Student) Mentor
Mentee Accomplishments: 1 first-author published abstract; 1 national poster presentation; 1 local poster presentation
- 2021 – 2023 **Mobin Khajeh-Sharafabadi, MS**, Statistics at the University of Colorado Denver. Project: Statistical analysis of lipid-soluble unique-to-salmon compounds identified via metabolomics Role: Near-Peer (Postdoctoral) Mentor
- 2021 – 2024 **Sakaiza Rasolofomanana-Rajery, MS**, Statistics at the University of Colorado Denver. Project: Statistical analysis of aqueous unique-to-salmon compounds identified via metabolomics Role: Near-Peer (Postdoctoral) Mentor
Mentee Accomplishments: 1 international oral presentation

PhD Graduate Students

- 2022 – present **Kathryn Garvey, MS**, Biomedical Engineering at the University of Colorado Anschutz. Project: Pilot study to evaluate utility of a novel, minimally invasive capsule to measure the microbiome in healthy adults Role: Near-Peer (Postdoctoral) Mentor
Mentee Accomplishments: 1 regional poster presentation; 1st place graduate student poster award, 1 first-author manuscript in review
- 2023 – 2025 **Matthew Breit, MS, RD, LD**, Integrated Physiology at the University of Colorado Anschutz. Project: Change in appetite regulation, reward-based eating, and dietary adherence during behavioral weight loss Role: Near-Peer (Postdoctoral) Mentor
Mentee Accomplishments: 1 national oral presentation, 1 national poster presentation, 1 published first-author manuscript, 2 published first-author abstracts, 1 local poster presentation
- 2025 – present **Omid Nabavizadeh**, Biomedical Engineering at the University of Colorado Anschutz. Project: Pilot study to evaluate utility of a novel, minimally invasive capsule to measure the microbiome in lean vs obese adults Role: Near-Peer (Postdoctoral) Mentor

GRANT SUPPORT

PENDING SUPPORT

1. **NIH R01CA309225 (MPI: Patel, Ryan)** **12/2026 – 11/2031**
Bran/beans Enriched Nutritional Eating For Intestinal Cancer Interception in Adults with Lynch syndrome (BENEFICIAL)
The primary objective of this proposal is to test whether specific whole foods (rice bran and navy beans) can reduce cancer risk by improving immune function and beneficial metabolites in the colon.
Award: \$4,728,267 total costs
Role: Co-Investigator

2. **NIH R01CA312380 (MPI: Catenacci, Kabos, MacLean)** **12/2026 – 11/2031**
4:3 intermittent fasting to enhance weight loss, cardiometabolic health, and patient reported outcomes in breast cancer survivors receiving anti-endocrine therapy
 The primary objective of this proposal is to compare the effect of 4:3 intermittent fasting to daily caloric restriction on weight loss and survivorship health outcomes in breast cancer survivors with overweight or obesity over 1 year.
 Award: \$3,899,969 total costs
Role: Co-Investigator
3. **NIH R01 DK150276 (PI: Catenacci)** **12/2026 – 11/2031**
Optimization of a comprehensive lifestyle intervention to support highly effective anti-obesity medication initiation
 The primary objective of this proposal is to conduct a factorial optimization trial to construct a resource-efficient lifestyle intervention for adults initiating a highly effective anti-obesity medication (HEAOM) that enhances real-world weight loss and other important health outcomes.
 Award: \$4,362,705 total costs
Role: Co-Investigator
4. **NIH R01AR088216 (MPI: Bonetto, Novinger, Thomas)** **07/2026 – 06/2031**
Characterization of the liver-gut-muscle axis in head and neck cancer cachexia
 The goal for this study is to determine if nutritional intervention affects muscle function through the gut-liver-muscle axis.
 Award: \$3,714,967 total costs
Role: Co-Investigator

ACTIVE SUPPORT

1. **World Cancer Research Fund INSPIRE Research Challenge (PI: Hill)** **04/2026 – 03/2027**
Impact of an integrated nutrition and exercise program for post-treatment survivors on sleep quality, perceived stress, and biomarkers of immune dysregulation
 The goals are to (1) evaluate integration of education on sleep health and stress management into a nutrition and exercise intervention and (2) pilot test an augmented intervention that incorporates objective measures of sleep, physical activity, and body weight
 Award: \$99,999 direct costs
Role: Principal Investigator
2. **Colorado NORC Implementation Pilot Award for Clinical Translation (PI: Hill)** **03/2026 – 02/2027**
BfedBwell for Families: co-design of a nutrition program for childhood cancer survivors
 The goal is to assess contextual factors affecting clinical implementation of lifestyle programming and gather input from a diverse group of potential program adopters to adapt an adult survivorship program to meet the needs and preferences of childhood cancer survivors
 Award: \$35,000 direct costs
Role: Principal Investigator
3. **University of Colorado Cancer Center Investigator Initiated Trials (PI: Hill)** **01/2024 – 12/2028**
BfedBwell: Design and integration of a survivorship nutrition intervention into an established exercise oncology program
 The goal is to support the costs of the University of Colorado Cancer Center-funded clinical trial to develop a survivorship nutrition intervention.
 Award: \$50,000 direct costs
Role: Principal Investigator
4. **NIH/NCI 5K99CA287061 (PI: Hill)** **03/2024 – 08/2026**
Integration of multi-omics to predict and evaluate response during optimization of a nutrition intervention for cancer survivors with overweight and obesity
 The goals are to (1) use the Multiphase Optimization Strategy to conduct a factorial trial to test components within a multiple health behavior change intervention for cancer survivorship, with a goal to

improve adherence to lifestyle recommendations, weight, and cardiometabolic health and (2) integrate multi-omics assessments to evaluate change in diet and explore associations with health.

Award: \$217,024 direct costs

Role: Principal Investigator

5. **University of Colorado Cancer Center Investigator Initiated Trials (PI: Hill) 03/2024 – 12/2028**

BfedBwell: Multiphase Optimization Strategy pilot trial of a nutrition intervention for cancer survivors with overweight and obesity.

The goal is to support the costs of the NCI K99 clinical trial to test a multiple health behavior change intervention for cancer survivorship.

Award: \$50,000 direct costs

Role: Principal Investigator

6. **Colorado Clinical and Translational Science Institute MicroGrant (PI: Hill) 01/2025 – 12/2026**

Changes in cardiometabolic health during optimization of an integrated survivorship nutrition and exercise program

The goal is to evaluate changes in body weight, body composition, and indicators of cardiometabolic health during the optimization of a combined diet and exercise program for cancer survivors post-active treatment.

Award: \$20,000 direct costs

Role: Principal Investigator

AWARDED SUPPORT

2. **The Ohio State University Graduate School Presidential Fellowship (PI: Hill)* 08/2019 – 08/2020**

Defining urinary polyphenol metabolites as biomarkers of dietary exposure in cancer survivors

The goal was to assess a comprehensive panel of urinary metabolites reflective of a plant-based dietary pattern, including fruits, vegetables, whole grains, nuts, seeds, beans, and legumes to define exposure to and effect of (poly)phenols on cardiometabolic health indicators within a lifestyle intervention.

Award: Tuition, fees, stipend

Role: Predoctoral Fellow/Trainee

**Declined funding due to acceptance of TL1 Fellowship*

COMPLETED SUPPORT

1. **The Ohio State University Distinguished Scholarship 08/2009 – 05/2013**

The goal is to support undergraduate student education. Selection is based upon National Merit Scholarship competition.

