

**CURRICULUM VITAE**

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**EDUCATION**

ScD	Harvard T.H. Chan School of Public Health Department of Nutrition Major: Nutrition and Epidemiology Advisor: Dr. Frank B. Hu	2011–2016
MSc	Peking University, China School of Public Health Major: Human Nutrition	2009–2011
MBBS	Peking University, China School of Public Health Major: Preventive Medicine Dual Degree: Psychology	2004–2009

**PROFESSIONAL EXPERIENCE**

<b>Tenure-track Assistant Professor</b> Department of Emergency Medicine School of Medicine University of North Carolina at Chapel Hill	2024–present
<b>Variable-track Assistant Professor</b> Department of Emergency Medicine School of Medicine University of North Carolina at Chapel Hill	2022–2024
<b>Research Associate</b> Harvard T.H. Chan School of Public Health	2018–2022
<b>Summer Visiting Student</b> University of Tokyo, Japan.	2010
<b>Student Intern</b> Beijing Center for Disease Control and Prevention, China	2009
<b>Medical Intern</b> Beijing Shijitan Hospital, China	2007–2008

**AWARDS AND HONORS**

<b>The Sandra A. Daugherty Award Finalist</b> American Heart Association EPI Lifestyle	2024
<b>Outstanding reviewer</b> Annals of Internal Medicine	2019
<b>Best Abstract Award</b> CVD Appalachia Conference II	2019
<b>Best abstract of AHA Specialty Conferences</b> American Heart Association	2019, 2024
<b>Postdoctoral Travel Award</b> Harvard T.H. Chan School of Public Health	2019
<b>Student Travel Award</b> Harvard TREC Center	2015
<b>Best Paper Award</b> Circulation	2015

**BIBLIOGRAPHY**Refereed Articles In Press/Preprint/Submitted:

1. **Ding M**, Chen HY, Lin FC. A Non-Markov Regression Model to Estimate Progression of Coronary Heart Disease. MedRxiv 2024; 1-10. BMC Medical Research Methodology. In revision.
2. **Ding M**, Lin FC, Meyer ML. Summary Estimates Derived from a Multi-state Non-Markov Framework to Characterize the Course of Heart Disease. MedRxiv 2024. In submission.
3. **Ding M**, Zou F. A Linear Mixed Model with Measurement Error Correction (LMM-MEC): A Method for Summary-data-based Multivariable Mendelian Randomization. Biometrical Journal. In revision.
4. Martin F Casey, Natalie M Elder, Alexander Fenn, Joshua Niznik, Danya Khoujah, Jon B Cole, Zachary Cardon, **Ding M**, Naira Goukasian, Elizabeth Moreton, Jennifer L Koehl, Katren Tyler, Rachel Skains, Shan W Liu. Comparative Safety of Sedating Medications Used to Calm Older Adults with Acute, Undifferentiated Agitation: A Geriatric Emergency Department Guidelines 2.0 Systematic Review. Journal of the American Geriatrics Society. In Revision.
5. Sharan K. Rai, Yang Hu, **Ding M**, Frank B. Hu, Molin Wang, Jorge E. Chavarro, Hyon K. Choi, Qi Sun. Long-term lignan intake and the risk of gout: results from two prospective cohort studies. In submission.
6. Beydoun HA, Beydoun MA, Weiss J, Brunner R, Mishra NK, **Ding M**, Wactawski-Wende J, Gradidge PJ, Liu S, Tsai J. Cardiovascular disease, bone fracture and all-cause mortality risks among postmenopausal women by arthritis and veteran status: A multistate analysis. In submission.

