

Melissa M. Melough, PhD, RD

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Education

2019	PhD , Nutritional Epidemiology	University of Connecticut
2012	RD (Registered Dietitian)	Yale-New Haven Hospital
2011	BS , Nutritional Sciences	Cornell University

Professional Experience

2022 – Present	Assistant Professor University of Delaware; Health Behavior and Nutrition Sciences
2019 – 2022	Postdoctoral Research Scientist Seattle Children’s Research Institute; Child Health, Behavior and Development
2015 – 2019	Graduate Research Assistant University of Connecticut; Nutritional Sciences
2012 – 2015	Research Nutritionist Johns Hopkins University; Institute for Clinical and Translational Research
2011 – 2012	Dietetic Intern Yale-New Haven Hospital

Peer-Reviewed Publications *mentored graduate or undergraduate students

1. Webb MD*, **Melough MM**, Earthman CP, Katz SE, Pacanowski CR. Associations between anthropometry, body composition, and body image in athletes: a systematic review. *Front Psychol.* 2024; May 13;15:1372331.
2. Day DB, **Melough MM**, Flynn JT, Zhu H, Kannan K, Ruzinski J, de Boer IH, Sathyanarayana S. Environmental exposure to melamine and its derivatives and kidney outcomes in children. *Environ Res.* 2024; Mar 28;252(Pt 1):118789.
3. Baker BH, **Melough MM**, Paquette AG, Barrett ES, Day DB, Kurunthachalam K, Nguyen RHN, Bush NR, LeWinn KZ, Carroll KN, Swan SH, Zhao Q, Sathyanarayana S. Ultra-processed and fast food consumption, exposure to phthalates during pregnancy, and socioeconomic disparities in phthalate exposures. *Environ Int.* 2024; 183: 108427.
4. Bragg MG, Westlake M, Alshawabkeh AN, Bekelman TA, Camargo CA, Catellier DJ, Comstock SS, Dabelea D, Dunlop AL, Hedderson MM, Hockett CW, Karagas MR, Keenan K, Kelly NR, Kerver JM, MacKenzie D, Mahabir S, Maldonado LE, McCormack LA, **Melough MM**, Mueller NT, Nelson ME, O’Connor TG, Oken E, O’Shea TM, Switkowski KM, Sauder KA, Wright RJ, Wright RO, Zhang X, Zhu Y, Lyall K. Opportunities for examining child health impacts of early-life nutrition in the ECHO Program: Maternal and child dietary intake data from pregnancy to adolescence. *Curr Dev Nutr.* 2023; 7(11): 102019.

