

Dayeon Shin, PhD, RD

Assistant Professor of Nutrition
Department of Public Health, Food Studies and Nutrition
David B. Falk College of Sport and Human Dynamics
Syracuse University
552 White Hall, Syracuse, NY 13244
dshin03@syr.edu
315.443.9324

EDUCATION

PhD, Human Nutrition (December 2015)

Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI

MS, Human Nutrition (August 2012)

Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI

BS, Nutritional Science and Food Management; Minor in Consumer Science (February 2009)

Department of Nutritional Science and Food Management, Ewha Womans University, Seoul, Korea

CREDENTIALS

Registered Dietitian (RD) (2017-Present)

Commission on Dietetic Registration (ID 86047722)

ACADEMIC POSITIONS

Assistant Professor (August 2017-Present)

Department of Public Health, Food Studies and Nutrition, Syracuse University

Assistant Professor (July 2016-July 2017)

Department of Nutrition and Dietetics, University of North Dakota

Dietetic Intern (August 2015-June 2016)

Department of Food Science and Human Nutrition, Michigan State University

Research Intern Fellow (August 2010)

NYU Center for the Study of Asian American Health

Department of Population Health, NYU School of Medicine

Graduate Research/Teaching Assistant (June 2009-August 2015)

Department of Food Science and Human Nutrition, Michigan State University

SCHOLARSHIPS AND AWARDS

Dissertation Completion Fellowship, College of Agriculture and Natural Resources, Michigan State University, Summer 2015

Olaf and Clarice Mickelsen Human Nutrition Endowed Fellowship, Department of Food Science and Human Nutrition, Michigan State University, 2014-2015

Sara Lee Endowment Fund for Food Safety in Food Science and Human Nutrition, Department of Food Science and Human Nutrition, Michigan State University, 2014-2015

Graduate Student Travel Funding, Michigan State University, 2013, 2014, 2015

Beth and Holly Fryer Endowed Scholarship, Department of Food Science and Human Nutrition, Michigan State University, 2013-2014

College of Agriculture & Natural Resources Summer Funding, Michigan State University, Summer 2012

H.A.M.M. Scholarship, Department of Food Science and Human Nutrition, Michigan State University, 2011-2012

College of Agriculture & Natural Resources Summer Funding, Michigan State University, Summer 2011

Olaf and Clarice Mickelsen Human Nutrition Endowed Fellowship, Department of Food Science and Human Nutrition, Michigan State University, 2010-2011

PUBLICATIONS (PEER-REVIEWED ARTICLES)

Published (* denotes corresponding author)

1. **Shin D**, Kwon SC, Kim MH, Lee KW, Choi SY, Shivappa N, Hébert JR, Chung H-K. Inflammatory potential of diet is associated with cognitive function in an older adult Korean population. *Nutrition*. In Press.
2. Lee KW, **Shin D***. A healthy beverage consumption pattern is inversely associated with the risk of obesity and metabolic abnormalities in Korean adults. *Journal of Medicinal Food*. In Press.
3. **Shin D**, Lee KW, Kim MH, Kim HJ, An YS, Chung H-K. Identifying dietary patterns associated with mild cognitive impairment in older Korean adults using reduced rank regression. *International Journal of Environmental Research and Public Health*. 2018;15(1):E100. PMID: 29315276
4. Cho EH, **Shin D**, Cho KH, Hur J. Prevalences and management of diabetes and pre-diabetes among Korean teenagers and young adults: Results from the Korea National Health and Nutrition Examination Survey 2005-2014. *Journal of Korean Medical Science*. 2017;32(12):1984-1990. PMID: 29115080
5. Chung H-K, **Shin D**, Chung KR, Choi SY, Woo N. Recovering the royal cuisine in Chosun Dynasty and its esthetics. *Journal of Ethnic Foods*. 2017;4(4):242-253.
6. **Shin D**, Hur J, Cho E-H, Chung H-K, Shivappa N, Wirth M, Hébert J, Lee KW. Pre-pregnancy body mass index is associated with dietary inflammatory index and C-reactive protein concentrations during pregnancy. *Nutrients*. 2017;9(4):E351. PMID: 28368304
7. **Shin D**, Lee KW, Song WO. Dietary patterns during pregnancy are associated with gestational weight gain. *Maternal and Child Health Journal*. 2016;20(12):2527-2538. PMID: 27456307