Award: Tuition, fees (annually)

Role: Undergraduate Trainee

2. **The Ohio State University College of Medicine, School of Health and Rehabilitation Sciences Undergraduate Research Scholarship (PI: Hill) 06/2012 – 05/2013**

College student social media use and its relation to health behaviors

The goal was to assess the relationships between perceptions of health, nutrition and physical activity behaviors, and social media use among college students enrolled in a health-related program

Award: \$2,500 direct costs

Role: Principal Investigator

3. **The Ohio State University Graduate School University Fellowship 08/2015 – 08/2016**

The goal is to support first year graduate student education. Selection is based upon nomination from school/college, followed by university-wide competition.

Award: Tuition, fees, stipend

Role: Graduate Trainee

4. **The Ohio State University M. Rosita Schiller Research Award (PI: Hill) 01/2018 – 12/2018**

The impact of the Nutrition and Exercise Trial (NExT) on dietary patterns and biomarkers of carotenoid

intakes in overweight cancer survivors

The goal was to assess change in total diet quality, dietary intake of carotenoids, and biomarkers of carotenoid status (skin, plasma) after participation in a garden-based lifestyle intervention.

Award: \$2,000 direct costs

Role: Principal Investigator

5. **NIH/NCATS TL1TR002735-03 (mPI: Kirschner, Bumgardner)** **08/2019 – 08/2021**
The Ohio State University Mentored Clinical Research Training Program
 The goal of this training program is to increase the number of well-trained clinician-scientists who can lead the design and oversight of future clinical investigations critical to address the nation's biomedical, behavioral, and clinical needs.
 Award: Tuition, fees, stipend, \$4,000 in project costs annually
Role: Predoctoral Fellow/Trainee
6. **The Ohio State University M. Rosita Schiller Research Award (PI: Hill)** **01/2021 – 12/2021**
Defining urinary polyphenol metabolites as biomarkers of dietary exposure in cancer survivors
 The goal was to assess a comprehensive panel of urinary metabolites reflective of a plant-based dietary pattern (fruits, vegetables, whole grains, nuts, seeds, beans, and legumes) to define exposure to and effect of (poly)phenols on cardiometabolic health indicators within a lifestyle intervention.
 Award: \$1,500 direct costs
Role: Principal Investigator
7. **NIH/NIDDK T32DK007658-31 (PI: Krebs)** **08/2021 – 06/2023**
The University of Colorado Institutional Training Program in Nutrition
 The primary goal of this training program in nutrition is to train the next generation of physician scientists and basic researchers who are committed to the prevention of disease and health promotion through careers in human nutrition.
 Award: Stipend, \$5,000 in project costs annually
Role: Postdoctoral Fellow/Trainee
8. **Oncology Nutrition Dietetic Practice Group Research Grant (PI: Hill)** **01/2022 – 06/2023**
Changes in dietary intake, DNA methylation, and risk for obesity-related cancers within a behavioral weight loss intervention
 The goal was to investigate the effect of dietary intake on DNA methylation (DNAm) profiles with demonstrated link to obesity-related cancers and the effect of DNAm profiles on health indicators within individuals participating in a novel 12-month behavioral weight loss intervention.
 Award: \$5,000 direct costs
Role: Principal Investigator
9. **Colorado Clinical and Translational Science Institute MicroGrant (PI: Hill)** **07/2022 – 06/2023**
Changes in dietary intakes, -omics, behavioral factors, and clinical indicators of health within behavioral weight loss interventions
 The goal was to evaluate changes in dietary intakes of foods and discrete phytochemicals in relation to inflammatory biomarkers within a 12-month behavioral weight loss intervention
 Award: \$10,000 direct costs
Role: Principal Investigator
10. **American Heart Association 23POST1022471 (PI: Hill)** **07/2023 – 03/2024**
Role of diet quality, ultra-processed food intake, and PFAS exposure in cardiometabolic health during weight loss
 The goal was to identify novel relationships between diet quality, dietary intake of ultra-processed foods (UPF), per- and polyfluoroalkyl substances (PFAS) exposure, and cardiometabolic health to define beneficial and detrimental components of dietary patterns to inform future precision nutrition interventions for reducing risk of cardiometabolic disease.
 Award: \$140,558 direct costs
Role: Principal Investigator

11. **NIH/NIDDK R01DK113957-05 (mPI: Krebs, Reisdorph, Campbell)** **07/2018 – 03/2025**
Predicting health outcomes of Mediterranean diet via metabolomics of foods and biospecimens
 The goal was to connect unique molecular signatures in foods from a Mediterranean-style diet to the same food-specific signatures in biological fluids (i.e., potential biomarkers of dietary exposures), and to link signatures to beneficial health indicators in individuals consuming this diet.
 Award: \$414,627 direct costs (2022)
Role: Postdoctoral Fellow/Trainee
12. **The National Cattleman's Beef Association (mPI: Krebs, Tang)** **01/2022 – 08/2024**
Linking intake of unprocessed beef to health outcomes via detection of beef's unique signatures
 The goal was to conduct a randomized, crossover controlled feeding trial with unprocessed beef consumed in the context of a Mediterranean diet versus a habitual Western diet to evaluate food-specific signatures, gut microbial diversity and community structure, and CVD risk factors.
 Award: \$225,000 direct costs
Role: Postdoctoral Fellow/Trainee
13. **ISBNPA Cancer Prevention/Management Early Career Seed Funding (PI: Hill)** **08/2022 – 12/2024**
Cancer survivors as stakeholders in the design of a survivorship nutrition intervention for integration into an established exercise oncology program
 The goal was to solicit input from cancer survivors to inform adaptation of an established lifestyle weight management curriculum to develop a survivorship nutrition intervention.
 Award: \$1,250 direct costs
Role: Principal Investigator
14. **University of Colorado Cancer Center Pilot P30CA046934 (mPI: Hill, MacLean)** **11/2022 – 12/2024**
Design and integration of a survivorship nutrition intervention into an exercise oncology program
 The goal was to adapt an established lifestyle weight management curriculum to address the unique needs of cancer survivors with overweight/obesity to develop a survivorship nutrition intervention for integration into an existing cancer center-supported exercise oncology program.
 Award: \$25,000 direct costs
Role: Principal Investigator
15. **Colorado Clinical and Translational Science Institute MicroGrant (PI: Hill)** **01/2024 – 12/2024**
Changes in cardiometabolic health during an integrated survivorship nutrition and exercise program
 The goal was to evaluate changes in body weight, body composition, and indicators of cardiometabolic health within a 12-week combined diet and exercise program for cancer survivors post-active treatment.
 Award: \$10,000 direct costs
Role: Principal Investigator
16. **Colorado NORC Pilot and Feasibility Award P30DK048520 (PI: Hill)** **01/2024 – 12/2025**
Defining impact of changes in dietary intake patterns using -omics assessments within behavioral weight loss interventions
 The goal is to integrate -omics assessments (e.g., metabolome, proteome, microbiome) to evaluate changes in response to alterations in dietary intake within clinical weight loss programs.
 Award: \$50,000 direct costs
Role: Principal Investigator