5. Sauder KA, Cohen CC, Mueller NT, Hockett CW, Switkowski KM, Maldonado LE, Lyall K, Kerver JM, Dabelea D, O'Connor TG, Glueck DH, **Melough MM**, Couzens GL, Catellier DJ. Identifying foods that optimize intake of key micronutrients during pregnancy. *J Nutr.* 2023; S0022-3166(23)72536-4.
6. **Melough MM**, Li M, Hamra G, Palmore M, Sauder KA, Dunlop AL, LeWinn KZ, Zhao Q, Kelly RS, Switkowski KM, Hipwell AE, Korrick SA, Collett BR, MacKenzie D, Nozadi SS, Kerver JM, Schmidt RJ, McGrath M, Sathyanarayana S. Greater Gestational Vitamin D Status is Associated with Reduced Childhood Behavioral Problems in the ECHO Program. *J Nutr.* 2023; 153(5): 1502-1511.
7. Chandran A, Burjak M, Petimar J, Hamra G, **Melough MM**, Dunlop AL, Snyder BM, Litonjua AA, Hartert T, Gern J, Alshwabkeh AN, Aschner J, Camargo CA, Dabelea D, Duarte CS, Ferrara A, Ganiban JM, Gilliland F, Gold DR, Hedderson M, Herbstman JB, Hockett C, Karagas MR, Kerver JM, Lee-Sarwar KA, Lester B, McEvoy CT, Niu Z, Stanford JB, Wright R, Zimmerman E, Farzan S, Zhang Z, Knapp E. Changes in Body Mass Index Among School-Aged Youths Following Implementation of the Healthy, Hunger-Free Kids Act of 2010. *JAMA Pediatr.* 2023; 177(4): 401-409.
8. Bekelman TA, Knapp E, Dong Y, Dabelea D, Bastain T, Breton C, Carroll KN, Camargo CA, Davis A, Dunlop AL, Elliott AJ, Ferrara A, Fry R, Ganiban JM, Gilbert-Diamond D, Gilliland FD, Hedderson M, Hipwell A, Hockett C, Huddleston KC, Karagas MR, Kelly N, Lai J, Lester B, Lucchini M, **Melough MM**, Mihalopoulos NL, O'Shea M, Rundle A, Stanford J, VanBronkhorst S, Wright RJ, Sauder KA. Sociodemographic Variation in Children's Lifestyle Behaviors during the COVID-19 Pandemic. *Child Obes.* 2023; 19(4): 226-238.
9. **Melough MM**, Sathyanarayana S, Zohoori FV, Gustafson HC, Sullivan EL, Chi D, Levy SM, McKinney CM. Impact of fluoride on associations between free sugar intake and dental caries in U.S. children. *JDR Clin. Transl. Res.* 2023; 8(3): 215-223.
10. Tylavsky FA, Han L, Taylor LMS, Mason WA, Carroll KN, Bush NR, LeWinn KZ, **Melough MM**, Hartman TJ, Zhao Q. Oxidative Balance Score during Pregnancy is Associated with Oxidative Stress in the CANDLE Study. *Nutrients.* 2022; 14(11): 2327.
11. **Melough MM**, Day DB, Fretts AM*, Wang S, Flynn JT, de Boer IH, Zhu H, Kannan K, Sathyanarayana S. Associations of Dietary Intake with Urinary Melamine and Derivative Concentrations among Children in the GAPPs Cohort. *IJERPH.* 2022; 19(9): 4964.
12. **Melough MM**, Maffini MV, Otten JJ, Sathyanarayana S. Diet Quality and Exposure to Endocrine-Disrupting Chemicals among US Adults. *Environ Res.* 2022; 211: 113049.
13. Sakaki JR, **Melough MM**, Yang CZ, Provas AA, Perkins C, Chun OK. Estrogenic activity of capsule coffee using the VM7Luc4E2 assay. *CRTOX.* 2021; 2: 210-216
14. Kim K, **Melough MM**, Kim D, Sakaki JR, Lee J, Choi K, Chun OK. Nutritional Adequacy and Diet Quality Are Associated with Standardized Height-for-Age among U.S. Children. *Nutrients.* 2021; 13(5): 1689.
15. Sakaki JR, **Melough MM**, Wu S, Roberts MB, Eaton CB, Shadyab AH, Qureshi AA, Chun OK, Cho E. Citrus Consumption and Risk of Non-Melanoma Skin Cancer in the Women's Health Initiative. *Cancers.* 2021; 13(9): 2173.
16. **Melough MM**, Murphy LE, Graff JC, Derefinko KJ, Bush NR, LeWinn KZ, Enquobahrie D, Loftus CT, Sathyanarayana S, Tylavsky FA. Association of Gestational 25-hydroxyvitamin D and Neurocognitive Development at Age 4. *J Nutr.* 2021; 151(1): 132-139.
17. **Melough MM**, Sakaki J, Liao LM, Sinha R, Cho E, Chun OK. Association between Citrus Consumption and Melanoma Risk in the NIH-AARP Diet and Health Study. *Nutr Cancer.* 2021; 73(9): 1613-1620.