8. Lee KW, **Shin D**, Song WO. Total water intake from beverages and foods is associated with energy intake and eating behaviors in Korean adults. *Nutrients*. 2016;8(10):E617. PMID: 27782040
9. Kim WK, **Shin D**, Song WO. Are dietary patterns associated with depression in US adults? *Journal of Medicinal Food*. 2016;19(11):1074-1084. PMID: 27696939
10. Chung HK, Yang HJ, **Shin D**, Chung KR. Aesthetics of Korean foods: The symbol of Korean culture. *Journal of Ethnic Foods*. 2016;3(3):178-188.
11. **Shin D**, Lee KW, Song WO. Prepregnancy weight status is associated with diet quality and nutritional biomarkers during pregnancy. *Nutrients*. 2016;8(3):E162. PMID: 26978398
12. Lee KW, **Shin D**, Song WO. Low urinary iodine concentrations associated with dyslipidemia in US adults. *Nutrients*. 2016;8(3):E171. PMID: 26999198
13. Lee KW, **Shin D**, Cho MS, Song WO. Food group intakes as determinants of iodine deficiency among US adult population. *Nutrients*. 2016;8(6):E325. PMID: 27240399
14. Lee KW, Cho MS, **Shin D**, Song WO. Changes in iodine status among US adults, 2001-2012. *International Journal of Food Sciences and Nutrition*. 2016;67(2):184-192. PMID: 26883401
15. **Shin D**, Lee KW, Song WO. Dietary patterns during pregnancy are associated with risk of gestational diabetes mellitus. *Nutrients*. 2015;7(11):9369-9382. PMID: 26569302
16. **Shin D**, Song SJ, Krumhar K, Song WO. Snack patterns are associated with biomarkers of glucose metabolism in U.S. men. *International Journal of Food Sciences and Nutrition*. 2015;66(5):595-602. PMID: 26186098
17. Kim WK, **Shin D**, Song WO. Depression and its comorbid conditions more serious in women than in men in the United States. *Journal of Women's Health*. 2015;24(12):978-985. PMID: 26131726
18. **Shin D**, Song WO. Prepregnancy BMI is an independent risk factor for gestational hypertension, gestational diabetes, preterm labor, and small- and large-for-gestational-age infants. *Journal of Maternal-Fetal & Neonatal Medicine*. 2015;28(14):1679-1686. PMID: 25211384
19. Song WO, Song SJ, Gonzalez A, **Shin D**, Nieves V. Parents' BMI and weight perception are associated with overweight and obesity among children in Michigan Migrant and Seasonal Farm Worker families. *Jacobs Journal of Community Medicine*. 2015;1(1):3-8.
20. **Shin D**, Chung H, Weatherspoon L, Song WO. Validity of prepregnancy weight status estimated from self-reported height and weight. *Maternal and Child Health Journal*. 2014;18(7):1667-1674. PMID: 24337814
21. **Shin D**, Bianchi L, Chung H, Weatherspoon L, Song WO. Is gestational weight gain associated with diet quality during pregnancy? *Maternal and Child Health Journal*. 2014;18(6):1433-1443. PMID: 24162550
22. Song WO, Chun OK, Hwang I, Shin HS, Kim BG, Kim KS, Lee SY, **Shin D**, Lee SG. Soy isoflavones as safe and functional ingredient. *Journal of Medicinal Food*. 2007;10(4):571-580. PMID: 18158825

Under-Review (* denotes corresponding author)

1. Cho KH, Cho EH, Hur J, **Shin D***. Association of sleep duration and obesity according to sex and age in Korean Adults: Results from the Korea National Health and Nutrition Examination Survey 2007–2015. Submitted to *International Journal of Obesity*

2. **Shin D**, Hur J, Cho KH, Cho EH. Trends of self-reported sleep duration in Korean Adults: Results from the Korea National Health and Nutrition Examination Survey 2007-2015. Submitted to *Sleep Medicine*

GRANT SUPPORT

Funded

A Study on the Socio-cultural Context, Status, and Developmental Strategies of Eating Alone
Youlchon Foundation, South Korea (11/1/2017-10/30/2018) (Total: \$13,252)
Role: Co-Investigator

Association of Prepregnancy Body Mass Index with Dietary Inflammatory Index and Concentrations of C-Reactive Protein during Pregnancy
The College of Nursing and Professional Disciplines (CNPD) Seed Grant, Office of Research & Grants Management, University of North Dakota (1/1/2017-12/31/2017) (Total: \$3,000)
Role: Principal Investigator