Published refereed papers/articles

7. Markwalter DW, Lowe J, **Ding M**, Lyman M, Lavin K. Emergency department discharges directly to hospice: Longitudinal assessment of a streamlined referral program. *Am J Emerg Med.* 2024 Dec; 86: 56-61. doi: 10.1016/j.ajem.2024.09.049. PMID: 39332213
8. Mauro Z, Padron C, **Ding M**, Patel M, Winslow JE, Grover J. EMS medical director compensation in North Carolina. *Am J Emerg Med.* 2024 Aug;82:194-196. doi: 10.1016/j.ajem.2024.06.021. Epub 2024 Jun 15. PMID: 38906744 DOI: 10.1016/j.ajem.2024.06.021
9. **Ding M**, Markon AO, Jones-Dominic OE, Purdue-Smithe AC, Rich-Edwards JW, Wolpert BJ, Chavarro JE. Intake of Energy Drinks Before and During Pregnancy and Adverse Pregnancy Outcomes. *JAMA Netw Open.* 2023 Nov 1;6(11): e2344023. doi: 10.1001/jamanetworkopen.2023.44023.PMID: 37983030
10. Markon AO\*, **Ding M\***, Chavarro JE, Wolpert BJ. Demographic and behavioural correlates of energy drink consumption. *Public Health Nutr.* 2023 Jul; 26(7): 1424-1435. doi: 10.1017/S1368980022001902. Epub 2022 Oct 10. PubMed PMID: 36214079; PubMed Central PMCID: PMC10258655. \*Co-first authors
11. Ma W, Murray E, Nguyen LH, Drew DA, **Ding M**, Stopsack KH, Rich-Edwards JW, Hart JE, Figueiredo JC, Lacey JV, Patel AV, Bhupathiraju SN, Chan AT, Martinez ME. Physical Activity, Sedentary Behavior, and Risk of Coronavirus Disease 2019. *Am J Med.* 2023 Jun;136(6):568-576.e3. doi: 10.1016/j.amjmed.2022.12.029. Epub 2023 Jan 16. PubMed PMID: 36657558; PubMed Central PMCID: PMC9842390.
12. Yue Y, Ma W, Accorsi EK, **Ding M**, Hu F, Willett WC, Chan AT, Sun Q, Rich-Edwards J, Smith-Warner SA, Bhupathiraju SN. Long-term diet and risk of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) infection and Coronavirus Disease 2019 (COVID-19) severity. *Am J Clin Nutr.* 2022 Dec 19;116(6):1672-1681. doi: 10.1093/ajcn/nqac219. PubMed PMID: 35945354; PubMed Central PMCID: PMC9384672.
13. Wang WC, **Ding M**, Strohmaier S, Schernhammer E, Sun Q, Chavarro JE, Tiemeier H. Maternal adherence to healthy lifestyle and risk of depressive symptoms in the offspring: mediation by offspring lifestyle. *Psychol Med.* 2022 Nov 15;:1-9. doi: 10.1017/S0033291722003257. [Epub ahead of print] PubMed PMID: 36377496.
14. Rich-Edwards JW, Rocheleau CM, **Ding M**, Hankins JA, Katuska LM, Kumph X, Steege AL, Boiano JM, Lawson CC. COVID-19 Vaccine Uptake and Factors Affecting Hesitancy Among US Nurses, March-June 2021. *Am J Public Health.* 2022 Nov;112(11):1620-1629. doi: 10.2105/AJPH.2022.307050. PubMed PMID: 36223573; PubMed Central PMCID: PMC9558176.
15. Wang YX, **Ding M**, Li Y, Wang L, Rich-Edwards JW, Florio AA, Manson JE, Chavarro JE. Birth weight and long-term risk of mortality among US men and women: Results from three prospective cohort studies. *Lancet Reg Health Am.* 2022 Nov;15. doi: 10.1016/j.lana.2022.100344. PubMed PMID: 36632048; PubMed Central PMCID: PMC9830740.
16. **Ding M**, Fitzmaurice GM, Arvizu M, Willett WC, Manson JE, Rexrode KM, Hu FB, Chavarro JE. Associations between patterns of modifiable risk factors in mid-life to late life and longevity: 36 year prospective cohort study. *BMJ Med.* 2022;1(1):e000098. doi: 10.1136/bmjmed-2021-000098. eCollection 2022. PubMed PMID: 36936601; PubMed Central PMCID: PMC9978682.
17. Bever AM, Hang D, He X, Joshi AD, **Ding M**, Wu K, Chan AT, Giovannucci EL, Song M. Genetic Obesity Variants and Risk of Conventional Adenomas and Serrated Polyps. *Dig Dis Sci.* 2022

