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CURRENT POSITION

Senior Investigator (tenured)

Epidemiology Branch
Division of Intramural Population Health Research
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health
Bethesda, MD 20852
USA

Professor (adjunct)

Department of Population, Family and Reproductive Health, Johns Hopkins University,
Baltimore, MD. USA

EDUCATION

University	Field	Training/Degree	Year
Harvard University School of Public Health	Genetic & Nutritional Epidemiology	Postdoctoral Fellowship	2006
University of Washington School of Public Health	Epidemiology	Ph.D.	2004
University of Washington School of Public Health	Epidemiology	M.P.H.	1999
Beijing Medical University (currently Peking University, Health Science Center)	Preventive Medicine	M.D.	1994

PROFESSIONAL APPOINTMENTS

2014-present Senior Investigator (tenured)
Division of Intramural Population Health Research
Eunice Kennedy Shriver National Institute of Child Health and Human
Development, National Institutes of Health

2015-present Professor (adjunct)
Department of Population, Family and Reproductive Health
Johns Hopkins University

- 2007-2014 Investigator, Epidemiology Branch
Division of Intramural Population Health Research
Eunice Kennedy Shriver National Institute of Child Health and Human
Development, National Institutes of Health
- 2006-2007 Research Scientist, School of Public Health, Harvard University
- 2003-2006 Research Associate, School of Public Health, Harvard University
- 1994-1997 Faculty Member, Beijing Medical University (currently, Peking University Health
Science Center, Beijing, China)

HONORS & AWARDS

- 2016 National Institutes of Health Mentor Award
- 2015 American Epidemiology Society (AES) elected member
- 2010 Rising Star Award, Society for Pediatric and Perinatal Epidemiologic Research
- 2010 Kelly West Lectureship, Oklahoma Diabetes Center, University of Oklahoma
- 2004 Distinguished Achievement Award, Department of Epidemiology, University of
Washington

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Epidemiology Society (AES, elected 2015)

American Diabetes Association (2004-present)

Society for Epidemiologic Research (1999-present)

Society for Pediatric and Perinatal Epidemiologic Research (1999-present)

International Society for Developmental Origins of Health and Disease (2006-present)

PROFESSIONAL SERVICES

National Institutes of Health

- 2006 Expert Panelist, CDC Expert Panel for Gestational Diabetes Beyond Pregnancy

- 2008-present NICHD representative, National Institutes of Health Road Map Genotyping/Gene Expression Working Group Committee
- 2008-present Core Member, NICHD/National Institutes of Health Obesity Research Core
- 2010 Judge, *the Fellows Award for Research Excellence (FARE)*, National Institutes of Health
- 2011, 2012 Member, Tenure Track Investigator Search Committee, Epidemiology Branch, Division of Epidemiology, Statistics and Prevention Research, NICHD
- 2012-present Member, Tenure Track Investigator Committee, National Institutes of Health
- 2013 Chair, Staff Scientist Search? Committee, Epidemiology Branch, Division of Epidemiology, Statistics and Prevention Research, NICHD
- 2013-present NICHD representative, Consensus Measures for Phenotypes and Exposures Working Group Committee, National Institutes of Health
- 2014 Member, Tenure Track Investigator Search Committee, Division of Cancer Epidemiology and Genetics, National Cancer Institute
- 2015 Chair, Staff Scientist Search Committee, Division of Intramural Population Health Research, NICHD, National Institutes of Health
- 2016 Committee Member, Promotion and Tenure Committee, Division of Intramural Population Health Research, NICHD, National Institutes of Health
- 2016 Committee Member, Stadtman Epidemiology/Population Sciences Committee, National Institutes of Health
- 2016 Expert panelist, Office of Dietary Supplement, National Institutes of Health
- 2016 NIH Nutritional Research Committee

Other professional organizations

National

- 2008 Grant Reviewer, Michigan Center for Diabetes Research
- 2009 Grant Reviewer, Board of Regents Support Fund Research and Development Program, Louisiana Board of Regents
- 2011-present Steering Committee member for the Global Pregnancy CoLaboratory which aims to support efforts to harmonize data to answer pressing questions on pregnancy outcomes requiring collaborative efforts and mega databases worldwide