18. **Melough MM**, Foster D, Fretts AM, Sathyanarayana S. Dietary Sources of Melamine Exposure among US Children and Adults in the National Health and Nutrition Examination Survey 2003-2004. *Nutrients*. 2020; 12(12): 3844.
19. Sakaki JR, Li J, **Melough MM**, Tamimi R, Chavarro J, Chen MH, Chun OK. Orange juice intake and anthropometric changes in children and adolescents. *Public Health Nutr*. 2020; Oct 7: 1-8.
20. Sakaki J, **Melough M**, Provas A, Perkins C, Chun O. Evaluation of estrogenic chemicals in capsule and French press coffee using ultra-performance liquid chromatography with tandem mass spectrometry. *Toxicol Rep*. 2020; 7: 1020-1024.
21. Sun W, Rice M, Park MK, Chun OK, **Melough MM**, Nan H, Willett WC, Li W, Qureshi AA, Cho E. Intake of Furocoumarins and Risk of Skin Cancer in 2 Prospective US Cohort Studies. *J Nutr*. 2020; Mar 28.
22. Cao L, Lee SG, **Melough MM**, Sakaki JR, Maas KR, Koo SI, Chun OK. Long-Term Blackcurrant Supplementation Modified Gut Microbiome Profiles in Mice in an Age-Dependent Manner: An Exploratory Study. *Nutrients*. 2020; 12(2): 290.
23. Kim K, **Melough MM**, Sakaki JR, Ha K, Marmash D, Noh H, Chun OK. Association between Urinary Cadmium to Zinc Intake Ratio with Adult Mortality in a Follow-Up Study of NHANES 1988-1994 and 1999-2004. *Nutrients*. 2019; Dec 24: 12(1).
24. Sakaki JR, **Melough MM**, Li J, Tamimi RM, Chavarro JE, Chen MH, Chun OK. Associations between 100% Orange Juice Consumption and Dietary, Lifestyle and Anthropometric Characteristics in a Cross-Sectional Study of U.S. Children and Adolescents. *Nutrients*. 2019; Nov 6, 11(11).
25. **Melough MM**, Wu S, Li W, Eaton C, Nan H, Snetselaar L, Wallace R, Qureshi AA, Chun OK, Cho E. Citrus Consumption and Risk of Cutaneous Malignant Melanoma in the Women's Health Initiative. *Nutr Cancer*. 2019; Jul 23: 1-8.
26. Chang AR, Bailey-Davis L, Hetherington V, Ziegler A, Yule C, Kwiecen S, Graboski E, **Melough MM**, Collins C, Krekel C, Anderson C. Remote Dietary Counseling Using Smartphone Applications in Patients With Stages 1-3a Chronic Kidney Disease: a Mixed Methods Feasibility Study. *J Ren Nutr*. 2019; May 8: S1051-2276.
27. **Melough MM**, Kim K, Cho E, Chun OK. Relationship Between Furocoumarin Intake and Melanoma History among US Adults in the National Health and Nutrition Examination Survey 2003-2012. *Nutr Cancer*. 2019; May 10: 1-9.
28. **Melough MM**, Chung SJ, Fernandez ML, Chun OK. Association of Eggs with Dietary Nutrient Adequacy and Cardiovascular Risk Factors in US Adults. *Public Health Nutr*. 2019; 11: 2033-2042.
29. Al-Yousef HM, Lemos BS, Thomas MS, **Melough M**, Chun OK, Fernandez ML. Low plasma HDL cholesterol is associated with greater risk for cardiovascular disease in subjects with metabolic syndrome. *Curr Top Biochem Res*. 2019; 19: 25-36.
30. Kim K, **Melough M**, Vance TM, Kim D, Noh H, Koo SI, Chun OK. The relationship between zinc intake and cadmium burden is influenced by smoking status. *Food Chem Toxicol*. 2019; 125(2019): 210-216.
31. Kim K, **Melough M**, Kim D, Vance TM, Noh H, Koo SI, Chun OK. Dietary Cadmium Intake and Sources in the US. *Nutrients*. 2018; Dec 20: 11(1).
32. Sakaki J, **Melough M**, Lee SG, Kalinowski J, Koo SI, Lee SK, Chun OK. Blackcurrant supplementation improves trabecular bone mass in young but not aged mice. *Nutrients*. 2018; 10: 1671.
33. **Melough MM**, Chun OK. Dietary Furocoumarins and Skin Cancer: A Review of Current Biological Evidence. *Food Chem Toxicol*. 2018; 122: 163-171.

34. **Melough MM**, Cho E, Chun OK. Furocoumarins: A review of biochemical activities, dietary sources and intake, and potential health risks. *Food Chem Toxicol.* 2018; 113: 99-107.
35. Fernandez ML, Thomas MS, Lemos BS, DiMarco DM, Missimer A, **Melough M**, Chun OK, Murillo AG, Alyousef H, Medina-Vera I. TA-65, A Telomerase Activator, Improves Cardiovascular Markers in Patients with Metabolic Syndrome. *Curr Pharm Des.* 2018; 24(17).
36. **Melough MM**, Sun X, Chun OK. The Role of AOPP in Age-Related Bone Loss and the Potential Benefits of Berry Anthocyanins. *Nutrients.* 2017; 9(7): 789.
37. **Melough MM**, Lee SG, Cho E, Kim K, Provas AA, Perkins C, Park MK, Qureshi A, Chun OK. Identification and Quantitation of Furocoumarins in Popularly Consumed Foods in the U.S. using QuEChERS Extraction Coupled with UPLC-MS/MS Analysis. *J Agric Food Chem.* 2017; 65(24): 5049-5055.
38. **Melough MM**, Vance TM, Lee SG, Provas AA, Perkins C, Qureshi A, Cho E, Chun OK. Furocoumarin Kinetics in Plasma and Urine of Healthy Adults Following Consumption of Grapefruit (*Citrus paradisi* Macf.) and Grapefruit Juice. *J Agric Food Chem.* 2017; 65(14): 3006-3012.
39. Chang AR, Miller ER, Anderson CA, Juraschek SP, **Moser M**, White K, Henry B, Krekel C, Oh S, Charleston J, Appel LJ. Phosphorus Additives and Albuminuria in Early Stages of CKD: A Randomized Controlled Trial. *Am J Kidney Dis.* 2017; 69(2): 200-209.
40. **Moser M**, Chun OK. Vitamin C and Heart Health: A Review Based on Findings from Epidemiologic Studies. *Int J Mol Sci.* 2016; 17(8): E1328.
41. **Moser M**, White K, Henry B, Oh S, Miller ER, Anderson CA, Benjamin J, Charleston J, Appel LJ, Chang AR. Phosphorus content of popular beverages. *AJKD.* 2015; 65(6): 969-971.