BIBLIOGRAPHY

PEER-REVIEWED MANUSCRIPTS

- Dorrance AM, Neviani P, Huang X, Ferencak G, Hatice-Ozer G, Hoellarbauer P, Maharry K, Nicolet D, Hill EB, Mulloy J, Yan P, Lee LJ, Caligiuri MA, Bloomfield CD, Marcucci G. Targeting leukemia stem cells with antagomiR-126 nanoparticles in acute myeloid leukemia. *Leukemia*. 2015;29(11):2143-2153. doi: 10.1038/leu.2015.139. PMID: 26055302. PMCID: PMC4633325.
- Spees CK, Hill EB, Grainger EM, Buell JL, White SE, Kleinhenz MD, Clinton SK. Feasibility, preliminary efficacy, and lessons learned from a garden-based lifestyle intervention for cancer

- survivors. *Ca Control*. 2016;23(3):302-310. doi: 10.1177/107327481602300314. PMID: 27556671. PMCID: PMC5097863.
3. Fitz E, Warner J, Braun AC, **Hill EB**, Wolf K, Spees CK. Development, implementation, and evaluation of evidence-based cooking videos for cancer survivors. *J Nutr Educ Behav*. 2017;49(6):525-526. doi: 10.1016/j.jneb.2017.03.012. PMID: 28442283.
 4. Braun AC, Portner J, Grainger EM, **Hill EB**, Young GS, Clinton SK, Spees CK. Tele-motivational interviewing for cancer survivors: feasibility, preliminary efficacy, & lessons learned. *J Nutr Educ Behav*. 2018;50(1):19-32. doi: 10.1016/j.jneb.2017.05.352. PMID: 29325658. PMCID: PMC7333356
 5. Spees CK, Braun AC, **Hill EB**, Grainger EM, Portner J, Young GS, Kleinhenz MD, Chitchumroonchokchai C, Clinton SK. Impact of a tailored nutrition and lifestyle intervention for overweight cancer survivors on dietary patterns, physical activity, quality of life, and cardiometabolic profiles. *J Oncol*. 2019. doi: 10.1155/2019/1503195. PMID: 31871455. PMCID: PMC6906801.
 6. Trujillo E, Claghorn K, Dixon S, **Hill EB**, Braun AC, Lipinski E, Spees CK. Inadequate nutrition coverage in outpatient cancer centers: results of a national survey. *J Oncol*. 2019. doi: 10.1155/2019/7462940. PMID: 31885583. PMCID: PMC6893237.
 7. Jontony N, **Hill EB**, Taylor CA, Boucher L, O'Brien V, Weiss R, Spees CK. Diet quality, carotenoid status, and body composition in NCAA Division I athletes. *Am J Health Behav*. 2020;44(4):432-443. doi: 10.5993/AJHB.44.4.6. PMID: 32553025. PMCID: PMC7685237.
 8. Pratt KJ, **Hill EB**, Kiser H, VanFossen CE, Braun AC, Taylor CA, Spees CK. Changes in parent and child skin carotenoids, weight, and dietary behaviors over parental weight management. *Nutrients*. 2021;13(7):2227. doi: 10.3390/nu13072227. PMID: 34209574. PMCID: PMC8308330.
 9. Braun AC, Simons C, Kilbarger J, **Hill EB**, Xu M, Cleary D, Spees CK. Sensory perceptions of cancer survivors and their caregivers upon blinded evaluation of produce from two different sources. *Support. Care Cancer*. 2021;29(10):5729-5739. doi: 10.1007/s00520-021-06090-3. PMID: 33728487. PMCID: PMC8982826.
 10. Braun AC, **Hill EB**, Gallo S, Landry MJ, Vitolins M, Papoutsakis C, Yakes Jimenez E, Rozga M. Research at the Academy of Nutrition and Dietetics: What, how, and why? *J Acad Nutr Diet*. 2022;122(11):2150-2162. doi: 10.1016/j.jand.2022.08.123. PMID: 35998865.
 11. **Hill EB**, Siebert JC, Yazza DN, Ostendorf DM, Bing K, Wayland L, Scorsone JJ, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA, Borengasser SJ. Proteomics, dietary intake, and changes in cardiometabolic health within a behavioral weight loss intervention: A pilot study. *Obesity*. 2022; 30(11):2134-2145. doi: 10.1002/oby.23574. PMID: 36321274. PMCID: PMC9634672.
 12. **Hill EB**, Grainger EM, Young GS, Clinton SK, Spees CK. Application of the updated WCRF/AICR cancer prevention score as an outcome for cancer survivors participating in a tailored and intensive dietary and physical activity intervention. *Nutrients*. 2022; 14(22):4571. doi: 10.3390/nu14224751. PMID: 36432442. PMCID: PMC9699073.
 13. **Hill EB**, Chen L, Bailey MT, Singh Khalsa A, Kelleher K, Spees CK, Zhu J, Loman BR. Facilitating a high-quality dietary pattern induces shared microbial responses linking diet quality, blood pressure, and microbial sterol metabolism in caregiver-child dyads. *Gut Microbes*. 2022; 14(1):2150502. doi: 10.1080/19490976.2022.2150502. PMID: 36457073. PMCID: PMC9721422.
 14. **Hill EB**[#], Baxter BA[#], Pfluger B, Slaughter CK, Beale M, Smith HV, Stromberg SS, Tipton M, Ibrahim H, Rao S, Leach H, Ryan EP. Plasma, urine, and stool metabolites in response to dietary rice bran and navy bean supplementation in adults at high-risk for colorectal cancer. *Frontiers in Gastroenterology*. 2023; 2:1087056. doi: 10.3389/fgstr.2023.1087056. PMID: 38469373. PMCID: PMC10927265.
[#]indicates co-first authorship
 15. **Hill EB**, Cubellis LT, Wexler R, Taylor CA, Spees CK. Differences in adherence to American Heart Association's Life's Essential 8, diet quality, and weight loss strategies between those with and without