2013 Member/Judge, Abraham Lilienfeld Student Prize Paper Award Committee,
Society for Epidemiologic Research

International

2014 Grant reviewer, the Health Research Council of New Zealand

2014 Grant reviewer, the Research Grants Council of Hong Kong

2014 Grant reviewer, the Medical Research Council of UK

2014 Grant reviewer, Marsden Fund, the Royal Society of New Zealand

2015 Grant reviewer, the Medical Research Council of UK

2015 Grant reviewer, Diabetes UK

2015 Grant reviewer, Canadian Institutes of Health Research

2015 Session Chair, Cardiovascular/Diabetes, Society of Epidemiological Research
Annual Meeting, June, 2015

2015 WHO Advisory Committee-Developing a practical guide to implementation
research on NCD prevention and control

2016 Grant reviewer, UK Diabetes

2016 Grant reviewer, Canadian Institutes of Health Research

2016 Grant reviewer, the Medical Research Council of UK

Editorial Boards & Positions

2010-present Editorial Board, World Journal of Diabetes

2008-present Associate Editor, International Journal of Molecular Epidemiology and Genetics

2007-present Academic Editor, Public Library of Science (PLoS) ONE

Ad-hoc Reviewer

Epidemiology & Public Health:

American Journal of Epidemiology,

Epidemiology,

International Journal of Epidemiology,

Journal of Pediatrics and Perinatal Epidemiology

Clinical:

American Journal of Clinical Nutrition,

American Journal of Human Genetics,

Annals of Internal Medicine,

Journal of American Association (JAMA),

JAMA Internal Medicine,

Canadian Medical Association Journal,

Circulation,

Diabetes,

Diabetes Care,

Diabetes Research and Clinical Practice,

Diabetic Medicine, Endocrinology,

European Journal of Clinical Nutrition,

European Journal of Clinical Investigation,

Hypertension,

Metabolism,

Obesity, Obesity Research,

PLoS Genetics,

PLoS Medicine,

PLoS ONE,

New England Journal of Medicine

TEACHING & MENTORING

Teaching

- 1995-1997 School of Medicine and School of Dentistry, Beijing Medical University
- 2010-2012 Summer Institute in Reproductive and Perinatal Epidemiology. Jointly sponsored by the National Institute of Child Health & Human Development and the Canadian Institute for Health Research (Co-Director curriculum)

Mentoring

NIH Intramural Research Training Award Postdoctoral Fellows (IRTAs)

- 2008-2009 Liwei Chen, MD, PhD (Johns Hopkins Bloomberg School of Public Health), (Positions: Tenure-Track Assistant Professor of Epidemiology, Louisiana State University, 2009-2012; Currently, Associate Professor in Public Health Studies, Clemson University)
- 2008-2011 Edwina Yeung, PhD (Johns Hopkins Bloomberg School of Public Health) (Currently, Tenure-Track Investigator, Epidemiology Branch, NICHD/NIH)
- 2009-2011 Katherine Bowers, PhD (Johns Hopkins Bloomberg School of Public Health) (Currently, Tenure-Track Assistant Professor of Epidemiology, Cincinnati Children's Hospital Medical Center)
- 2011-present Wei Bao, MD, PhD (Tongji Medical College, Huazhong University of Science and Technology, China) (Currently, Tenure-Track Assistant Professor of Epidemiology, University of Iowa)
- 2014-2015 Shanshan Li, MD, ScD (Department of Epidemiology, Harvard University) (Currently, Assistant Professor, Boston University)
- 2014-2016 Yeyi Zhu PhD (The University of Texas at Austin) (Currently, Staff Scientist, Kaiser Permanente, California)
- 2015 Shristi Rawal (University of Connecticut) (July, 20 2015 start)

NIH Summer Students & Special Volunteers

- 2008 Chunyan He, Doctoral Student, Departments of Epidemiology and Genetics and Complex Diseases, Harvard School of Public Health
- 2009 Deirdre Banel (Tobias), Doctoral Student of Epidemiology and Nutrition, Harvard School of Public Health

- 2010 Eric Shiroma, Doctoral Student of Epidemiology, Harvard School of Public Health.
- 2011 Jennifer Brite, MPH student of Epidemiology, Columbia University
- 2012 Kelly Martin, MPH student of Epidemiology, George Mason University
- 2013 Aileen Baeker, Doctoral Student of Epidemiology, University of California, Los Angeles
- 2016 Yuan Lin, Doctoral Student of Epidemiology, Nanjing Medical Univeristy