Manuscripts Under Review *mentored graduate or undergraduate students

1. Parenti M, **Melough MM**, Lapehn S, MacDonald J, Bammler T, Firsick E, Choi HY, Derefinko KJ, Enquobahrie DA, LeWinn KZ, Bush NR, Zhao Q, Sathyanarayana S, Paquette AG. Associations Between Prenatal Vitamin D and Placental Gene Expression. *J Nutr.*
2. Webb MD*, Park JW, Day DB, Trabulsi JC, Sathyanarayana S, **Melough MM**. Associations of Phthalate Exposure with Adiposity and Metabolic Syndrome in US Adolescents and Adults, NHANES 2013-2018. *JECM.*
3. Riederer AM, Sherris AR, Szpiro AA, **Melough MM**, Simpson CD, Loftus CT, Day DB, Wallace ER, Trasande L, Barrett ES, Nguyen RHN, Kannan K, Robinson M, Swan SH, Mason WA, Bush NR, Sathyanarayana S, LeWinn KZ, Karr CJ. Environmental and dietary factors associated with urinary OH-PAHs in mid-pregnancy in a large multi-site study. *JESEE.*
4. **Melough MM**, McGrath M, Palmore M, Collett BR, Kerver JM, Hockett CW, Schmidt RJ, Kelly RS, Lyall K, Zhao Q, Hipwell AE, Korrick SA, Gilbert-Diamond D, Weiss ST, Chu SH, Mirzakhani H, Porter JM, Sathyanarayana S. Gestational vitamin D concentration and child cognitive development. *JAMA Netw Open.*

Book Chapters

1. Sakaki JR, **Melough MM**, Chun OK. "Anthocyanins and anthocyanin-rich food as antioxidants in bone pathology." *Pathology: Oxidative Stress and Dietary Antioxidants.* Ed. Preedy VR. Elsevier Inc., 2020. Print.

2. Sakaki J, **Melough MM**, Lee SG, Chun OK. "Polyphenol-Rich Diets in Cardiovascular Disease Prevention." *Analysis in Nutrition Research, Principles of Statistical Methodology and Interpretation of Results, 1st Edition*. Ed. Pounis G. Elsevier Inc., 2018. Print.
3. **Melough MM**, Chang A. "The Relationship Between Phosphorus Intake and Blood Pressure." *Dietary Phosphorus: Health, Nutrition, and Regulatory Aspects*. Ed. Uribarri J, Calvo MS. CRC Press, 2017. Print.

Current Research Support *mentored graduate student

NIH R36OD037660A (Role: Unfunded mentor; PI: Webb*)

07/03/2024 – 06/30/2026

Influences of Prenatal Phthalate Exposure on Early Childhood Overweight/Obesity and Potentially Protective Dietary Strategies

NIH UG3ES034412 (Role: Co-I; MPis: Sathyanarayana and Collett)

09/01/2023 – 08/31/2030

Mediators and Modifiers of Prenatal Environmental Exposures and Child Neurodevelopment: DNA methylation, Prenatal Diet, and Cognitive Stimulation study

University of Delaware General University Research Fund (Role: PI)

06/01/2023 – 05/31/2025

Can Dietary Choices Improve Childhood Neurodevelopmental Outcomes via Arsenic Methylation?

Completed Research Support

NIH R21ES030832 (Role: Postdoctoral fellow [2019-2022]; PI: Sathyanarayana)

07/01/2019 – 06/30/2023

Melamine/Cyanuric Acid Exposure and Kidney Injury in Children

NIH UH3 OD023271 (Role: Postdoctoral fellow [2019-2022]; MPis: Sathyanarayana and Karr)

09/01/2018 – 08/31/2023

Prenatal and Early Childhood Pathways to Health: An Integrated Model of Chemical and Social Exposures, Biological Mechanisms, and Sex-Specific Effects on Neurodevelopment and Respiratory Outcomes (PATHWAYS)

Honors and Awards

2021	"Big Win" Research Project , NIH Environmental influences on Children Health Outcomes (ECHO) Program
2019	Doctoral Dissertation Fellowship , University of Connecticut
2018	Hamilton D. Eaton Award for Research Excellence in Nutritional Sciences , University of Connecticut
2018	K. Patricia Cross Future Leaders Award Nominee , Association of American Colleges & Universities
2018	Diet & Cancer Emerging Leaders Competition, 3rd Place , American Society for Nutrition
2017	Janina Czajkowski Scholarship in Community Nutrition , University of Connecticut
2016	Recognition of Excellence in Teaching , University of Connecticut

- 2012 **Anita M. White Endowment Award**, Yale-New Haven Hospital Dietetic Internship
 2010 **College of Human Ecology Alumni Grant**, Cornell University Alumni Association