Pending

Identification of Interactions between Genetic Variants and Diet on the Risk of Gestational Diabetes in U.S. Pregnant Women
Allen Foundation (7/1/2018 - 6/30/2019) (Total: \$51,300)
Role: Principal Investigator

Improving Dietary Health among Elementary School Aged Children via a Digital Application Founded on Empirically Validated Behavior Change Strategies
National Institutes of Health/Omnibus Small Business Innovation Research Grants (7/1/2018 - 6/30/2019) (Total: \$225,000; Sub-award: \$38,115)
Role: Senior Personnel

Unfunded

Application of a New Statistical Method to Derive Egg Consumption Patterns in Association with Cognitive Function in a Healthy vs. At-risk Elderly Population in the United States
American Egg Board's Egg Nutrition Center (1/1/2018-12/31/2018) (Total: \$30,000)
Role: Principal Investigator

Combined Effects of Amounts and Cooking Methods of Egg Consumed During Pregnancy on Reducing the Risk of Gestational Diabetes Mellitus Among Pregnant Women in the United States
American Egg Board's Egg Nutrition Center (1/1/2018-12/31/2018) (Total: \$20,000)
Role: Principal Investigator

ONLINE ARTICLE

Shin D & Drzal N. 2016. "Tips to Create Healthier School Environments"
<http://articles.extension.org/pages/73824/tips-to-create-healthier-school-environments>. The eXtension Foundation, Kansas City, MO.

INVITED TALKS

1. **Shin D**. Determinants of gestational diabetes mellitus: Prepregnancy weight status and dietary patterns during pregnancy. Grand Forks Human Nutrition Research Center: USDA-ARS, Grand Forks, ND, August 9, 2016.
2. **Shin D**. Korean Cuisine: A Cultural Journey. Advanced Center for Korean Studies. Andong, South Korea, July 1, 2016.

SUBMITTED CONFERENCE ABSTRACTS

1. **Shin D**, Lee KW, Shivappa N, Hébert JR, Chung H-K. Influence of inflammatory potential of diet and sleep deprivation on cognitive function in older Korean adults. Nutrition 2018, Hynes Convention Center, Boston, MA. June 9-12, 2018.
2. **Shin D**, Lee KW, Brann L, Shivappa N, Hébert JR. A dietary inflammatory index is associated with serum high-sensitivity C-reactive protein in Korean adults: the 2015 Korea National Health and Nutrition Examination Survey. Nutrition 2018, Hynes Convention Center, Boston, MA. June 9-12, 2018.
3. Lee KW, **Shin D**. Night eating is associated with an increased risk of depression and depressive symptoms in Korean adults. Nutrition 2018, Hynes Convention Center, Boston, MA. June 9-12, 2018.
4. Lee KW, **Shin D**. The influence of weight status on the association between night eating and sleep duration of Korean adults. Nutrition 2018, Hynes Convention Center, Boston, MA. June 9-12, 2018.

CONFERENCE ORAL PRESENTATIONS (PUBLISHED ABSTRACTS)

1. **Shin D**, Song WO. Prepregnancy body mass index is an independent risk factor for pregnancy complications and poor birth outcomes. Experimental Biology 2015, Boston Convention & Exhibition Center, Boston, MA, March 30, 2015.
2. **Shin D**, Kim W, Song SJ, Song WO. Maternal determinants of pregnancy complications, birth outcomes, and postpartum depression. Experimental Biology 2014, San Diego Convention Center, San Diego, CA, April 29, 2014.
3. **Shin D**, Song SJ, Baik HY, Song WO. Meal and snack patterns associated with biomarkers of glucose metabolism, diet quality and weight status in US adults. Experimental Biology 2013, Boston Convention & Exhibition Center, Boston, MA, April 21, 2013.
4. **Shin D**, Song WO. Validity of BMI calculated from self-reported height and weight of men vs. women in the US: NHANES 2005-06. Academy of Nutrition and Dietetics, Food & Nutrition Conference & Expo 2011, San Diego Convention Center, San Diego, CA, September 25, 2011.
5. **Shin D**, Song WO. Determinants of valid estimation of prepregnant BMI. Experimental Biology 2011, Walter E. Washington Convention Center, Washington, DC, April 12, 2011.