Dissertation Committee member of non-NIH IRTA fellow

Deirdre Tobias Sc.D. (2010-2012), Departments of Nutrition and Epidemiology, Harvard School of Public Health

Awards Received by Mentored Trainees (during the period of training):

Fellows Award for Research Excellence (FARE), National Institutes of Health, 2011. Bowers KA. Postnatal weight gain and high blood pressure among Chinese children

Best Plenary Presentation Award: Society for Pediatric and Perinatal Epidemiologic Research, 2011 Tobias D. Pre-pregnancy adherence to dietary patterns and decreased risk of gestational diabetes mellitus

Poster Award: Society for Pediatric and Perinatal Epidemiologic Research, 2011. Bowers KA. Prospective study of pre-pregnancy dietary fat intake and risk for gestational diabetes

Trudy Bush Fellowship for Cardiovascular Disease Research in Women's Health, American Heart Association, 2010. Tobias D. A meta-analysis of physical activity levels before pregnancy or in early pregnancy and risk of gestational diabetes mellitus.

Fellows Award for Research Excellence (FARE), National Institutes of Health, 2015. Yeyi Zhu. Maternal ambient air pollution exposure preconception and during early gestation and offspring congenital orofacial defects.

Fellows Award for Research Excellence (FARE), National Institutes of Health, 2015. Shanshan Li. Hyperglycemia in utero and risk of obesity during childhood, adolescences and adulthood: does sex matter?

Young Investigator Award, American Heart Association, 2016. Yeyi Zhu Trans-generational impact of diet in pregnancy: maternal dietary intake of grains during pregnancy and offspring growth and risk of obesity from birth through age of 7 years

Russell Kirby Travel Scholarship, Epidemiology Congress of the Americas, 2016, Yeyi Zhu

Early Career Grant Challenge Award. Finalist. The Obesity Society, 2016, Shristi Rawal

Fellows Award for Research Excellence (FARE), National Institutes of Health, 2017. Yeyi Zhu
Trans-generational impact of maternal artificial sweetened beverage consumption during pregnancy and offspring growth and risk of obesity from birth through age of 7 years

Fellows Award for Research Excellence (FARE), National Institutes of Health, 2017. Shristi Rawal. Iron: Friend or Foe for Pregnant Women? A Prospective Study of Body Iron Status

RESEARCH SUPPORT- by National Institutes of Health, USA

A Study of Long-term Trans-generational Impacts of Obesity and Diabetes on the Offspring, Determinants and Underlying Mechanisms (2016-2021)

(Role: Principal Investigator, Co-PIs Yeung & Mumford) (\$11,626,698)

A study to investigate the long-term trans-generational impacts of obesity and diabetes on the metabolic, vascular and reproductive health in the offspring, their determinants and the underlying biological mechanisms (e.g. the role of metabolomics and epigenetic changes).

Collaborative Perinatal Project mortality linkage study (2013-2017)

(Role: Principal Investigator) (\$834,673)

The overarching study aim is investigate the long-term health implications of pregnancy conditions by linking maternal pregnancy information from the Collaborative Perinatal Project, a multi-site U.S. prospective cohort study of 48,197 women, with the US National Death Index

Diabetes & Women's Health Study- a study of long-term health implications of glucose intolerance in pregnancy (2010-2016)

(Role: Principal Investigator) (\$8,685,403)

An international study based on a novel hybrid design to investigate the biological, genetic, and lifestyle determinants and gene-environment interactions for the progression from gestational diabetes to type 2 diabetes and comorbidities among women and their children, and the underlying molecular mechanisms. Study website: www.dwhstudy.org

Novel biochemical markers & gestational diabetes in a multiracial pregnancy cohort (2009-2016)

(Role: Principal Investigator) (\$4,616,527)

A prospective study, nested in the NICHD Fetal Growth Study, of a comprehensive panel of biochemical markers putatively implicated in glucose homeostasis, fetal growth, or both. Targeted and non-targeted metabolomics are analyzed for the discovery of new pathways and/or biochemical markers related to glucose intolerance and subsequent adverse fetal outcomes.

Pregnancy exposome study: chemical and biomedical analyses (2012-2017)

(Role: Co-investigator; PI: Dr. G Buck Louis) (\$545,592)

This proof-of-concept study has two overarching research aims: 1) to characterize and quantify the “normal” pregnancy exposome using an existing pregnancy cohort, and 2) to determine its utility and feasibility for design and implementation on a larger scale.