- recent clinically significant weight loss in a nationally representative sample of U.S. adults. *J Am Heart Assoc.* 2023;12(8):e026777. doi:10.1161/JAHA.122.02677.7. PMID: 37026539. PMCID: PMC10227268
16. Hill EB[#], Konigsberg IR[#], Ir D, Frank DN, Jambal P, Litkowski EM, Lange EM, Lange LA, Ostendorf DM, Scorsone JJ, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA, Stanislawski MA, Borengasser SJ. The microbiome, epigenome, and diet in adults with obesity during behavioral weight loss. *Nutrients.* 2023;15(16):3588. doi: 10.3390/nu15163588. PMID: 37630778. PMCID: PMC10458964. [#]indicates co-first authorship
 17. Hill EB, Reisdorph RM, Rasolofomanana-Rajery S, Michel C, Khajeh-Sharafabadi M, Doenges KA, Weaver N, Quinn K, Sutliff AK, Tang M, Borengasser SJ, Frank DN, O'Connor LE, Campbell WW, Krebs NF, Hendricks AE, Reisdorph NA. Salmon food-specific compounds and their metabolites increase in human plasma and are associated with cardiometabolic health indicators following a Mediterranean diet intervention. *J Nutr.* 2024;154(1):26-40. doi: 10.1016/j.tjnut.2023.10.024. PMID: 37918675. PMCID: PMC10808825.
 18. Hill EB, Tang M, Long J, Kemp JF, Westcott J, Hendricks AE, Reisdorph NA, Campbell WW, Krebs NF, mini-MED Trial Team. mini-MED: study protocol for a randomized, multi-intervention, semi-controlled feeding trial of a Mediterranean-amplified vs. habitual Western dietary pattern for the evaluation of food-specific compounds and cardiometabolic health. *Trials.* 2024;25(101). doi: 10.1186/s13063-024-07939-8. PMID: 38302990. PMCID: PMC10835998.
 19. Siprelle K, Kennedy A, Hill EB, Hinton A, Shi N, Madril P, Grainger EM, Taylor CA, Nahikian-Nelms M, Spees CK, Tabung FK, Hart PA, Roberts KM. An improved assessment method to estimate (poly)phenol intake in adults with chronic pancreatitis. *Dig Dis Sci.* 2024. doi: 10.1007/s10620-024-08417-6. PMID: 38850506. PMCID: PMC11341752.
 20. Lu P, Reisdorph NA, Reisdorph RM, Quinn K, Armstrong L, Michel C, Frank DN, Hendricks AE, Campbell WW, Hill EB, Krebs NF, Tang Y, Lin D, Tang M. Characterization of astaxanthin isomers in different types of salmon filets and human plasma after salmon consumption. *Food Chemistry.* 2025;482(144024). doi: 10.1016/j.foodchem.2025.144024. PMID: 40179560.
 21. Breit MJ, Caldwell AE, Ostendorf DM, Pan Z, Creasy SA, Swanson B, Clark K, Hill EB, MacLean PS, Bessesen DH, Melanson EL, Catenacci VA. Effects of 4:3 intermittent fasting on eating behaviors and appetite hormones: a secondary analysis of a 12-month behavioral weight loss intervention. *Nutrients.* 2025;17(2385). doi: 10.3390/nu17142385. PMID: 40733010. PMCID: PMC12298406.
 22. Hill EB, Pashkova A, Grainger EM, Roberts KM, Chitchumroonchokchai C, Braun AC, Ralston RA, Riedl K, Schwartz SJ, Spees CK, Clinton SK. Targeted urinary profiling as a biomarker of dietary flavonoid intake from fruits and vegetables and its relationship to the method and timing of dietary assessment. *Curr Dev Nutr.* 2025;9(9):107520. doi: 10.1016/j.cdnut.2025.107520. PMID: 41080470. PMCID: PMC125122150.
 23. Saint-Cyr M, Shakya E, Siebert JC, Hill EB, Krebs NF, de Zoeten E, Borengasser SJ. Network-based multi-omic nutrient-associated predictive models for inflammatory bowel disease. *Curr Dev Nutr.* 2025;9(11):107567. doi: 10.1016/j.cdnut.2025.107567. PMID: 41368212. PMCID: PMC12685511.
 24. Oselinsky K, Hill EB, Ostendorf DM, Pan Z, Bing K, Clark K, Wayland L, Simpson C, Thomas EA, Marker RJ, Kabos P, MacLean PS, Catenacci VA. Proof of Concept and Feasibility Trial of a 6-Month, 4:3 intermittent fasting dietary program on weight among survivors of breast cancer who have overweight or obesity. *In review at JMIR Research Protocols.*
 25. Garvey K, Harris JK, Furuta GT, Hill EB, Robertson CE, Occhipinti KA, Wagner BD, Gregorian A, Shandas R. Non-surgical, multi-regional sampling of bacterial content from the upper digestive tract in healthy humans. *In review at Gut Microbes.*
 26. Sleight AG, Weschler SB, Jones JM, Wood KC, Pergolotti M, Williams CP, Brick RS, Hill EB, Lyon S, Virani A, Takata SC, Lyons KD, Swartz MC, Frates EP. Integrating cancer rehabilitation and lifestyle medicine: a proposed partnership and case example. *In review at Disabil Rehabil.*

27. **Hill EB**, Pfluger B, Baxter BA, Pagani K, Beale MN, Smith HV, Haberecht H, Rao S, Leach HJ, Ryan EP. Lipidome and nutrient changes following dietary fiber supplementation in adults at high risk for colorectal cancer. *In preparation for submission to Mol Nutr Food Res*.
28. **Hill EB**, Marker RJ, Bing K, Ostendorf DM, Oselinsky KM, Pyle L, MacLean PS, Phillips SM, Catenacci VA. Pilot optimization of a survivorship nutrition intervention for integration into a clinical exercise oncology program: BfedBwell clinical trial protocol. *In preparation for submission to Contemporary Clinical Trials*.
29. **Hill EB**, Khandpur N, Siebert J, Braun AC, Halliday TM, Sneed NM, MacLean PS, Borengasser SJ, Catenacci VA. Establishing standardized methodology for using the nova classification system to identify and categorize ultra-processed food intake in clinical trials. *In preparation*.
30. **Hill EB**, Siebert JC, Konigsberg IR, Jambal P, Stanislawski MA, Ostendorf DM, Bing K, Wayland L, Scorsone JJ, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA, Borengasser SJ. Network analysis reveals changes in dietary intakes and DNA methylation in inflammatory and obesity-related cancer pathways are associated with improvements in clinical health indicators during behavioral weight loss. *In preparation*.
31. **Hill EB**, Rasolofomanana-Rajery S, Khajeh-Sharafabadi M, Weaver N, Reisdorph RM, Quinn K, Doenges KA, Sutliff AK, Westcott J, Borengasser SJ, Tang M, O'Connor LE, Reisdorph NA, Krebs NF, Campbell WW, Hendricks AE. Untargeted metabolomics of human plasma and foods enable identification of putative health-driven biomarkers. *In preparation*.
32. Glime GNE, Matzeller KL, **Hill EB**, Doenges KA, Reisdorph RM, Krebs NF, Venter C, Campbell WW, Tang M. Metabolomic analysis detects unique to blueberry compounds in the urine of infants consuming freeze-dried blueberry powder. *In preparation*.

BOOK CHAPTERS AND INVITED ARTICLES

1. **Hill EB**. Breast Cancer Survivorship. In: Nahikian-Nelms M, ed. *Medical Nutrition Therapy: A Case Study Approach*. Boston, MA: Cengage Learning; 2020.
2. **Hill EB**. Diet Article: Savor Healthy Soups and Stews. *American Institute for Cancer Research Newsletter 149*; 2020
3. **Hill EB**. Diet Article: Benefits of a Mediterranean-style Dietary Pattern. *American Institute for Cancer Research Newsletter 152*; 2021.

LETTERS TO THE EDITOR

1. **Hill EB**, Kennedy A, Roberts KM, Riedl K, Grainger EM, Clinton SK. Considerations for use of the Phenol-Explorer database to estimate dietary (poly)phenol intake. *J Acad Nutr Diet*. 2021. doi: 10.1016/j.jand.2021.02.010. PMID: 33744235.