- Aug;67(8):4078-4085. doi: 10.1007/s10620-021-07193-x. Epub 2021 Aug 17. PubMed PMID: 34403030; PubMed Central PMCID: PMC9255950.
18. Wang S, Quan L, **Ding M**, Kang JH, Koenen KC, Kubzansky LD, Branch-Elliman W, Chavarro JE, Roberts AL. Depression, worry, and loneliness are associated with subsequent risk of hospitalization for COVID-19: a prospective study. *Psychol Med*. 2022 May 19;:1-10. doi: 10.1017/S0033291722000691. [Epub ahead of print] PubMed PMID: 35586906; PubMed Central PMCID: PMC9924056.
  19. Ma W, Nguyen LH, Yue Y, **Ding M**, Drew DA, Wang K, Merino J, Rich-Edwards JW, Sun Q, Camargo CA, Giovannucci E, Willett W, Manson JE, Song M, Bhupathiraju SN, Chan AT. Associations between predicted vitamin D status, vitamin D intake, and risk of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection and coronavirus disease 2019 (COVID-19) severity. *Am J Clin Nutr*. 2022 Apr 1;115(4):1123-1133. doi: 10.1093/ajcn/nqab389. PubMed PMID: 34864844; PubMed Central PMCID: PMC8690242.
  20. Wang YX, Mínguez-Alarcón L, Gaskins AJ, Wang L, **Ding M**, Missmer SA, Rich-Edwards JW, Manson JE, Chavarro JE. Pregnancy loss and risk of cardiovascular disease: the Nurses' Health Study II. *Eur Heart J*. 2022 Jan 25;43(3):190-199. doi: 10.1093/eurheartj/ehab737. PubMed PMID: 34718507; PubMed Central PMCID: PMC8790762.
  21. Sandoval-Insauti H, Chiu YH, Wang YX, Hart JE, Bhupathiraju SN, Mínguez-Alarcón L, **Ding M**, Willett WC, Laden F, Chavarro JE. Intake of fruits and vegetables according to pesticide residue status in relation to all-cause and disease-specific mortality: Results from three prospective cohort studies. *Environ Int*. 2022 Jan 15;159:107024. doi: 10.1016/j.envint.2021.107024. Epub 2021 Dec 8. PubMed PMID: 34894487; PubMed Central PMCID: PMC8771456.
  22. Rich-Edwards JW, **Ding M**, Rocheleau CM, Boiano JM, Kang JH, Becene I, Nguyen LH, Chan AT, Hart JE, Chavarro JE, Lawson CC. American Frontline Healthcare Personnel's Access to and Use of Personal Protective Equipment Early in the COVID-19 Pandemic. *J Occup Environ Med*. 2021 Nov 1;63(11):913-920. doi: 10.1097/JOM.0000000000002308. PubMed PMID: 34238908; PubMed Central PMCID: PMC8562916. (NIOSH Alice Hamilton Award honorable mention)
  23. **Ding M**, Lawson C, Johnson C, Rich-Edwards J, Gaskins AJ, Boiano J, Henn S, Rocheleau C, Chavarro JE. Occupational exposure to high-level disinfectants and risk of miscarriage among nurses. *Occup Environ Med*. 2021 Oct;78(10):731-737. doi: 10.1136/oemed-2020-107297. Epub 2021 May 26. PubMed PMID: 34039757; PubMed Central PMCID: PMC8634624.
  24. Schmid D, Willett WC, Forman MR, **Ding M**, Michels KB. TV viewing during childhood and adult type 2 diabetes mellitus. *Sci Rep*. 2021 Mar 4;11(1):5157. doi: 10.1038/s41598-021-83746-4. PubMed PMID: 33664288; PubMed Central PMCID: PMC7933176.
  25. **Ding M**, Chavarro JE, Fitzmaurice GM. Development of a mixture model allowing for smoothing functions of longitudinal trajectories. *Stat Methods Med Res*. 2021 Feb;30(2):549-562. doi: 10.1177/0962280220966019. Epub 2020 Oct 27. PubMed PMID: 33106119; PubMed Central PMCID: PMC8009804.
  26. **Ding M**, Markon A, Wolpert B, Chavarro JE. Associations of body mass index and waist circumference with risk of Guillain-Barré syndrome in women and men: A prospective analysis of three cohort studies. *PLoS One*. 2020;15(12):e0239099. doi: 10.1371/journal.pone.0239099. eCollection 2020. PubMed PMID: 33259491; PubMed Central PMCID: PMC7707592.
  27. **Ding M**, Strohmaier S, Schernhammer E, Yuan C, Sun Q, Michels KB, Tamimi R, Chavarro JE. Grand-maternal lifestyle during pregnancy and body mass index in adolescence and young adulthood:

- an intergenerational cohort study. *Sci Rep.* 2020 Sep 2;10(1):14432. doi: 10.1038/s41598-020-71461-5. PubMed PMID: 32879408; PubMed Central PMCID: PMC7468235.
28. Hu Y, **Ding M**, Sampson L, Willett WC, Manson JE, Wang M, Rosner B, Hu FB, Sun Q. Intake of whole grain foods and risk of type 2 diabetes: results from three prospective cohort studies. *BMJ.* 2020 Jul 8;370:m2206. doi: 10.1136/bmj.m2206. PubMed PMID: 32641435; PubMed Central PMCID: PMC7341349.
29. **Ding M**, Ahmad S, Qi L, Hu Y, Bhupathiraju SN, Guasch-Ferré M, Jensen MK, Chavarro JE, Ridker PM, Willett WC, Chasman DI, Hu FB, Kraft P. Additive and Multiplicative Interactions Between Genetic Risk Score and Family History and Lifestyle in Relation to Risk of Type 2 Diabetes. *Am J Epidemiol.* 2020 May 5;189(5):445-460. doi: 10.1093/aje/kwz251. PubMed PMID: 31647510; PubMed Central PMCID: PMC7462250.
30. **Ding M**, Rexrode KM. A Review of Lipidomics of Cardiovascular Disease Highlights the Importance of Isolating Lipoproteins. *Metabolites.* 2020 Apr 23;10(4). doi: 10.3390/metabo10040163. Review. PubMed PMID: 32340170; PubMed Central PMCID: PMC7240942.
31. Ma L, Liu G, **Ding M**, Zong G, Hu FB, Willett WC, Rimm EB, Manson JE, Sun Q. Isoflavone Intake and the Risk of Coronary Heart Disease in US Men and Women: Results From 3 Prospective Cohort Studies. *Circulation.* 2020 Apr 7;141(14):1127-1137. doi: 10.1161/CIRCULATIONAHA.119.041306. Epub 2020 Mar 23. PubMed PMID: 32200662; PubMed Central PMCID: PMC7138725.
32. Strohmaier S, Bogl LH, Eliassen AH, Massa J, Field AE, Chavarro JE, **Ding M**, Tamimi RM, Schernhammer E. Maternal healthful dietary patterns during peripregnancy and long-term overweight risk in their offspring. *Eur J Epidemiol.* 2020 Mar;35(3):283-293. doi: 10.1007/s10654-020-00621-8. Epub 2020 Mar 17. PubMed PMID: 32185575; PubMed Central PMCID: PMC7154013.
33. Schmid D, Willett WC, **Ding M**, Michels KB. Maternal and Infant Anthropometric Characteristics and Breast Cancer Incidence in the Daughter. *Sci Rep.* 2020 Feb 13;10(1):2550. doi: 10.1038/s41598-020-59527-w. PubMed PMID: 32054969; PubMed Central PMCID: PMC7018761.
34. Li M, Rahman ML, Wu J, **Ding M**, Chavarro JE, Lin Y, Ley SH, Bao W, Grunnet LG, Hinkle SN, Thuesen ACB, Yeung E, Gore-Langton RE, Sherman S, Hjort L, Kampmann FB, Bjerregaard AA, Damm P, Tekola-Ayele F, Liu A, Mills JL, Vaag A, Olsen SF, Hu FB, Zhang C. Genetic factors and risk of type 2 diabetes among women with a history of gestational diabetes: findings from two independent populations. *BMJ Open Diabetes Res Care.* 2020 Jan;8(1). doi: 10.1136/bmjdr-2019-000850. PubMed PMID: 31958311; PubMed Central PMCID: PMC7039588.
35. **Ding M**, Li J, Qi L, Ellervik C, Zhang X, Manson JE, Stampfer M, Chavarro JE, Rexrode KM, Kraft P, Chasman D, Willett WC, Hu FB. Associations of dairy intake with risk of mortality in women and men: three prospective cohort studies. *BMJ.* 2019 Nov 27;367:l6204. doi: 10.1136/bmj.l6204. PubMed PMID: 31776125; PubMed Central PMCID: PMC6880246. ([NCI EGRP's 2019 Research Highlights](#))
36. **Ding M**, Zeleznik OA, Guasch-Ferre M, Hu J, Lasky-Su J, Lee IM, Jackson RD, Shadyab AH, LaMonte MJ, Clish C, Eliassen AH, Sacks F, Willett WC, Hu FB, Rexrode KM, Kraft P. Metabolome-Wide Association Study of the Relationship Between Habitual Physical Activity and Plasma Metabolite Levels. *Am J Epidemiol.* 2019 Nov 1;188(11):1932-1943. doi: 10.1093/aje/kwz171. PubMed PMID: 31364705; PubMed Central PMCID: PMC6825824. ([Best of AHA Specialty Conferences in 2019](#))