NICHD Fetal Growth Studies: singletons and twins (2008-2016)

(Role: Co-Investigator; PI: Dr. G Buck Louis) (\$35,828,561)

A multicenter prospective observational study (1) to establish a U.S. national standard for normal fetal growth (velocity) and size for gestational age; (2) to create an individualized standard for optimal fetal growth; and (3) to improve accuracy of fetal weight estimation.

Copeptin, lipids and retinol binding protein study in CPEP (2012-2013)

(Role: Co-Investigator; PI: Dr. E Yeung) (\$367,675)

To understand the pathogenesis of preeclampsia and to explore the role of potential shared mechanisms with GDM using biospecimens collected from the Calcium for Preeclampsia Prevention (CPEP) study

Confirmation of genetic signals from genome wide association study of adiposity (2008-2010)

(Role: Principal Investigator) (\$98,798.000)

To identify genome wide genetic signals that may predispose to abdominal adiposity.

The Effects of Aspirin in Gestation and Reproduction (EAGeR) Study (2008-2013)

(Role: Co-Investigator; PI: Dr. E Schisterman) (\$11,800,000.000)

The study assesses the efficacy and safety of low dose aspirin and folic acid on the prevention of early pregnancy failure and later pregnancy events compared to folic acid alone.

R01HD041702-12 Preterm Birth, Maternal and Cord Blood Metabolome, and Child Metabolic Risk (2016-2011)

(Role: Co-investigator)

To investigate the impact of long-term health impact of preterm birth on cardio-metabolic risk profiles of children

NIDDK K01: Genetic factors, gene-environment interaction, and the risk of gestational diabetes (2007-2011)

(Role: Principal Investigator)

To investigate genome wide genetic factors and their interaction with diet and lifestyle factors in association with risk of gestational diabetes among 3000 gestational diabetes cases and 3000 controls (Selected for funding, terminated due to the change of appointment.)

Longitudinal study of dietary patterns in pregnancy (2008-2014)

(Role: Co-investigator; PI: Dr. J Grewal) (\$300,000)

To investigate dietary pattern changes in pregnancy and their associations with fetal growth and gravid complications. This project is supported by Office of Dietary Supplements, National Institutes of Health.

Dietary iron supplement and iron metabolism biomarkers in pregnancy and the risk of gestational diabetes (2012-2013)

(Role: Mentor, supervised proposal development and the overall progress and integrity of the study; Student PI: Drs. Bowers & Bao) (\$100,000)

This project is supported by Office of Dietary Supplements, National Institutes of Health.

Longitudinal measurements of dietary caffeine intake and biochemical markers in women participating in the BioCycle Study. (2011-2013)

(Role: Co-mentor; Student PI: Dr. Mumford) (\$98,950)

This project is supported by Office of Dietary Supplements, National Institutes of Health

INVITED TALKS & SEMINARS (selected)

1. **Zhang C.** Plasma carotenoids, retinol and tocopherols in preeclamptic and normotensive pregnant Women *Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research*, Seattle, WA, USA, June 2000. Student Prize Paper Award honored presentation
2. **Zhang C.** The role of vitamin C in the development of gestational diabetes mellitus Department of Epidemiology, University of Michigan, Ann Arbor, MI, USA, June 2003. Invited seminar
3. **Zhang C.** Vitamin C and gestational diabetes mellitus Department of Epidemiology and Biostatistics, University of South Carolina, SC, USA, June 2003. Invited seminar
4. **Zhang C.** Dietary and plasma vitamin C and gestational diabetes mellitus Department of Nutrition, Harvard School of Public health, Boston, MA, USA, July 2003. Invited seminar