PUBLISHED SCIENTIFIC ABSTRACTS

*Denotes work of a peer mentee

1. Spees CK, **Hill EB**[#], White S, Grainger EM, Kleinhenz M, Buell J, Weiss R, Gildersleeve R, Clinton SK. Growing hope: a comprehensive garden-based health and nutrition education program for cancer survivors. *J Acad Nutr Diet*. 2015;115(9):A88. doi: 10.1016/j.jand.2015.06.317. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2015] **1st Place, DuPont Nutrition and Health/Research Dietetic Practice Group Student Poster Award** [#]presenting author
2. **Hill EB**, Clinton SK, Grainger EM, Braun AC, Moran NE, Fitz EA, Chitchumroonchokchai C, Failla ML, Spees CK. Growing hope: a comprehensive lifestyle intervention increases fruit and vegetable intake and carotenoid status in overweight cancer survivors. *J Acad Nutr Diet*. 2016;116(9):A82. doi: 10.1016/j.jand.2016.06.290. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2016] **Oncology Nutrition Dietetic Practice Group Award for Excellence in Oncology Nutrition Research**

3. **Hill EB**, Clinton SK, Grainger EM, Belury MA, Kopec RE, Failla ML, Young G, Spees CK. Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors. *J Acad Nutr Diet.* 2017;117(9):A19. doi: 10.1016/j.jand.2017.06.350. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2017] **Margaret D. Simko Memorial Award for Excellence at a Clinical Poster Session, Runner-up; Food and Nutrition Conference and Expo (FNCE) Outstanding Abstract 2017**
4. Braun AC, Portner J, Grainger EM, **Hill EB**, Young GS, Clinton SK, Spees CK. Electronic motivational interviewing coaching for overweight cancer survivors improves health outcomes. *J Acad Nutr Diet.* 2017;117(9):A23. doi: 10.1016/j.jand.2017.06.243. [Poster presentation at *Academy of Nutrition and Dietetics* Food and Nutrition Conference and Expo 2017]
5. Trujillo E, Claghorn K, Dixon S, **Hill EB**[#], Lipinski E, Spees CK. Inadequate nutrition services in outpatient cancer centers. *Curr Dev Nutr.* 2019; 3(Suppl 1)P05-036-19. doi: 0.1093/cdn/nzz030.P05-036-19. [Poster presentation at ASN Nutrition 2019] [#]presenting author
6. Adams I, Braun AC, **Hill EB**, Lobb J, Rausch J, Al-Muhanna K, Spees CK. Garden-based program for youth improves dietary and physical activity patterns, quality of life, family relationships, and indices of health. *J Nutr Educ Behav.* 2019; 51(7):S20-21. doi: 10.1016/j.jneb.2019.05.347. [Poster presentation at Society of Nutrition Education and Behavior Annual Conference 2019]
7. **Hill EB**, Jontony N, Taylor CA, Boucher L, O'Brien V, Spees CK. Diet quality, body composition, and carotenoid status in NCAA Division I athletes. *J Acad Nutr Diet.* 2019;119(10):A142. doi: 10.1016/j.jand.2019.08.138. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2019] **Research Dietetic Practice Group Mead Johnson Student Abstract Award**
8. *Pashkova A, **Hill EB**, Grainger EM, Chitchumroonchokchai C, Heitman K, Roberts KM, Clinton SK, Spees CK. A comparison of the relationship between urinary flavonoid metabolites and 1, 2, or 3 days of diet records. *J Acad Nutr Diet.* 2019;119(10):A123. doi: 10.1016/j.jand.2019.08.075. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2019] **Food and Nutrition Conference and Expo (FNCE) Outstanding Abstract 2019**
9. Braun AC, Portner J, **Hill EB**, Lipinski E, Clinton SK, Spees CK. Impact of participant engagement in a RDN-delivered remote motivational interviewing-based intervention for survivors of cancer with overweight and obesity. *J Acad Nutr Diet.* 2019;119(10):A146. doi: 10.1016/j.jand.2019.08.153. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2019] **Research Dietetic Practice Group Mead Johnson Student Abstract Award**
10. *Sweeney M, Jontony N, **Hill EB**, Spees CK, Taylor CA. Access to fueling stations is not associated with diet quality in Division I athletes. *J Acad Nutr Diet.* 2020;120(9):A74. doi: 10.1016/j.jand.2020.06.047. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2020]
11. *Trance J, Jontony N, **Hill EB**, Spees CK, Taylor CA. Associations among dietary quality, sex, and year in school in Division 1 collegiate athletes. *J Acad Nutr Diet.* 2020;120(9):A75. doi: 10.1016/j.jand.2020.06.054. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2020]
12. Braun AC, Simons C, Kilbarger J, **Hill EB**, Xu M, Cleary D, Spees CK. Sensory perceptions of cancer survivors and their caregivers of garden-harvested and grocery-purchased produce. *J Nutr Educ Behav.* 2021;53(7):S39. doi: 10.1016/j.jneb.2021.04.425. [Poster presentation at Society of Nutrition Education and Behavior Annual Conference 2021]
13. **Hill EB**, Pashkova A, Grainger EM, Roberts KM, Chitchumroonchokchai C, Clinton SK, Spees CK. Associations between a targeted metabolomics panel of urinary flavonoids and flavonoid intakes from fruits and vegetables across dietary assessment periods. *Curr Dev Nutr.* 2021;5(Suppl 2):322. doi: 10.1093/cdn/nzab037_032. [Poster presentation at ASN Nutrition 2021]