37. Drouin-Chartier JP, Li Y, Ardisson Korat AV, **Ding M**, Lamarche B, Manson JE, Rimm EB, Willett WC, Hu FB. Changes in dairy product consumption and risk of type 2 diabetes: results from 3 large prospective cohorts of US men and women. *Am J Clin Nutr*. 2019 Nov 1;110(5):1201-1212. doi: 10.1093/ajcn/nqz180. PubMed PMID: 31504094; PubMed Central PMCID: PMC6821541.
38. Merino J, Guasch-Ferré M, Ellervik C, Dashti HS, Sharp SJ, Wu P, Overvad K, Sarnowski C, Kuokkanen M, Lemaitre RN, Justice AE, Ericson U, Braun KVE, Mahendran Y, Frazier-Wood AC, Sun D, Chu AY, Tanaka T, Luan J, Hong J, Tjønneland A, **Ding M**, Lundqvist A, Mukamal K, Rohde R, Schulz CA, Franco OH, Grarup N, Chen YI, Bazzano L, Franks PW, Buring JE, Langenberg C, Liu CT, Hansen T, Jensen MK, Sääksjärvi K, Psaty BM, Young KL, Hindy G, Sandholt CH, Ridker PM, Ordovas JM, Meigs JB, Pedersen O, Kraft P, Perola M, North KE, Orho-Melander M, Voortman T, Toft U, Rotter JI, Qi L, Forouhi NG, Mozaffarian D, Sørensen TIA, Stampfer MJ, Männistö S, Selvin E, Imamura F, Salomaa V, Hu FB, Wareham NJ, Dupuis J, Smith CE, Kilpeläinen TO, Chasman DI, Florez JC. Quality of dietary fat and genetic risk of type 2 diabetes: individual participant data meta-analysis. *BMJ*. 2019 Jul 25;366:l4292. doi: 10.1136/bmj.l4292. PubMed PMID: 31345923; PubMed Central PMCID: PMC6652797.
39. Li M, Li S, Chavarro JE, Gaskins AJ, Ley SH, Hinkle SN, Wang X, **Ding M**, Bell G, Bjerregaard AA, Olsen SF, Mills JL, Hu FB, Zhang C. Prepregnancy Habitual Intakes of Total, Supplemental, and Food Folate and Risk of Gestational Diabetes Mellitus: A Prospective Cohort Study. *Diabetes Care*. 2019 Jun;42(6):1034-1041. doi: 10.2337/dc18-2198. Epub 2019 Apr 22. PubMed PMID: 31010874; PubMed Central PMCID: PMC6609948.
40. Dairy Intake and Body Composition and Cardiometabolic Traits among Adults: Mendelian Randomization Analysis of 182041 Individuals from 18 Studies. *Clin Chem*. 2019 Jun;65(6):751-760. doi: 10.1373/clinchem.2018.300335. PubMed PMID: 31138550; PubMed Central PMCID: PMC6818094.
41. **Ding M**, Ellervik C, Huang T, Jensen MK, Curhan GC, Pasquale LR, Kang JH, Wiggs JL, Hunter DJ, Willett WC, Rimm EB, Kraft P, Chasman DI, Qi L, Hu FB, Qi Q. Diet quality and genetic association with body mass index: results from 3 observational studies. *Am J Clin Nutr*. 2018 Dec 1;108(6):1291-1300. doi: 10.1093/ajcn/nqy203. PubMed PMID: 30351367; PubMed Central PMCID: PMC6290366.
42. **Ding M**, Chavarro J, Olsen S, Lin Y, Ley SH, Bao W, Rawal S, Grunnet LG, Thuesen ACB, Mills JL, Yeung E, Hinkle SN, Zhang W, Vaag A, Liu A, Hu FB, Zhang C. Genetic variants of gestational diabetes mellitus: a study of 112 SNPs among 8722 women in two independent populations. *Diabetologia*. 2018 Aug;61(8):1758-1768. doi: 10.1007/s00125-018-4637-8. Epub 2018 Jun 12. PubMed PMID: 29947923; PubMed Central PMCID: PMC6701842.
43. Hu Y, **Ding M**, Yuan C, Wu K, Smith-Warner SA, Hu FB, Chan AT, Meyerhardt JA, Ogino S, Fuchs CS, Giovannucci EL, Song M. Association Between Coffee Intake After Diagnosis of Colorectal Cancer and Reduced Mortality. *Gastroenterology*. 2018 Mar;154(4):916-926.e9. doi: 10.1053/j.gastro.2017.11.010. Epub 2017 Nov 20. PubMed PMID: 29158191; PubMed Central PMCID: PMC5847429.
44. Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. *Clin Chem*. 2018 Jan;64(1):183-191. doi: 10.1373/clinchem.2017.280701. Epub 2017 Nov 29. PubMed PMID: 29187356; PubMed Central PMCID: PMC5837824.
45. **Ding M**, Yuan C, Gaskins AJ, Field AE, Missmer SA, Michels KB, Hu F, Zhang C, Gillman MW, Chavarro J. Smoking during pregnancy in relation to grandchild birth weight and BMI trajectories.