CONFERENCE POSTER PRESENTATIONS (PUBLISHED ABSTRACTS)

1. **Shin D**, Lee KW, Hur J, Chung HK, Shivappa N, Wirth MD, Hébert JR. Prepregnancy body mass index is positively associated with dietary inflammatory index and C-reactive protein concentrations during pregnancy. Experimental Biology 2017, McCormick Convention Center, Chicago, IL. April 23, 2017.
2. **Shin D**, Lee KW, Tande DL, Hur J, Shivappa N, Wirth MD, Hébert JR. Effects of dietary inflammatory index and history of gestational diabetes mellitus on insulin resistance. Experimental Biology 2017, McCormick Convention Center, Chicago, IL. April 24, 2017.
3. Lee KW, **Shin D**, Song WO. Beverage patterns are associated with the risk factors of obesity and metabolic syndrome in Korean adults. Experimental Biology 2017, McCormick Convention Center, Chicago, IL. April 24, 2017.
4. **Shin D**, Lee KW, Song WO. Diet quality during pregnancy is inversely associated with prepregnancy weight status. Experimental Biology 2016, San Diego Convention Center, San Diego, CA, April 3, 2016.

5. Lee KW, **Shin D**, Cho MS, Song WO. Iodine status is associated with dyslipidemia in U.S. adults. Experimental Biology 2016. San Diego Convention Center, San Diego, CA. April 4, 2016.
6. Lee KW, Cho MS, **Shin D**, Song WO. Iodine status has changed between 2001 and 2012 in US adults. Experimental Biology 2016. San Diego Convention Center, San Diego, CA. April 4, 2016.
7. **Shin D**, Song WO. Risk of gestational diabetes mellitus associated with dietary patterns during pregnancy may not be mediated by inflammation. Experimental Biology 2015, Boston Convention & Exhibition Center, Boston, MA, March 30, 2015.
8. **Shin D**, Chung H, Song WO. Diet quality during pregnancy is not associated with adequate gestational weight gain. Experimental Biology 2014, San Diego Convention Center, San Diego, CA, April 28, 2014. **Top 10 Finalists for Nutrition Translation Research Interest Section Poster Competition for Graduate Students and Post-docs**
9. **Shin D**, Nieves V, Groth J, Song WO. Liquid consumption, but not pesticide exposure, was a determinant of diabetes in migrant and seasonal farmworker women in Michigan. Experimental Biology 2014, San Diego Convention Center, San Diego, CA, April 28, 2014.
10. Kim W, **Shin D**, Song SJ, Song WO. Insulin resistance and lipid profile in diabetic adults with depression. Experimental Biology 2014, San Diego Convention Center, San Diego, CA, April 28, 2014.
11. Song SJ, Gonzalez A, **Shin D**, Nieves V, Song WO. Mother's conception on weight status was a determinant of obesity among Michigan migrant seasonal farm worker families. Experimental Biology 2014, San Diego Convention Center, San Diego, CA, April 28, 2014.
12. **Shin D**, Hunt E, Song WO. Sociodemographic determinants of diet quality in US pregnant women. Academy of Nutrition and Dietetics, Food & Nutrition Conference & Expo 2013, George R. Brown Convention Center, Houston, TX, October 22, 2013.
13. Gonzalez A, Billings L, **Shin D**, Rosenbaum R, Song WO. Health disparities in Migrant and Seasonal Farmworker Children in Michigan. Academy of Nutrition and Dietetics, Food & Nutrition Conference & Expo 2013, George R. Brown Convention Center, Houston, TX, October 22, 2013.
14. **Shin D**, Krumhar K, Richardson R, Song WO. Daily eating frequency is associated with diet quality and weight status in US adults. Experimental Biology 2013, Boston Convention & Exhibition Center, Boston, MA, April 22, 2013. **Top 8 Finalists for the Community and Public Health Nutrition Research Interest Section Poster Competition for Graduate Students**
15. **Shin D**, Song WO. Consistencies in the quality of meals vs. snacks reflect biomarkers of health risks in US adults. Experimental Biology 2013, Boston Convention & Exhibition Center, Boston, MA, April 22, 2013.
16. **Shin D**, Song WO. Pregnancy BMI and gestational weight gain as determinants of prepregnancy complications and outcomes by race/ethnicity. Experimental Biology 2012, San Diego Convention Center, San Diego, CA, April 22, 2012. **Top 8 Finalists for the Community and Public Health Nutrition Research Interest Section Poster Competition for Graduate Students**
17. **Shin D**, Song WO. Pregnancy BMI and gestational weight gain as determinants of prepregnancy complications and outcomes by race/ethnicity. MSU Women's Health Research Conference, MSU Union, February 14, 2012.
18. **Shin D**, Bianchi L, Song WO. Rate of gestational weight gain associated with prepregnant BMI, diet quality, and nutrition-related behaviors during pregnancy. Experimental Biology 2011, Walter E. Washington Convention Center, Washington, DC, April 11, 2011.