5. **Zhang C.** Physical activity in relation to the risk for gestational diabetes mellitus Department of Epidemiology, Harvard School of Public Health, Boston, MA, USA, January 2005. Invited seminar
6. **Zhang C.** Genetic and lifestyle factors in relation to the risk for gestational diabetes mellitus Division of Epidemiology, Statistics, and Prevention Research, NICHD, NIH, Rockville, MD, USA, December 2006. Invited talk
7. **Zhang C.** Epidemiology/risk of developing type 2 diabetes for women with a history of gestational diabetes mellitus. CDC Conference on Gestational Diabetes beyond Pregnancy, Atlanta, GA, USA, April 2007. Invited talk
8. **Zhang C.** Genetic, diet and lifestyle factors and the risk for gestational diabetes mellitus. Harvard School of Public Health, Boston, MA, USA, April 2007. Invited seminar
9. **Zhang C.** Genetic and modifiable risk factors for gestational diabetes-an update. John Hopkins Bloomberg School of Public Health, Baltimore, MD, USA, November 2008. Invited seminar
10. **Zhang C.** Etiology and prevention of gestational diabetes. *5th International Symposium on Diabetes in Pregnancy*. Sorrento, Italy, March 2009. Invited plenary talk
11. **Zhang C.** Novel risk factors of gestational diabetes- from an epidemiological perspective. Clinical grand round, Oklahoma Diabetes Center, Tulsa, OK, USA, April 2010. Invited seminar
12. **Zhang C.** Diabetes during and beyond pregnancy- long-term health implications of diabetes during pregnancy. *Kelly West Annual Lecture* University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA, April 2010. Annual lectureship presentation
13. **Zhang C.** Impact of diet and lifestyle factors on the risk for gestational diabetes: Review focusing on epidemiologic evidence *International Conference of Developmental Origins of Health and Disease*, Munich, Germany, May 2010. Invited plenary talk
14. **Zhang C.** Stages of the lifecycle and risk for onset and progression of diabetes and its complications. *The 70th American Diabetes Association Annual Scientific Sessions*, Orlando, FL, USA, June 2010. Invited talk
15. **Zhang C.** Diabetes during and beyond pregnancy- an epidemiological perspective. Division of Nutritional Sciences, Cornell University, Ithaca, NY, USA, April 2011. Invited seminar
16. **Zhang C.** Diabetes during and beyond pregnancy- a life course approach. The 4th Summit of Perinatal Medicine of China, Guangzhou, China, April 2012. Invited plenary talk
17. **Zhang C.** Novel risk factors for gestational diabetes. *China National Gestational Diabetes Symposium*, Guangzhou, China, March 2012. Invited plenary talk

18. **Zhang C.** Gestational diabetes: etiology and prevention. *European Early Nutrition and Fetal Programming Consortium Symposium*, Copenhagen, Denmark March 2013. Invited keynote speaker
19. **Zhang C.** Diabetes & Women's Health Study-Determinants of maternal progression from gestational diabetes to type 2 diabetes and adverse cardio-metabolic outcomes. 7th *International Symposium on Diabetes in Pregnancy*. Florence, Italy, March 2013. Invited plenary talk
20. **Zhang C.** Diabetes during and beyond pregnancy- a life course approach. Department of Family Medicine and Population Health, Virginia Commonwealth University, Richmond, VA, USA, October 2013. Invited seminar
21. **Zhang C.** Diabetes during and beyond pregnancy. Department of Population, Family and Reproductive Health, John Hopkins Bloomberg School of Public Health, Baltimore, MD, USA, November 2013. Invited seminar
22. **Zhang C.** The role of micronutrients on pregnancy outcomes. 9th *Asia Pacific Congress in Maternal Fetal Medicine* Shanghai, China, November 2013. Invited plenary talk
23. **Zhang C.** Diabetics & women's health study-determinants of maternal progression from GDM to T2DM and adverse cardio-metabolic outcomes among offspring 9th *Asia Pacific Congress in Maternal Fetal Medicine* Shanghai, China, November 2013. Invited plenary talk
24. **Zhang C.** Genetic factors of gestational diabetes relevant to type 2 diabetes and comorbidities. *Cardiovascular Genomics Symposia, National Institutes of Health*, Bethesda, MD, USA, November 2013. Invited speaker
25. **Zhang C.** Speaker for the 'Now' Session of the "Then and Now- Cardiovascular Research" Session, "Building on our History - Forging our Legacy", *Society for Epidemiologic Research 46th Annual Meeting*, Seattle, WA, USA, June, 2014. Invited expert panel speaker
26. **Zhang C.** Determinants and health consequence of diabetes: a life course perspective. *European Early Nutrition and Fetal Programming Consortium Symposium*, Copenhagen, Denmark, November 2014. Invited speaker
27. **Zhang C.** Pre-pregnancy diet and lifestyle factors and gestational diabetes and beyond. Danish National Center for Fetal Programming, Serum Staten Institut, Copenhagen, Denmark, November 2014. Invited seminar
28. **Zhang C.** Diet and pregnancy outcomes- examples based on dietary factors and the risk of gestational diabetes, 8th *International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome & Pregnancy*, Berlin, Germany, April, 2015. Invited speaker