- PLoS One. 2017;12(7):e0179368. doi: 10.1371/journal.pone.0179368. eCollection 2017. PubMed PMID: 28700699; PubMed Central PMCID: PMC5507479.
46. **Ding M\***, Huang T\*, Bergholdt HK, Nordestgaard BG, Ellervik C, Qi L. Dairy consumption, systolic blood pressure, and risk of hypertension: Mendelian randomization study. *BMJ*. 2017 Mar 16;356:j1000. doi: 10.1136/bmj.j1000. Review. PubMed PMID: 28302601; PubMed Central PMCID: PMC6168037. \*Co-first authors
  47. **Ding M**, Pan A, Manson JE, Willett WC, Malik V, Rosner B, Giovannucci E, Hu FB, Sun Q. Consumption of soy foods and isoflavones and risk of type 2 diabetes: a pooled analysis of three US cohorts. *Eur J Clin Nutr*. 2016 Dec;70(12):1381-1387. doi: 10.1038/ejcn.2016.117. Epub 2016 Jul 6. PubMed PMID: 27380886; PubMed Central PMCID: PMC5143190.
  48. Liu G, **Ding M**, Chiuve SE, Rimm EB, Franks PW, Meigs JB, Hu FB, Sun Q. Plasma Levels of Fatty Acid-Binding Protein 4, Retinol-Binding Protein 4, High-Molecular-Weight Adiponectin, and Cardiovascular Mortality Among Men With Type 2 Diabetes: A 22-Year Prospective Study. *Arterioscler Thromb Vasc Biol*. 2016 Nov;36(11):2259-2267. doi: 10.1161/ATVBAHA.116.308320. Epub 2016 Sep 8. PubMed PMID: 27609367; PubMed Central PMCID: PMC5083188.
  49. **Ding M**, Hu Y, Schwartz J, Koh WP, Yuan JM, Sesso HD, Ma J, Chavarro J, Hu FB, Pan A. Delineation of body mass index trajectory predicting lowest risk of mortality in U.S. men using generalized additive mixed model. *Ann Epidemiol*. 2016 Oct;26(10):698-703.e2. doi: 10.1016/j.annepidem.2016.08.006. Epub 2016 Aug 30. PubMed PMID: 27659587; PubMed Central PMCID: PMC8529909.
  50. **Ding M**, Satija A, Bhupathiraju SN, Hu Y, Sun Q, Han J, Lopez-Garcia E, Willett W, van Dam RM, Hu FB. Association of Coffee Consumption With Total and Cause-Specific Mortality in 3 Large Prospective Cohorts. *Circulation*. 2015 Dec 15;132(24):2305-15. doi: 10.1161/CIRCULATIONAHA.115.017341. Epub 2015 Nov 16. PubMed PMID: 26572796; PubMed Central PMCID: PMC4679527.
  51. Xu H, Dai Q, Xu Y, Gong Z, Dai G, **Ding M**, Duggan C, Hu Z, Hu FB. Time trends and risk factor associated with premature birth and infants deaths due to prematurity in Hubei Province, China from 2001 to 2012. *BMC Pregnancy Childbirth*. 2015 Dec 10;15:329. doi: 10.1186/s12884-015-0767-x. PubMed PMID: 26653182; PubMed Central PMCID: PMC4676169.
  52. **Ding M**, Franke AA, Rosner BA, Giovannucci E, van Dam RM, Tworoger SS, Hu FB, Sun Q. Urinary isoflavonoids and risk of type 2 diabetes: a prospective investigation in US women. *Br J Nutr*. 2015 Nov 28;114(10):1694-701. doi: 10.1017/S0007114515003359. Epub 2015 Sep 15. PubMed PMID: 26370252; PubMed Central PMCID: PMC4762594.
  53. Zhao Z, **Ding M**, Hu Z, Dai Q, Satija A, Zhou A, Xu Y, Zhang X, Hu FB, Xu H. Trajectories of length, weight, and bone mineral density among preterm infants during the first 12 months of corrected age in China. *BMC Pediatr*. 2015 Aug 5;15:91. doi: 10.1186/s12887-015-0396-6. PubMed PMID: 26242232; PubMed Central PMCID: PMC4526172.
  54. Farvid MS, **Ding M**, Pan A, Sun Q, Chiuve SE, Steffen LM, Willett WC, Hu FB. Dietary linoleic acid and risk of coronary heart disease: a systematic review and meta-analysis of prospective cohort studies. *Circulation*. 2014 Oct 28;130(18):1568-78. doi: 10.1161/CIRCULATIONAHA.114.010236. Epub 2014 Aug 26. Review. PubMed PMID: 25161045; PubMed Central PMCID: PMC4334131.
  55. **Ding M**, Bhupathiraju SN, Satija A, van Dam RM, Hu FB. Long-term coffee consumption and risk of cardiovascular disease: a systematic review and a dose-response meta-analysis of prospective cohort studies. *Circulation*. 2014 Feb 11;129(6):643-59. doi: 10.1161/CIRCULATIONAHA.113.005925.

Epub 2013 Nov 7. Review. PubMed PMID: 24201300; PubMed Central PMCID: PMC3945962. (Circulation Best Paper Award in Population Science in 2015)

- 56. Ding M**, Bhupathiraju SN, Chen M, van Dam RM, Hu FB. Caffeinated and decaffeinated coffee consumption and risk of type 2 diabetes: a systematic review and a dose-response meta-analysis. *Diabetes Care*. 2014 Feb;37(2):569-86. doi: 10.2337/dc13-1203. Review. PubMed PMID: 24459154; PubMed Central PMCID: PMC3898757.
- 57.** Xu H, Zhao Z, Wang H, **Ding M**, Zhou A, Wang X, Zhang P, Duggan C, Hu FB. Bone mineral density of the spine in 11,898 Chinese infants and young children: a cross-sectional study. *PLoS One*. 2013;8(12):e82098. doi: 10.1371/journal.pone.0082098. eCollection 2013. PubMed PMID: 24324752; PubMed Central PMCID: PMC3855755.
- 58. Ding M**, Li W, Zhang Y, Wang X, Zhao A, Zhao X, Wang P, Sheng QH. Amino acid composition of lactating mothers' milk and confinement diet in rural North China. *Asia Pac J Clin Nutr*. 2010;19(3):344-9. PubMed PMID: 20805078.
- 59.** Li W, **Ding M**, Zhang Y. The effect of equol on the growth of MCF-7 cells. *Food and Nutrition in China* 2010; 7: 64-66.
- 60. Ding M**, Xu C, Xu G. Regulation and Function of Adipose Triglyceride Lipase (ATGL) in Cellular Metabolism and Disease. *Chinese Journal of Biochemistry and Molecular Biology* 2009; 25(4): 309-315.
- 61. Ding M**, Tao J. A New kind of drug treating type 2 diabetes—Sitagliptin Phosphate. *China Pharmacy* 2008; 19(1): 58-60.