Invited Presentations

- Oct 2024 **Evidence-Based Dietary Patterns and Emerging Nutrition Issues in the US**
 NorthEast Regional Occupational Health Nurses Conference; Wilmington, DE
- June 2024 **Omega-3 Fatty Acids to Mitigate Obesogenic Effects of Prenatal Phthalate Exposure**
 NIH Endocrine-Disrupting Chemicals (EDC) Mitigation Workshop; Bethesda, MD
- June 2023 **Epidemiological evidence of the benefits of seafood consumption across the lifespan**
 Korean Society of Food Science and Technology Annual Conference; Jeju, Korea
- June 2023 **Endocrine Disruptors in the Modern Food System**
 ENDO 2023; Chicago, IL
- Aug 2014 **Keynote Speech**
 Yale-New Haven Hospital Dietetic Internship Commencement; New Haven, CT

Refereed Oral Presentations *mentored graduate or undergraduate students

1. Webb MD*, Park JW, Day DB, Trabulsi JC, **Melough MM**. Associations of Phthalate Exposure with Adiposity in US Adolescents and Adults, NHANES 2013-2018. The Obesity Society Annual Meeting, Dallas, TX, October 14-17, 2023
2. Riederer AM, Sherris AR, Simpson CD, Szpiro AA, Loftus CT, **Melough MM**, Masterson EE, Day D, Wallace ER, Trasande L, Barrett ES, Nguyen RHN, Kannan K, Robinson M, Swan SH, Mason WA, Bush NR, Sathyanarayana S, LeWinn KZ, Karr CJ. Associations Between Environmental Tobacco Smoke (ETS) and Ambient PM2.5 Exposures and Urinary Monohydroxylated Polycyclic Aromatic Hydrocarbon Metabolites (OH-PAHs) in Three Pregnancy Cohorts: A Cross-sectional Study. International Society of Exposure Science Annual Meeting, Chicago, IL, August 27-31, 2023
3. **Melough MM**, Liao LM, Sinha R, Cho E, Chun OK. Citrus Furocoumarins and Melanoma Risk: Findings from the NIH-AARP Diet and Health Study. University of Connecticut CAHNR Graduate Student Research Forum, Storrs, CT, April 6, 2019.
4. **Melough MM**, Wu S, Li W, Eaton C, Nan H, Snetselaar L, Wallace R, Qureshi AA, Chun OK, Cho E. Citrus Consumption and Risk of Cutaneous Malignant Melanoma in the Women's Health Initiative. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
5. **Melough MM**, Kim K, Sakaki J, Cho E, Chun OK. Furocoumarin Intake and Melanoma History among US Adults in NHANES 2003-2012. University of Connecticut CAHNR Graduate Student Research Forum, Storrs, CT, March 24, 2018.
6. **Moser M**, Vance TM, Mali T, Lee SG, Perkins C, Provas A, Qureshi A, Cho E, Chun OK. Major Furocoumarins are Detectable in Plasma and Urine Following Consumption of Grapefruit and Grapefruit Juice. Experimental Biology Conference, San Diego, CA, April 2-6, 2016

Refereed Poster Presentations *mentored graduate or undergraduate students

1. Webb MD*, Brewer B, Sathyanarayana S, Park JW, Trabulsi JW, Day DB, **Melough MM**. Association of Urinary Phthalate Metabolites with Cardiometabolic Risk Factors in US Adults and Potential

Modification by Oxidative Balance Score, NHANES 2015–2018. American Society for Nutrition Conference, Chicago, IL, June 29 – July 3, 2024