PROFESSIONAL SERVICE

Editorial Board Member

- Journal of the Korean Dietetic Association (2018-Present)

Guest Editor

- Fibers: Special Issue “Dietary Fiber and Human Health” (2017-2018)

Ad Hoc Reviewer

- Public Health Nutrition (2016-Present)
- BMJ Open (2016-Present)
- Nutrients (2016-Present)
- International Journal of Environmental Research and Public Health (2017-Present)
- British Journal of Nutrition (2018-Present)

DEPARTMENTAL SERVICE

Department of Public Health, Food Studies and Nutrition, Syracuse University

- Graduate Student Admissions Committee (Fall 2017-Present)
- Comprehensive Exam Committee (Spring 2018-Present)
- Student Awards Committee (Spring 2018-Present)

Department of Nutrition & Dietetics, University of North Dakota

- Tenure & Promotion Policy Committee (Spring 2017)
- Workload Policy Committee (Spring 2017)
- Undergraduate & Graduate Scholarships Committee (Spring 2017)

TEACHING EXPERIENCES

University Teaching

Department of Public Health, Food Studies and Nutrition, Syracuse University

- NSD 457 Research and Evaluation in Nutrition (Fall 2017 and Spring 2018)
- NSD 225 Nutrition in Health (Spring 2018)

Department of Nutrition & Dietetics, University of North Dakota

- N&D 245 Nutrition Throughout the Life Cycle (Spring 2017)
- N&D 341 Community Nutrition I (Fall 2016)
- N&D 342 Community Nutrition II (Spring 2017)
- N&D 494 Research in Nutrition & Dietetics (Fall 2016)
- N&D 594 Research Methods in Nutrition (Spring 2017, Online Course)

Guest Lecturer

Department of Public Health, Food Studies and Nutrition, Syracuse University

- NSD 555 Food, Culture and Environment (Fall 2017)

Department of Nutrition & Dietetics, University of North Dakota

- N&D 335 World Food Patterns (Fall 2016)

Department of Food Science and Human Nutrition, Michigan State University

- HNF 375 Community Nutrition (Summer 2014 & Fall 2015)
- HNF 823 Research Methods in Human Nutrition (Spring 2015)

Graduate Teaching Assistant

- HNF 150 Intro to Human Nutrition (Fall 2013, Fall 2014 & Spring 2015)
- HNF 300 Experimental Approaches to Foods (Spring 2010, Fall 2010, Spring 2011, Fall 2011 & Spring 2012)
- HNF 375 Community Nutrition-Online Course (Summer 2013 & Summer 2015)

EXTRA-STATISTICAL TRAINING

Introduction to Genetics and Genomics, Population Genetic Data Analysis & Genetic Epidemiology Workshops, Summer Institute in Statistical Genetics (SISG), University of Washington, Seattle (July 10-July 21, 2017)

Structural Equation Models with Latent Variables & Applied Multilevel Models Workshops, Interuniversity Consortium for Political and Social Research (ICPSR), University of Michigan, Ann Arbor (July 22-August 16, 2013)

Integrated Data Analysis for Addiction Research Workshop, Interuniversity Consortium for Political and Social Research (ICPSR), University of Michigan, Ann Arbor (July 1-July 3, 2013)

PROFESSIONAL MEMBERSHIPS

2013-Present	American Society for Nutrition
2013-Present	Academy of Nutrition and Dietetics

MENTORING EXPERIENCES

Summer 2013	Violeta Nieves (BS, Dietetics Major) and Cierra Coe (BS, Microbio Major) Research Education Program to Increase Diversity in Health Researchers (REPID) Scholar, Michigan State University
-------------	--

Summer 2014	Sarai Garcia (BS, Nursing Major) Research Education Program to Increase Diversity in Health Researchers (REPID) Scholar, Michigan State University
-------------	--