29. **Zhang C.** Risk factors for gestational diabetes: are we ready for prevention? the 51st European Association of Studies of Diabetes Annual Meeting, Stockholm, Sweden, September, 2015 Invited plenary speaker
30. **Zhang C.** Determinants and health consequences of diabetes in pregnancy, a life course perspective Yong Loo Lin School of Medicine, National University of Singapore, November, 2015 Invited Seminar
31. **Zhang C.** Determinants and health consequences of diabetes in pregnancy, a life course approach, Department of Nutrition, Harvard University, March, 2016 Invited Seminar
32. **Zhang C.** Determinants and health consequences of diabetes in pregnancy, a life course approach Tulane June 2016 Invited seminar
33. **Zhang C.** *Iron and gestational Diabetes.* NIH Office of Dietary Supplements Symposium on Iron Screening and Supplementation in Iron-replete Pregnant Women and Young Children. September, 2016, Bethesda, National Institutes of Health. Invited panel speaker and panel discussant

SCIENTIFIC PRESENTATIONS (selected)

Note: The presenter was under the mentorship of Dr. Zhang are indicated by **

1. **Zhang C**, Mandu J, Davis RL, Critchlow CW. A population based study of relationship between pregnancy and risk of autoimmune disease. 5th Annual Joint Conference on Health, Spokane, WA, USA, August, 1998.
2. Sanchez S, **Zhang C**, Williams MA, Ware-Jauregui S, Laraburre G, Bazul V, Farrand A. (First Prize in poster session). Tumor necrosis factor- α soluble receptor p55 (sTNFp55) and risk of preeclampsia in Peruvian women. Society for Epidemiologic Research the 32nd Annual Meeting, Baltimore, MD, USA, 1999.
3. Ware-Jauregui S, Sanchez S, **Zhang C**, Larraburre G, King IB, Williams MA. Plasma lipid concentrations in preeclamptic and normotensive Peruvian women. Society for Epidemiologic Research the 32nd Annual meeting, Baltimore, MD, USA, 1999.
4. **Zhang C**, Williams MA, Sanchez SE, King IB, Ware-Jauregui S, Laraburre G, Bazul V, Leisenring WM. (Student Prize Paper Award Honored Presentation) Plasma carotenoids, retinol and tocopherols in preeclamptic and normotensive pregnant women. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Seattle, WA, USA, 2000.
5. **Zhang C**, Williams MA, Sanchez S, King IB, Ware-Jauregui S, Laraburre G, Bazul V, Leisenring WM. Plasma carotenoids, retinol and tocopherols in preeclamptic and

normotensive pregnant women. International Society for the Study of Hypertension in Pregnancy, Paris, France, 2000.

6. Sanchez SE, **Zhang C**, Malinow MR, Ware-Jauregui S, Laraburre G, Williams MA. Plasma folate, vitamin B12 and homocyst(e)ine concentrations in preeclamptic and normotensive Peruvian women. Society for Epidemiologic Research the 33th Annual meeting, Seattle, WA, USA, 2000.
7. **Zhang C**, Luthy DA, King IB, Walsh SW, Sorensen TK, Kestin M, Williams MA. Maternal first trimester plasma ascorbic acid (vitamin C) concentrations in relation to risk of preeclampsia. Society for Maternal and Fetal Medicine Annual Meeting, Reno, NV, USA, 2001.
8. **Zhang C**, Williams MA, King IB, Dashow EE, Sorensen TK, Frederick IO, Thompson ML, Luthy DA. Vitamin C and the risk of preeclampsia-results from dietary questionnaire and plasma assay. Society for Epidemiologic Research 34th Annual Meeting, Toronto, Canada, 2001.
9. **Zhang C**, Luthy DA, King IB, Walsh SW, Sorensen TK, Kestin M, Williams MA. First trimester maternal serum uric acid, lipids, lipoproteins and obesity in relation to risk of preeclampsia. Annual Meeting of Society for Maternal and Fetal Medicine, Reno, NV, USA, 2001.
10. Williams MA, Sorensen TK, King IB, **Zhang C**, Luthy DA. First Trimester maternal serum uric acid, lipids, lipoproteins and obesity in relation to the risk of preeclampsia. Society for Maternal and Fetal Medicine the 22nd Annual Meeting, Reno, NV, USA, 2001.
11. Luthy DA, Williams MA, **Zhang C**, Walsh SW, Sorensen TK. Elevated first trimester serum high sensitivity C-reactive protein and subsequent risk of preeclampsia. Society for Maternal and Fetal Medicine the 22nd Annual Meeting, Reno, NV, USA, 2001.
12. Sorensen TK, Malinow MR, **Zhang C**, King I, Williams MA. A prospective study of maternal dietary and plasma folate, vitamin B12 and homocyst(e)ine status in relation to preeclampsia risk. Annual Meeting of Society for Maternal and Fetal Medicine, Reno, NV, USA, 2001.
13. Sanchez SE, **Zhang C**, Williams MA. Red blood cell selenium, zinc and lead levels in relation to preeclampsia risk among Peruvian women. Annual Meeting of Society for Epidemiologic Research Congress of Epidemiology, Toronto, Canada, 2001.
14. **Zhang C**, Austin MA, Edwards KL, Farin FM, Li N, Hsu L, Srinouanprachanh S, Williams MA. (Spotlight presentation) Trp64Arg polymorphism of the Beta₃-Adrenergic Receptor Gene in Relation to Obesity and Preeclampsia Risk. Annual Meeting of Society for Epidemiologic Research, Palm Desert, CA, USA, 2002.