14. Loman B, **Hill EB**, Bailey M, Zhu J, Khalsa AS, Kelleher K, Spees CK. A high-fiber diet intervention improves diet quality and is related to blood pressure and bacteriome composition in caregiver-child dyads. *Curr Dev Nutr*. 2021;5(Suppl 2):1168. doi: 10.1093/cdn/nzab054_023. [Oral presentation at ASN Nutrition 2021]
15. *Cubellis L, **Hill EB**, Taylor CA, Wexler RK, Spees CK. Differences in adherence to cardiovascular lifestyle recommendations, diet quality, and weight loss strategies in 2007-2016 NHANES by weight loss status. *J Acad Nutr Diet*. 2021;121(9):A52. doi: 10.1016/j.jand.2021.06.144. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2021]
16. Siprelle K, Kennedy A, **Hill EB**, Nahikian-Nelms M, Hart P, Roberts KM. The assessment of polyphenols in chronic pancreatitis using a web-based food frequency questionnaire and the Phenol Explorer Database. *J Acad Nutr Diet*. 2021; 121(10):A129. doi: 10.1016/j.jand.2021.08.036. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2021]
17. **Hill EB**, Reisdorph RM, Quinn K, Doenges KA, Sutliff AK, Borengasser SJ, Tang M, Hendricks AE, O'Connor LE, Campbell WW, Krebs NF, Reisdorph NA. Foodomics analysis of a Mediterranean diet reveals food-specific compounds that are detected in human plasma. *Curr Dev Nutr*. 2022;6(Suppl 1): 368. doi: 10.1093/cdn/nzac054.023. [Poster presentation at ASN Nutrition 2022] **Finalist, Nutrition Translation Award Competition**
18. **Hill EB**, Khajeh-Sharafabadi M, Rasolofomanana-Rajery S, Weaver N, Reisdorph RM, Quinn K, Doenges KA, Sutliff AK, Borengasser SJ, Tang M, O'Connor LE, Hendricks AE, Reisdorph NA, Krebs NF, Campbell WW. Unique-to-salmon compounds increase in plasma and are associated with cardiovascular health following a Mediterranean diet intervention. *Curr Dev Nutr*. 2022;6(Suppl 1): 286. doi: 10.1093/cdn/nzac053.027. [Oral presentation at ASN Nutrition 2022] **1st place, Postdoctoral Research Award Competition**
19. Zaman A, Caldwell AE, Ostendorf DM, Pan Z, **Hill EB**, Rynders CA, Suboc GT, Bessesen DH, MacLean PS, Melanson EL, Thomas EA, Catenacci VA. A cross-sectional study evaluating the impact of combined hormonal contraceptives on components of energy balance in pre-menopausal women with overweight or obesity. *J Endocr Soc*. 2022;6(Suppl 1):A33. doi: 10.1210/jendso/bvac150.069. PMID: PMC9624749. [Poster presentation at the Endocrine Society Annual Meeting 2022]
20. **Hill EB**, Konigsberg IR, Ostendorf DM, Scorsone JJ, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA, Stanislowski MA, Borengasser SJ. The microbiome, epigenome, and diet in adults with obesity during behavioral weight loss. *Obesity*. 2022;30(Suppl 1): 142-143. doi: 10.1002/oby.23626. [Poster presentation at *ObesityWeek 2022*]
21. **Hill EB**, Rasolofomanana-Rajery S, Khajeh-Sharafabadi M, Weaver N, Reisdorph RM, Quinn K, Michel C, Doenges KA, Sutliff AK, Borengasser SJ, Tang M, Frank DN, O'Connor LE, Westcott J, Hendricks AE, Campbell WW, Reisdorph NA, Krebs NF. Food-specific compounds act as putative biomarkers for exposure to and effect of plant foods consumed within a Mediterranean diet intervention. *Curr Dev Nutr*. 2023;7(Suppl 1): 100509. doi: 10.1016/j.cdnut.2023.100509. [Oral presentation at ASN Nutrition 2023] **1st Place, Nutrition Translation Award Competition; 2nd place, Dietary Bioactive Compounds Research Interest Section Emerging Leaders in Nutrition Poster Competition**
22. Hendricks AE, Rasolofomanana-Rajery S, **Hill EB**, Khajeh-Sharafabadi M, Weaver N, Reisdorph RM, Quinn K, Doenges KA, Sutliff AK, Westcott J, Borengasser SJ, Tang M, O'Connor LE, Reisdorph NA, Krebs NF, Campbell WW. Untargeted metabolomics of human plasma and foods enable identification of putative health-driven biomarkers. *Curr Dev Nutr*. 2023;7(Suppl 1): 100511. doi: 10.1016/j.cdnut.2023.100511. [Oral presentation at ASN Nutrition 2023]
23. **Hill EB**, Siebert JC, Konigsberg IR, Jambal P, Stanislowski MA, Ostendorf DM, Bing K, Wayland L, Scorsone JJ, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA, Borengasser SJ. Network analysis reveals changes in dietary intakes and DNA methylation in inflammatory and obesity-related cancer pathways are associated with improvements in clinical health indicators during behavioral weight loss. *J Acad Nutr Diet*. 2023; 123(10):PA21. doi: 10.1016/j.jand.2023.08.049. [Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo 2023]

Oncology Nutrition Dietetic Practice Group Award for Excellence in Oncology Nutrition Research

24. Hill EB, Ostendorf DM, Pan Z, Scorsone JJ, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA. Change in diet quality over 1 year of daily caloric restriction versus modified intermittent fasting. *Obesity*. 2023;31(Suppl 2): 248. doi: 10.1002/oby.23939. [Poster presentation at *ObesityWeek 2023*]
25. Grainger EM, Spees CK, Hill EB, Braun AC, Young GS, Mo X, Webb MZ, Focht BC, Weiss R, England EM, Clinton SK. A Phase II trial of beef integrated into a healthy dietary pattern for cancer survivors: impact on weight and cardiometabolic biomarkers. *Curr Dev Nutr*. 2024;8(Suppl 2):102551. doi: 10.1016/j.cdnut.2024.102551. [Oral presentation at ASN Nutrition 2024]
26. Hill EB, Schaefer C, Glime G, Kemp JF, Garvey K, Shandas R, Harris JK, Occhipinti KA, Frank DN, Robertson CE, Hendricks AE, Tang M, Reisdorph NA, Campbell WW, Krebs NF. Minimally-invasive measurement of small intestinal and stool microbiomes in humans reveals distinct community structure and composition: a novel tool for dietary studies. *Curr Dev Nutr*. 2024;8(Suppl 2):103470. doi: 10.1016/j.cdnut.2024.103470. [Poster presentation at ASN Nutrition 2024] **National Cattleman's Beef Association Travel Award**
27. Hill EB, Khandpur N, Siebert J, Braun AC, Halliday TM, MacLean PS, Borengasser SJ, Catenacci VA. Identification and categorization of ultra-processed food intake in clinical trials using dietary records and Nutrition Data System for Research. *Curr Dev Nutr*. 2024;8(Suppl 2):103154. doi: 10.1016/j.cdnut.2024.103154. [Poster presentation at ASN Nutrition 2024] **Finalist, Postdoctoral Research Award Competition**
28. Hill EB, Khandpur N, Siebert J, Ostendorf DM, Pan Z, Scorsone JJ, Wayland LT, Bing K, Breit MJ, MacLean PS, Melanson EL, Bessesen DH, Borengasser SJ, Catenacci VA. Ultra-processed food intake correlates with BMI and is reduced over 1-year weight loss intervention. *Obesity*. 2024;32(S1):47. doi: 10.1002/oby.24194. [Oral presentation at *ObesityWeek 2024*]
29. *Breit MJ, Ostendorf DM, Pan Z, Creasy SA, Swanson B, Bing K, Wayland L, Hill EB, MacLean PS, Bessesen DH, Melanson EL, Catenacci VA. Changes in eating behaviors following intermittent fasting versus daily caloric restriction over 1-year. *Obesity*. 2024;32(S1):49. doi: 10.1002/oby.24194. [Oral presentation at *ObesityWeek 2024*]
30. Hill EB, Khandpur N, Siebert J, Ostendorf DM, Pan Z, Scorsone JJ, Wayland LT, Bing K, Breit MJ, MacLean PS, Melanson EL, Bessesen DH, Borengasser SJ, Catenacci VA. Ultra-processed food intake is associated with eating behaviors prior to and during weight loss. *Obesity*. 2024;32(S1):59. doi: 10.1002/oby.24195. [Poster presentation at *ObesityWeek 2024*]
31. *Breit MJ, Ostendorf DM, Pan Z, Creasy SA, Swanson B, Bing K, Wayland L, Hill EB, MacLean PS, Bessesen DH, Melanson EL, Catenacci VA. Effects of 4:3 intermittent fasting and daily caloric restriction on appetite hormones over 1 year. *Obesity*. 2024;32(S1):70. doi: 10.1002/oby.24195. [Poster presentation at *ObesityWeek 2024*]
32. Hill EB, Schaefer C, Bing K, Pan Z, Ostendorf DM, Marker RJ, MacLean PS, Catenacci VA. A proof-of-concept trial of a nutrition program for cancer survivors is feasible and acceptable for integration into a clinical exercise oncology program and improves diet quality and cardiometabolic health. *Ann Behav Med*. 2025;59(S1). [Poster presentation at Society of Behavioral Medicine 2025]
33. Oselinsky K, Hill EB, Pan Z, MacLean PS, Bessesen DH, Ostendorf DM, Creasy SA, Catenacci VA. Does mood matter? Evaluating the impact of affect on dietary program effectiveness during a behavioral weight loss trial. *Ann Behav Med*. 2025;59(S1). [Poster presentation at Society of Behavioral Medicine 2025]
34. *Schaefer C, Bing K, Pan Z, Ostendorf DM, Marker RJ, MacLean PS, Catenacci VA, Hill EB. Effects of a social cognitive theory-based nutrition and exercise program for cancer survivors on self-efficacy and patient-reported outcomes. *Curr Dev Nutr*. 2025;9(S2):106984. doi: 10.1016/j.cdnut.2025.106984. [Poster presentation at ASN Nutrition 2025]