#### COMMENTARIES AND LETTERS

- 62. Ding M**, Manson JE. HDL-c and arterial calcification in midlife women: does an HDL paradox exist? *Menopause*. 2021 Jan 4;28(3):231-233. doi: 10.1097/GME.0000000000001734. PubMed PMID: 33399324.
- 63. Ding M**, Satija A, Bhupathiraju SN, Hu Y, Sun Q, Han J, Lopez-Garcia E, Willett W, van Dam RM, Hu FB. Response to Letter Regarding Article, "Association of Coffee Consumption With Total and Cause-Specific Mortality in 3 Large Prospective Cohorts". *Circulation*. 2016 May 17;133(20):e660. doi: 10.1161/CIRCULATIONAHA.116.022322. PubMed PMID: 27185029; PubMed Central PMCID: PMC4872861.
- 64. Farvid MS**, Ding M, Pan A, Sun Q, Chiuve SE, Steffen LM, Willett WC, Hu FB. Response to Letters Regarding Article, "Dietary Linoleic Acid and Risk of Coronary Heart Disease: A Systematic Review and Meta-Analysis of Prospective Cohort Studies". *Circulation*. 2015 Jul 21;132(3):e23-4. doi: 10.1161/CIRCULATIONAHA.115.015526. PubMed PMID: 26195494; PubMed Central PMCID: PMC4590780.

#### **INVITED SEMINARS AND CONFERENCE ORAL PRESENTATIONS**

##### INVITED SEMINARS

“Understanding Cardiometabolic Disease Integrating Lifestyle behaviors, -Omics, and Methodology Development” (virtual). 2022

School of Public Health, Huazhong University of Science & Technology. Hubei, China.



“Healthy Behaviors and Cardiovascular Disease (CVD)”. 2022  
Department of Emergency Medicine, UNC Chapel Hill. Chapel Hill, NC

“Diet, lifestyle, and cardiovascular disease (virtual)”. 2020  
Department of Epidemiology, Pennsylvania State University. Hershey, PA

“Understanding Cardiometabolic Disease Integrating Diet, Genetics, and Lipidomics”. 2019  
Department of Epidemiology, Geisel School of Medicine, Dartmouth. Hanover, NH

“Diet, lifestyle, and cardiovascular disease”. 2019  
Division of Women’s Health, Brigham and Women’s Hospital. Boston, MA.

“Understanding Cardiometabolic Disease Integrating Diet, Genetics, and Lipidomics”. 2019  
Division of Epidemiology, Vanderbilt University Medical Center. Nashville, TN

“Metabolome-wide Association Study with Long-term Physical Activity”. 2018  
Channing Division of Network Medicine, Brigham and Women’s Hospital. Boston, MA.

“An Introduction to Dose-Response and Network Meta-analyses”. 2017  
Longwood Translational Medicine China Initiative. Boston, MA.

“Diet, Genetics, and Cardiometabolic Outcomes”. 2016  
Diabetes Clinical Research Center, Massachusetts General Hospital. Boston, MA.

“Diet, Genetics, and Cardiometabolic Outcomes”. 2016  
Center for Genomic Medicine, Massachusetts General Hospital. Boston, MA.

“An Introduction to Dose-Response and Network Meta-analyses”. 2014  
Harvard Medical School Chinese Scholars and Scientists Association. Boston, MA.

“Consumption of soy foods and risk of type 2 diabetes”. 2012  
Department of Nutrition, Harvard T.H. Chan School of Public Health. Boston, MA.

#### CONFERENCE ORAL PRESENTATIONS

“Use of Multivitamin Supplements and Risk of Mortality Among U.S. Adults” (Moderated poster). 2024

American Heart Association EPI|Lifestyle Scientific Sessions. Chicago, Illinois.

“Lifestyle Trajectories from Midlife to Late-life, Longevity, and Healthy Aging”. 2023  
Interdisciplinary Nutrition Sciences Symposium. Chapel Hill, NC.

“Metabolome-Wide Association Study with Habitual Physical Activity”. 2019  
American Heart Association EPI|Lifestyle Scientific Sessions. Houston, Texas.

Genetic variants of gestational diabetes mellitus among 8722 women. 2018  
American Society for Nutrition. Boston, MA.

**TEACHING AND MENTORING ACTIVITIES**Guest Lecture:

Path767 lecture (*Multi-omics research in CVD Epidemiology*), ~ 5 students 2023–present  
 School of Medicine  
 University of North Carolina at Chapel Hill, Chapel Hill, NC

EPI 889 Lectures, ~7 students 2024  
*One lecture on multi-state modeling, and the other one on Mendelian randomization methods.*  
 Gillings School of Global Public Health  
 University of North Carolina at Chapel Hill, Chapel Hill, NC

Castillo Didactic Lecture (*Introduction to Biostatistics and Data Analysis*), ~ 15 students 2024  
 School of Medicine  
 University of North Carolina at Chapel Hill, Chapel Hill, NC

Pediatric Emergency Medicine Fellows lectures, ~5 students 2023  
*One lecture on statistical tests, and the other one on regression models.*  
 School of Medicine  
 University of North Carolina at Chapel Hill, Chapel Hill, NC

Teaching Assistant

EPI 528: Systematic Review and Meta-analysis 2016  
 Harvard T.H. Chan School of Public Health. Boston, MA.