2. Parenti M, **Melough MM**, Lapehn S, MacDonald J, Bammler T, Firsick EJ, Choi HY, Derefinko KJ, Enquobahrie DA, Carroll KN, LeWinn KZ, Bush NR, Zhao Q, Sathyanarayana S, Paquette AG. Associations Between Prenatal Vitamin D and Placental Gene Expression. American Society for Nutrition Conference, Chicago, IL, June 29 – July 3, 2024
3. Pourreza S*, O'Donnell B*, **Melough MM**. Vitamin D status among pregnant, lactating, and women of reproductive age in the United States. University of Delaware College of Health Sciences Research Day, Newark, DE, March 20, 2024
4. Boudier S*, **Melough M**, Lee D. Perceptions of Physical Activity Participation and Technology Use in Autistic Adults. University of Delaware College of Health Sciences Research Day, Newark, DE, March 20, 2024
5. Webb MD*, Brewer B, Sathyanarayana S, Park JW, Trabulsi JC, Day DB, **Melough MM**. Associations of Urinary Phthalate Metabolites with Glucose Metabolism Markers in US Adults and Potential Modification by Oxidative Balance Score, NHANES 2015-2018. University of Delaware College of Health Sciences Research Day, Newark, DE, March 20, 2024
6. Hockett C, Knapp E, Ghidey R, Ziegler K, Elliott A, Aschner J, Camargo CA, Dabelea, Dunlop A, Ferrara A, Zhu Y, Chehab R, Santarossa S, Hartert T, Karagas MR, **Melough M**, Ganiban J, MacKenzie DA, McEvoy C, Lyall K, O'Connor T, Thompson A, Kerver J, Strakovsky R, McCormack L. Associations between the community food environment and fruit and vegetable and sugar-sweetened beverage consumption in children in the ECHO Cohort. World Congress of Epidemiology 2024. Cape Town, South Africa, September 24-27, 2024
7. Reznikov EA, **Melough MM**, Lee DY, Suskind DL, Bammler TK, Samy S, MacDonald J, Sathyanarayana S. Reverse-Engineered Exclusive Enteral Nutrition As Induction Therapy In Pediatric Crohn's Disease: Effects on Clinical Outcomes, Systemic Immunity, and Environmental Toxin Exposure. Annual Conference of the International Society for Environmental Epidemiology, Santiago, Chile, August 25-28, 2024
8. Free P*, **Melough MM**. Endocrine-disrupting Chemical Exposure Across Varying Socioeconomic Backgrounds. University of Delaware College of Health Sciences Research Day, Newark, DE, March 8, 2023
9. Vizthum D*, Patterson F, Earthman C, **Melough MM**, Pacanowski CR. The Impact of Time Restricted Eating on Eating Behaviors, Diet Quality, Body Weight, and Body Composition: Protocol for a Single Arm Study in Emerging Adult Females who are "Night Eaters." University of Delaware College of Health Sciences Research Day, Newark, DE, March 8, 2023
10. Webb MD*, **Melough MM**, Earthman C, Pacanowski CR. Associations of anthropometric measurements with body image in athletes: a systematic review. University of Delaware College of Health Sciences Research Day, Newark, DE, March 8, 2023
11. **Melough MM**, Day DB, Fretts AM, Wang S, Flynn JT, de Boer IH, Zhu H, Kannan K, Sathyanarayana S. Associations of Dietary Intake with Urinary Melamine Concentrations among Children aged 4-6 Years in the GAPPS Cohort. Academy of Nutrition and Dietetics Food & Nutrition Conference & Expo, Virtual Meeting, October 16-19, 2021
12. Day DB, **Melough MM**, Flynn JT, Zhu H, Kannan K, Ruzinski J, De Boer IH, Sathyanarayana S. Environmental Exposure to Melamine-Related Compounds and Kidney Outcomes in Children.

Annual Conference of the International Society for Environmental Epidemiology, New York City, NY, August 23-26, 2021

13. **Melough MM**, Murphy LE, Graff JC, Derefinko KJ, Bush NR, LeWinn KZ, Loftus CT, Sathyanarayana S, Tylavsky FA. Relationship between Gestational 25-hydroxyvitamin D Status and Neurocognitive Development at Age 4. Annual Conference of the International Society for Environmental Epidemiology, Virtual Meeting, August 24-27, 2020
14. Sakaki JR, **Melough MM**, Yang C, Provas A, Perkins C, Chun OK. Determination of the Estrogenic Activity of Coffee Extract Solutions Prepared from Capsule Coffee Using the BG1Luc4E2 Assay. American Society for Nutrition Conference, Virtual Meeting, June 1-4, 2020
15. Sakaki JR, **Melough MM**, Provas A, Perkins C, Chun OK. Identification and Quantification of Estrogenic Chemicals in Coffee Prepared from Capsules Using Ultra-Performance Liquid Chromatography with Tandem Mass Spectrometry. American Society for Nutrition Conference, Virtual Meeting, June 1-4, 2020
16. Sakaki JR, Li J, **Melough MM**, Tamimi R, Chavarro JE, Chen MH, Chun OK. Orange Juice Consumption Is Not Associated with Excess Weight Gain in a Large Prospective Cohort of US Children and Adolescents. American Society for Nutrition Conference, Virtual Meeting, June 1-4, 2020
17. Sakaki J, **Melough M**, Li J, Tamimi R, Chavarro J, Chen MH, Chun OK. Associations Between OJ Consumption and Dietary and Lifestyle Characteristics and Anthropometric Parameters in a Cross-Sectional Study of U.S. Children in GUTS I and II. American Society for Nutrition Conference, Baltimore, MD, June 8-11, 2019
18. Kim K, **Melough M**, Sakaki J, Noh H, Koo S, Chun OK. Association of Urinary Cadmium with Cancer Mortality is Influenced by Zinc Intake in Follow-up Study of NHANES 1988-1994 and 1999-2004. American Society for Nutrition Conference, Baltimore, MD, June 8-11, 2019
19. Lee SG, Lei C, **Melough M**, Sakaki J, Maas K, Koo S, Chun OK. Impacts of Aging and Blackcurrant Supplementation on the Gut Microbiome Profile of Female Mice. American Society for Nutrition Conference, Baltimore, MD, June 8-11, 2019
20. **Melough MM**, Kim K, Sakaki J, Cho E, Chun OK. Relationship Between Furocoumarin Intake and Melanoma History among US Adults in the National Health and Nutrition Examination Survey 2003-2012. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
21. **Melough MM**, Wu S, Li WQ, Eaton C, Nan H, Snetselaar L, Wallace R, Qureshi AA, Chun OK, Cho E. Citrus Consumption and Risk of Cutaneous Malignant Melanoma in the Women's Health Initiative. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
22. Kim K, **Melough M**, Kim D, Vance TM, Noh H, Koo SI, Chun OK. The Impact of Zinc Intake on Cadmium Burden is Differently Influenced by Smoking Status. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
23. Kim K, **Melough M**, Kim D, Vance TM, Noh H, Koo SI, Chun OK. Estimation of Dietary Cadmium Intake and Major Food Sources in the US Population from NHANES 2007-2012. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
24. Thomas MS, Lemos BS, DiMarco D, **Melough M**, Missimer A, Murillo AG, Chun OK, Alyousef H, Medina-Vera I, Fernandez ML. Telomerase activator 65 (TA-65) favorably affects parameters of metabolic syndrome. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018