35. **Hill EB**, Clark K, Sandoval A, Bing K, Schaefer C, Oselinsky K, Pan Z, Ostendorf DM, Marker RJ, Thomas EA, Kabos P, MacLean PS, Catenacci VA. Intermittent fasting intervention does not negatively affect diet quality or eating behaviors in breast cancer survivors with overweight or obesity. *Supportive Care in Cancer*. 2025;33(S1):S583. [Poster presentation at Multinational Association of Supportive Care in Cancer (MASCC) 2025]
36. **Hill EB**, Hu F, Xu C, Nguyen HVM, Creasy S, Ostendorf DM, Scorsone J, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA, Borengasser SJ. Diet quality metrics are associated with decelerated biological aging during behavioral weight loss. *Obesity*. 2025;33(S2):147. doi: 10.1002/oby.70103. [Poster presentation at *ObesityWeek* 2025]
37. Nguyen HVM, Hu F, Xu C, **Hill EB**, Creasy S, Ostendorf DM, Scorsone J, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA, Borengasser SJ. Physical activity is associated with decreased biological age following a behavioral-based weight loss trial. *Obesity*. 2025;33(S2):89-90. doi: 10.1002/oby.70103. [Poster presentation at *ObesityWeek* 2025]
38. Goss G, Catenacci VA, Pan Z, Creasy S, Caldwell AE, Breit MJ, **Hill EB**, Oselinsky K, MacLean PS, Bessesen DH, Melanson EL, Ostendorf DM. Impact of intervention preference in an RCT of 4:3 intermittent fasting vs daily caloric restriction. *Obesity*. 2025;33(S2):290. doi: 10.1002/oby.70103. [Poster presentation at *ObesityWeek* 2025]
39. Oselinsky K, Clark K, Sandoval A, Pan Z, **Hill EB**, Ostendorf DM, Marker RJ, Thomas EA, Bing K, Wayland L, Kabos P, MacLean PS, Catenacci VA. A 4:3 intermittent fasting intervention for breast cancer survivors is feasible and acceptable. *Obesity*. 2025;33(S2):312. doi: 10.1002/oby.70103. [Poster presentation at *ObesityWeek* 2025]
40. Clark K, Sandoval A, Pan Z, **Hill EB**, Ostendorf DM, Oselinsky K, Marker RJ, Thomas EA, Bing K, Wayland L, Kabos P, MacLean PS, Catenacci VA. Safety & preliminary efficacy of a 4:3 intermittent fasting intervention for breast cancer survivors. *Obesity*. 2025;33(S2):134-135. doi: 10.1002/oby.70103. [Poster presentation at *ObesityWeek* 2025]

OTHER SELECTED REFEREED PRESENTATIONS

*Denotes work of a peer mentee

International

1. **Hill EB**, Clinton SK, Grainger EM, Braun AC, Moran NE, Fitz EA, Chitchumroonchokchai C, Failla ML, Spees CK. Growing hope: comprehensive lifestyle intervention increases fruit and vegetable intake and carotenoid status in overweight cancer survivors. *The 2016 International Li Fraumeni Syndrome Conference and 3rd Annual LiFE Consortium*; Columbus, OH. June 2016. [Oral]
2. **Hill EB**, Clinton SK, Grainger EM, Young GS, Focht B, Braun AC, Spees CK. Combination nutrition and physical activity intervention improves adherence to evidence-based guidelines and cardiovascular health in cancer survivors. *International Society of Behavioral Nutrition and Physical Activity xChange Initiative 2021*; Virtual Event. June 2021. [Oral] **Cancer Prevention and Management Special Interest Group Best Student Abstract**
3. **Hill EB**, Reisdorph RM, Quinn K, Michel C, Doenges KA, Sutliff AK, Borengasser SJ, Tang M, Frank DN, Hendricks AE, O'Connor LE, Campbell WW, Krebs NF, Reisdorph NA. Foodomics analysis of a complex diet reveals novel clustering of foods based upon chemical composition. *Metabolomics Society 2023*; Niagara Falls, ON. June 2023. [Oral]
4. *Rasolofomanana Rajery S, **Hill EB**, Weaver N, Reisdorph R, Campbell WW, Krebs NF, Reisdorph NA, Hendricks AE. Joint analysis of human and food metabolomics for health-driven biomarker detection. *The Western North American Region of the International Biometric Society 2023 Annual Meeting*; Anchorage, AK. June 2023. [Oral]
5. **Hill EB**, Simpson C, Ostendorf DM, Marker RJ, MacLean PS, Catenacci VA. Design and integration of a survivorship nutrition intervention into an established exercise oncology program: BfedBwell program development. *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*; Omaha, NE. May 2024. [Oral]

6. Marker RJ, **Hill EB**, Ostendorf DM. Comparison of quality of life, fatigue, and depression between survivors of cancer with high and low self-reported physical activity: A cross-sectional analysis. *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*; Omaha, NE. May 2024. [Poster]

National

1. **Hill EB**, Clinton SK, Grainger EM, Braun AC, Moran NE, Fitz EA, Chitchumroonchokchai C, Failla ML, Spees CK. Comprehensive lifestyle intervention increases adherence to AICR recommendations and associated biomarkers. *The American Institute for Cancer Research (AICR) Research Conference*; Bethesda, MD. November 2016. [Poster]
2. *Pashkova A, **Hill EB**, Grainger EM, Chitchumroonchokchai C, Heitman K, Roberts KM, Clinton SK, Spees CK. A comparison of the relationship between urinary flavonoid metabolites and 1, 2, or 3 days of diet records. *The Academy of Nutrition and Dietetics Oncology Nutrition Dietetic Practice Group Symposium*; 2020. [Poster] **1st place, Student Research Award**
3. Himelhoch A, Lipak K, Fisher R, Braun A, **Hill EB**, Spees CK, Gerhardt CA. Harvesting Hope for Kids: a pilot nutrition and physical activity intervention for childhood cancer survivors and their parents. *The Society for Developmental and Behavioral Pediatrics Annual Meeting*; Virtual Event. October 2020.
4. **Hill EB**, Pfluger B, Baxter BA, Pagani K, Smith HV, Rao S, Schwerdtfeger L, Leach HJ, Patel S, Ryan EP. BENEFICIAL dietary intervention impacts on diet quality and the plasma lipidome: results of a pilot single-blinded, two-arm, randomized, placebo-controlled trial in adults with stage 0/1 colorectal cancer. *The American Society of Preventive Oncology (ASPO) 50th Annual Meeting*; Denver, CO. April 2026. [Oral] **Best of ASPO Session: Optimizing Cancer Survivorship Through Lifestyle Modifications**