EPI 204: Analysis of Case-Control, Cohort, and Other Epidemiologic Data 2015  
 Harvard T.H. Chan School of Public Health. Boston, MA.

EPI 236: Analytic Aspects of Clinical Epidemiology 2015  
 Harvard T.H. Chan School of Public Health. Boston, MA.

EPI 210: Study Design in Clinical Epidemiology 2015  
 Harvard T.H. Chan School of Public Health. Boston, MA.

Mentoring activities:

Carolina Medical Student Research Program (CMSRP) mentor 2024  
 Mentored Nora Hundertmark, a medical student at UNC, on a project to examine factors associated with sexual assault evidence collection kit (SAECK) usage in sexual assault survivors at UNC Hospitals.

Castillo Scholars program mentor 2023  
 Mentored Yuka Koyama, a medical student at UNC, on a project to examine associations of high-density lipoprotein (HDL) lipids with risk of myocardial infarction.

**GRANTS**Completed:

R21HG012365	Ding (PI)	09/23/2022-08/31/2024
NIH/NHGRI	\$450,040	4.8 calendar months

**A summary-data-based Mendelian randomization (MR) method with application to correlated lipidomic data**

This proposal aims to develop a multivariable linear mixed model for MR which is highly suited for high-dimensional correlated data and apply it to examine causal effects of lipids in HDL particles on risk of cardiometabolic disease.

Role: PI

R03 AG060247	Ding (PI)	10/01/2018-05/31/2020
NIH/NIA	\$175,486	9.0 calendar months

**Examining Trajectories of Lifestyle Factors Associated with Healthy Aging and Longevity Using a Novel Mixture Model.**

This proposal aims to develop a novel mixture model with smoothing function and apply it to examine associations of trajectories of lifestyles with healthy aging and longevity.

Role: PI

**PROFESSIONAL SERVICE**Service to the Department, School, and University

Reviewer. The Amgen Scholars Program. UNC School of Medicine.	2024
Faculty Judge. UNC School of Medicine's 56 <sup>th</sup> annual Student Research Day.	2023

Service to the Scientific Community

Member. Publications and Presentations (P&P) Committee. Women's Health Initiative (WHI).	2023–
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External reviewer. Faculty Appointment, Promotion and Tenure. School of Public Health, Huazhong University of Science & Technology. Hubei, China.	2023
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Editorial

Associate Editor, Nutrition Journal	2022–2024
Guest Editor, Metabolites.	2021
Organized special issue "Metabolomics in Obesity Related Diseases".	

Grant Reviews

Adhoc member, NIH CHSA study section.	06/2021
Adhoc member, NIH KEDD study section.	10/2024

Conference Abstract Reviews

Society for Epidemiologic Research conference	2024
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American Society for Nutrition conference

2019

### Journal Reviews

British Medical Journal (2015×2, 2016, 2024)  
 Heart (2022, 2023, 2024)  
 International Journal of Cancer (2023)  
 International Journal of Epidemiology (2018, 2023)  
 Medicine & Science in Sports & Exercise (2023)  
 Scientific reports (2023)  
 Nutrition Journal (2020, 2023×2)  
 BMC Medicine (2022)  
 Frontiers (2021, 2022)  
 American Journal of Epidemiology (2021)  
 Arteriosclerosis Thrombosis, and Vascular Biology (2021)  
 Journal of Nutrition (2016, 2017×2, 2021)  
 Metabolites (2021)  
 European Journal of Nutrition (2017, 2021)  
 American Journal of Cardiovascular Drugs (2020)  
 American Journal of Clinical Nutrition (2018, 2019×2, 2020, 2024)  
 Annals of Internal Medicine (2019×2, 2020)  
 British Journal of Nutrition (2018, 2020)  
 Circulation (2015, 2020)  
 Diabetes Care (2018, 2020×3)  
 Journal of the American Heart Association (2020)  
 BMC Public Health (2019)  
 BMJ Open (2019)  
 Diabetologia (2019)  
 Addiction (2018)  
 Nicotine & Tobacco Research (2018)  
 Hypertension Research (2017)  
 Journal of Internal Medicine (2017)  
 Advances in Endocrinology (2016)  
 European Journal of Epidemiology (2014, 2015, 2016)  
 PLoS Medicine (2015)  
 BMC Nutrition (2015)  
 PLoS One (2012, 2013)

### **Professional and scholarly memberships**

2023 – Member, UNC Nutrition Obesity Research Center  
 2015 – Member, American Society for Nutrition  
 2014 – Member, Society for Epidemiologic Research  
 2013 – Member, American Heart Association  
 2013 – Member, American Diabetes Association