15. **Zhang C**, Williams MA, Frederick IO, King IB. Vitamin C and risk of gestational diabetes mellitus. Annual Meeting of Society for Epidemiologic Research, Palm Desert, CA, USA, 2002.
16. Sanchez SE, **Zhang C**, Williams MA. The influence of maternal triglyceride levels on low birthweight in preeclamptic and normotensive Peruvian women. Annual Meeting of Society for Epidemiologic Research, Palm Desert, CA, USA, 2002.
17. Frederick IO, Williams MA, Dashow EE, Kestin M, **Zhang C**, Leisring WM and Luthy DA. Dietary fiber, potassium, magnesium, and calcium in relation to preeclampsia risk. Society for Epidemiologic Research the 35th Annual Meeting, Palm Desert, CA, USA, 2002
18. Frederick IO, Williams MA, Dashow E, Sorensen TK, **Zhang C**, and Luthy DA. Dietary fiber in relation to the risk of preeclampsia. Society for Maternal and Fetal Medicine the 23rd Annual Meeting, New Orleans, LA, USA, 2002
19. **Zhang C**, Austin MA, Edwards KL, Farin FM, Li N, Hsu L, Srinouanprachanh SL, Williams MA. (Spotlight presentation) Variants of the lipoprotein lipase gene and preeclampsia risk. Annual Meeting of Society for Epidemiologic Research, Atlanta, GA, USA, 2003.
20. **Zhang C**, Austin MA, Edwards KL, Li N, Hsu L, Frederick IO, Williams MA. (Spotlight presentation) Polymorphisms of the paraoxonase 1 gene and preeclampsia risk. Annual Meeting of Society for Epidemiologic Research, Salt Lake City, NV, USA, 2004.
21. **Zhang C**, Lopez-Ridaura R, Rimm EB, Rifai N, Hunter DJ, Hu FB. Interactions between the -514 C-T variant of the hepatic lipase gene and lifestyle factors in relation to high density-lipoprotein concentrations among US diabetic Men. Annual Meeting of Society for Epidemiologic Research, Salt Lake City, NV, USA, 2004.
22. **Zhang C**, Lopez-Ridaura R, Hunter DJ, Rifai Ni, Hu FB. Genotypes and haplotypes of the endothelial nitric oxide synthase gene and the risk of coronary heart disease among US diabetic men. American Heart Association, Washington, D.C., USA, 2005.
23. **Zhang C**, Lopez-Ridaura R, Rimm EB, Li T, Hunter DJ, Hu FB. Genetic variation at the hepatic lipase gene and risk of coronary heart disease among US diabetic men: potential interaction with obesity. American Heart Association, Washington, D.C., USA, March, 2005.
24. Lopez-Ridaura R, **Zhang C**, Rimm EB, Hunter DJ, Hu FB. Common genetic variants in the ApoA1/C3/A4/A5 gene cluster are associated with risk of coronary heart disease in type 2 diabetes. American Heart Association, Washington, D.C., USA, March, 2005.
25. Li T, **Zhang C**, Rimm EB, Hunter DJ, Hu FB. Interactions between the CETP TAQ1 variants and lifestyle factors in relation to high density-lipoprotein levels and risk of coronary heart disease among US diabetic men. American Heart Association, Washington, D.C., USA, March, 2005.