State and Regional

1. Spees CK, **Hill EB**, White S, Grainger EM, Kleinhenz M, Buell J, Weiss R, Gildersleeve R, Clinton SK. Growing hope: a comprehensive garden-based health and nutrition education program for cancer survivors. *The 12th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. March 2015. [Poster] **1st Place, Behavioral Research Poster Award**
2. **Hill EB**, Clinton SK, Grainger EM, Braun AC, Moran NE, Fitz EA, Chitchumroonchokchai C, Failla ML, Spees CK. Growing hope: comprehensive lifestyle intervention increases fruit and vegetable intake and carotenoid status in overweight cancer survivors. *The 13th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. March 2016. [Poster]
3. **Hill EB**, Clinton SK, Grainger EM, Belury MA, Kopec RE, Failla ML, Young GS, Spees CK. Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors. *The 14th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. March 2017. [Poster]
4. **Hill EB**, Clinton SK, Grainger EM, Young GS, England E, Focht B, Kleinhenz M, Braun AC, Spees CK. Nutrition and Exercise Cancer Survivor Trial (NExT) improves lifestyle behaviors and health outcomes in overweight and obese cancer survivors. *The 15th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. April 2018. [Poster] **1st Place, Behavioral Research Poster Award**
5. **Hill EB**, Clinton SK, Grainger EM, Belury MA, Kopec RE, Failla ML, Young GS, Spees CK. Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors. *The Ohio Academy of Nutrition and Dietetics Conference*; Columbus, OH. May 2018. [Poster] **Ohio Academy of Nutrition and Dietetics (OAND) Student Research Award**
6. *Pashkova A, **Hill EB**, Grainger EM, Chitchumroonchokchai C, Heitman K, Roberts KM, Clinton SK, Spees CK. A comparison of the relationship between urinary flavonoid metabolites and 1, 2, or 3 days of diet records. *The 16th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. April 2019. [Poster]

7. **Hill EB**, Clinton SK, Grainger EM, Young GS, Focht B, Braun AC, Spees CK. Cancer survivors improve adherence to World Cancer Research Fund/American Institute for Cancer Research (WCRF/AICR) recommendations and cardiovascular health after an intensive nutrition and physical activity intervention. *The 17th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. April 2021. [Poster] **Finalist, Oral Competition; 1st Place, Behavioral Research Poster Award**
8. *Cubellis L, **Hill EB**, Taylor CA, Wexler RK, Spees CK. Differences in adherence to cardiovascular lifestyle recommendations, diet quality, and weight loss strategies by weight loss status in a nationally representative sample of U.S. adults. *The 17th Annual Russell Klein Nutrition Research Symposium at The Ohio State University*; Columbus, OH. April 2021. [Poster]
9. *Garvey K, Harris K, **Hill EB**, Furuta GT, Occhipinti KA, Shandas R. A minimally invasive collection method for compartment-specific upper gastrointestinal microbiome analysis. *Front Range Microbiome Symposium at Colorado State University*; Fort Collins, CO. April 2023. [Poster] **1st place, Graduate Student Poster Presentation**
10. Oselinsky KM, **Hill EB**, Clark K, Marker RJ, Kabos P, MacLean PS, Thomas EA, Ostendorf DM, Sandoval E, Creasy SA, Catenacci VA. An integrated lifestyle program on weight, functional capacity and exercise self-efficacy among breast cancer survivors. *Rocky Mountain ACSM 2025 Annual Meeting*; Colorado Springs, CO. April 2025. [Poster]

Local

1. **Hill EB**, Clinton SK, Grainger EM, Braun AC, Moran NE, Fitz EA, Chitchumroonchokchai C, Failla ML, Spees CK. Growing hope: comprehensive lifestyle intervention increases fruit and vegetable intake and carotenoid status in overweight cancer survivors. *The 17th Annual Ohio State University Comprehensive Cancer Center Scientific Meeting*; Columbus, OH. April 2016. [Poster] **2nd Place, Population Science Poster Award**
2. **Hill EB**, Clinton SK, Grainger EM, Belury MA, Kopec RE, Failla ML, Young GS, Spees CK. Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors. *The 31st Annual Edward F. Hayes Graduate Research Forum at The Ohio State University*. Columbus; OH. March 2017. [Oral] **2nd Place, Professional Biological Sciences Oral Competition**
3. **Hill EB**, Clinton SK, Grainger EM, Belury MA, Kopec RE, Failla ML, Young GS, Spees CK. Biobehavioral intervention improves dietary patterns and biomarkers of carotenoid and fatty acid intakes in overweight cancer survivors. *The 18th Annual Ohio State University Comprehensive Cancer Center Scientific Meeting*; Columbus, OH. April 2017. [Poster]
4. **Hill EB**, Clinton SK, Grainger EM, Young GS, England E, Focht B, Kleinhenz M, Braun AC, Spees CK. Nutrition and Exercise Cancer Survivor Trial (NExT) improves lifestyle behaviors and health outcomes in overweight and obese cancer survivors. *The 19th Annual Ohio State University Comprehensive Cancer Center Scientific Meeting*; Columbus, OH. April 2018. [Poster]
5. **Hill EB**, Clinton SK, Grainger EM, Young G, England E, Focht B, Kleinhenz M, Braun AC, Spees CK. Successful maintenance of lifestyle behaviors, quality of life, and health outcomes of overweight and obese cancer survivors participating in the Nutrition and Exercise Trial (NExT). *The 20th Annual Ohio State University Comprehensive Cancer Center Scientific Meeting*; Columbus, OH. May 2019. [Poster]
6. **Hill EB**, Pashkova A, Grainger EM, Chitchumroonchokchai C, Heitman K, Roberts KM, Clinton SK, Spees CK. The relationship between a targeted panel of urinary flavonoid metabolites and dietary vegetable and fruit intakes in a cohort of cancer survivors. *The 21st Annual Ohio State University Comprehensive Cancer Center Scientific Meeting*; Columbus, OH. October 2020. [Poster]
7. *Cubellis L, **Hill EB**, Taylor CA, Wexler RK, Spees CK. Differences in adherence to cardiovascular lifestyle recommendations, diet quality, and weight loss strategies by weight loss status in a nationally representative sample of U.S. adults. *The 35th Annual Edward F. Hayes Graduate Research Forum at The Ohio State University*; Columbus, OH. April 2021. [Poster]

8. **Hill EB**, Reisdorph RM, Quinn K, Doenges KA, Sutliff AK, Borengasser SJ, Tang M, Hendricks AE, O'Connor LE, Campbell WW, Krebs NF, Reisdorph NA. Foodomics analysis of a Mediterranean diet reveals food-specific compounds that are detected in human plasma. *University of Colorado Anschutz Postdoctoral Research Day 2022*; Aurora, CO. July 2022. [Poster] **1st place, Translational Research Poster Award**
9. **Hill EB**, Konigsberg IR, Ostendorf DM, Scorsone JJ, Wayland L, Bing K, MacLean PS, Melanson EL, Bessesen DH, Catenacci VA, Stanislowski MA, Borengasser SJ. The microbiome, epigenome, and diet in adults with obesity during behavioral weight loss. *Colorado NORC Annual Scientific Retreat 2022*; Aurora, CO. October 2022. [Poster] **NORC Poster Award winner**
10. **Hill EB**, Siebert JC, Konigsberg IR, Jambal P, Stanislowski MA, Ostendorf DM, Bing K, Wayland L, Scorsone JJ, Bessesen DH, MacLean PS, Melanson EL, Catenacci VA, Borengasser SJ. Network analysis reveals changes in dietary intakes and DNA methylation in inflammatory and obesity-related cancer pathways are associated with improvements in clinical health indicators during behavioral weight loss. *Colorado NORC Annual Scientific Retreat 2023*; Aurora, CO. November 2023. [Poster] **NORC Poster Award winner**