25. Alyousef H, Thomas MS, Lemos BS, **Melough M**, Chun OK, Fernandez ML. Low plasma HDL cholesterol is associated with greater risk for heart disease in patients with metabolic syndrome. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
26. Sun W, Park MK, Chun O, **Melough M**, Qureshi A, Cho E. Intake of Furocoumarins and the Risk of Skin Cancer in Cohort Studies in US. American Society for Nutrition Conference, Boston, MA, June 9-12, 2018
27. **Melough MM**, Chung S-J, Fernandez M-L, Chun OK. Impact of Eggs on Dietary Nutrient Adequacy and Cardiovascular Risk in U.S. Adults. Experimental Biology Conference, American Society for Nutrition, Chicago, IL, April 22-26, 2017
28. **Melough MM**, Kim K, Cho E, Provas A, Perkins C, Park MK, Qureshi A, Chun OK. Estimation of Furocoumarin Intake of the U.S. Population in the National Health and Nutrition Examination Survey. Experimental Biology Conference, American Society for Nutrition, Chicago, IL, April 22-26, 2017
29. **Melough MM**, Lee SG, Cho E, Kim K, Provas A, Perkins C, Park MK, Qureshi A, Chun OK. Identification and Quantitation of Furocoumarin Contents in Popularly Consumed Foods in the U.S. using UPLC-MS/MS. Experimental Biology Conference, American Society for Nutrition, Chicago, IL, April 22-26, 2017
30. Park MK, Chun OK, **Melough MM**, Qureshi A, Cho E. Development of Furocoumarin Database and Intake Trend of Furocoumarins in US Health Professionals. Experimental Biology Conference, American Society for Nutrition, Chicago, IL, April 22-26, 2017
31. Kim K, Kim D, Noh H, **Melough MM**, Chun OK. Standardized height for age was positively associated with nutritional adequacy and food intakes of U.S. children in NHANES 2007-2014. Experimental Biology Conference, American Society for Nutrition, Chicago, IL, April 22-26, 2017
32. Chang A, Miller E, Anderson C, **Moser M**, Charleston J, White K, Henry B, Oh S, Appel L, Juraschek S. The Effects of Phosphorus Additives on Albuminuria and Fibroblast Growth Factor-23. American Heart Association Epidemiology and Prevention/Lifestyle and Cardiometabolic Health Scientific Sessions, Phoenix, AZ, March 1-4, 2016
33. Liskov E, Mastroianni L, **Moser M**. Group Nutrition Counseling Is More Efficient and Equally Effective as Individual Counseling in Promoting Weight Loss Prior to Bariatric Surgery. American Dietetic Association Food & Nutrition Conference & Expo, Philadelphia, PA, October 6-9, 2012

In the News

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| 2024 | New York Times " Scientists Keep Finding Heavy Metals in Dark Chocolate. Should You Worry? " |
| 2024 | New York Times " Is Fluoridated Drinking Water Safe for Pregnant Women? " |
| 2023 | New York Times " Do I Need to Avoid Dark Chocolate Now? " |
| 2023 | UDaily " Deficient in Vitamin D " |
| 2022 | WGN Radio 720 Chicago "Why Europe bans ingredients that are allowed in the U.S." |
| 2022 | Baby Steps Nutrition Podcast " What Does it Mean to Be Healthy? A Pediatric Researcher Shares her Findings " |

Teaching

Instructor *course developed

<i>Semesters</i>	<i>Course</i>
F 2022, F 2023, F 2024	HBNS 609 – Survey Research Methods
S 2023, S 2024	HBNS 222 – Introduction to Epidemiology
F 2023	NTDT 632 – Nutrition Epidemiology*

Guest Lecturer

<i>Semester</i>	<i>Course (Topic)</i>	<i>Location</i>
S 2022	Health Education (Thinking Like an Epidemiologist)	Interlake High School
F 2018	Dietary Supplements (Weight Loss Supplements)	UCONN
F 2018	Nutrition and Human Development (Pregnancy Nutrition)	UCONN
F 2016	Dietary Supplements (Weight Loss Supplements)	UCONN
S 2016	Fundamentals of Nutrition (Energy Balance)	UCONN
F 2014	Gastrointestinal Physiology (Nutrition and the Life Cycle)	Johns Hopkins University
F 2013	Gastrointestinal Physiology (Adult Nutrition and Fad Diets)	Johns Hopkins University

Mentorship

Dissertation Committees (Chairperson)

2023 – 2027	Sanaz Pourreza; UD Nutrition Science PhD <i>Vitamin D Status Across the Lifespan and Influences on Cardiovascular Disease Risk</i>
2022 - 2026	Mary D. Webb; UD Nutrition Science PhD <i>Influences of Phthalate Exposure on Cardiometabolic Health and Potentially Protective Dietary Strategies</i>

Dissertation Committees (Member)

2023 – 2027	Shazia Shaukat; UD Epidemiology PhD <i>Topic TBD</i>
2022 – 2025	Diane Vizthum; UD Nutrition Science PhD <i>Time-Restricted Eating, Eating Behaviors, and Cardiometabolic Risk in Emerging Adults</i>

Thesis Committees and Advising

2023 – 2025	Susmita Basnet, UD Nutrition MS (Committee Member) <i>American Heart Association Life's Essential Eight</i>
2022 – 2024	Sophia Angeletakis, UD Health Promotion MS (Second Reader) <i>Evaluation of University of Delaware's Alcohol Risk Reduction Programming</i>
2021 – 2022	Claudia Nguyen; UW Applied Toxicology MS (Research Project Advisor) <i>Characterizations of Children's Arsenic Exposures using Urinary Metabolites</i>
2019 – 2021	Deborah Foster; UW Epidemiology MS (Research Project Advisor) <i>Dietary Sources of Melamine Exposure Among Participants in NHANES 2003-2004</i>

Undergraduate Research Supervision

2024	Alexa Harrison: <i>Microplastics contamination of the food supply</i>
2023 – 2024	Bridget O'Donnell: <i>Determinants of vitamin D deficiency among pregnant US women</i>
2023	Peyton Free: <i>Strategies to reduce exposure to environmental endocrine disruptors</i>

Other Mentorship Roles

2020 – 2022	Washington State Opportunity Scholarship Program, Undergraduate Career Mentor
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2018 – 2019 UCONN Bridging the Gap Summer Undergraduate Research Program, Student Advisor

Service and Leadership

Service to the Department (D), College (C), and University (U)

2023 – Present College of Health Sciences Research Advisory Committee Member (C)
2022 – Present Nutrition Graduate Program Committee Member (D)
2022 – 2023 Epidemiology Program Tenure Track Search Committee Member (C)

Service to the Profession

2024 **Study Section**, NIH ECHO Opportunities and Innovation Fund (OIF)
2023 **Study Section**, American Heart Association Pre- and Post-Doctoral Fellowship, Human Studies section
2023 **Poster Judge**, Maternal, Perinatal and Pediatric Nutrition topical area for the ASN Emerging Leaders in Nutrition Science Poster Competition
2022 – Present **Reviewer Board Member**, International Journal of Environmental Research and Public Health
2022 – Present **Early Career Reviewer**, Environmental Health Perspectives
2020 – Present **Editorial Board Member**, Nutrients
2022, 2024 **Abstract Reviewer**, Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo
2017 – 2018 **Graduate Student Council Representative**, University of Connecticut
2016 – 2018 **Graduate Student Representative**, American Society for Nutrition Community and Public Health Nutrition Research Interest Section

Ad hoc reviewer:

Advances in Nutrition	Environment International
American Journal of Preventive Medicine	Frontiers in Physiology
BMC Public Health	Int. Journal of Hygiene and Environmental Health
Computational Toxicology	Journal of Nutrition
Current Nutrition Reports	Oncology Research and Treatment
Environmental Health Perspectives	Psychological Medicine
Environmental Research	Scientific Reports

Professional Affiliations

2024 – Present **The Endocrine Society**, Member
2021 – Present **The Obesity Society**, Member
2014 – Present **American Society for Nutrition**, Member
2010 – Present **Academy of Nutrition and Dietetics**, Member