26. Qi L, Li T, Rimm EB, **Zhang C**, Rifai N, Hunter DJ, Doria A, Hu FB. Adiponectin genotypes in relation to plasma adiponectin concentration and risk of cardiovascular disease in diabetic men. American Heart Association, Washington, D.C., USA, March, 2005.
27. **Zhang C**, Solomon CG, Manson JE, Hu FB. A prospective study of pre-pregnancy physical activity in relation to the risk for gestational diabetes mellitus. Annual Meeting of American Diabetes Association, San Diego, CA, USA, June, 2005.
28. **Zhang C**, van Dam R, Qi L, Hunter J D, Rifai N, Hu FB. Interactions between variants of the endothelial nitric oxide synthase gene and dietary intakes of vitamin C, fruit and vegetable in association with plasma markers of endothelial function and inflammation among US diabetic men. Annual Meeting of American Society of Human Genetics, Salt Lake City, UT, USA, October, 2005.
29. **Zhang C**, Schulze MB, Solomon CG, Hu FB. A prospective Study of dietary patterns and meat intake and the risk for gestational diabetes mellitus: the Nurses' Health Study II. Annual meeting of American Diabetes Association, Washington, D.C., USA, June, 2006.
30. **Zhang C**, Liu S, Solomon CG, Hu FB. A prospective study of dietary fiber intake and glycemic load in relation to the risk for gestational diabetes mellitus. Annual meeting of American Diabetes Association, Washington, D.C., USA, June, 2006.
31. **Zhang C**, Solomon CG, Williams MA, Hu FB. (Spotlight presentation) Manifestations of vascular and metabolic disorders in pregnancy and the risk of type 2 diabetes mellitus following pregnancy. Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA, USA, June, 2006.
32. **Zhang C**, Schulze MB, Solomon CG, Hu FB. A prospective Study of dietary patterns and meat intake and the risk for gestational diabetes mellitus: the Nurses' Health Study II. Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research, Seattle, WA, USA, June, 2006.
33. **Zhang C**, Qi L, Hunter DJ, Meigs JB, Manson JE, van Dam RM, Hu FB. Variant of transcription factor 7- like 2 gene and the risk of type 2 diabetes mellitus in large cohorts of U.S. women and men. Annual Meeting of American Society of Human Genetics, New Orleans, LA, USA, Oct, 2006.
34. **Zhang C**, Williams MA, Hu FB. Primary prevention of gestational diabetes by healthy lifestyle. 2007 Annual Meeting of Society for Epidemiologic Research, Boston, MA, USA, 2007.
35. Chen L**, Hu FB, Yeung E, Willett W, **Zhang C**. A Prospective study of pre-gravid consumption of sugar-sweetened beverages and the risk of gestational diabetes mellitus. Annual Meeting of Society for Epidemiologic Research, Chicago, IL, USA, 2008.

36. Yeung E**, Hu F, Chen L, Louis G, Schisterman E, Solomon C, Willett W, **Zhang C**. Life Course Weight Characteristics and Risk of Gestational Diabetes. American Diabetes Association 69th Scientific Sessions, New Orleans, LA, USA, June, 2009.
37. Yeung E**, **Zhang C**, Buck Louis G, Hu FB Childhood body size and life course weight characteristics in association with the risk of incident type 2 diabetes - findings from a prospective cohort of 109,013 women. Obesity Society 27th Annual meeting, Washington, D.C., USA, October, 2009
38. Bowers K**, Yeung E, Williams MA, Qi L, Tobias DK, Hu FB, **Zhang C**. A prospective study of pre-pregnancy dietary iron intake and risk for gestational diabetes. Society for Pediatric & Perinatal Epidemiology 22nd Annual Meeting, Anaheim, CA, USA, June, 2009.
39. Yeung E**, **Zhang C**, Ye A, Chen L, Mumford S, Perkins N, Wactawski-Wende J, Schisterman E. Associations of sex hormones and sex hormone-binding globulin levels with insulin sensitivity in young women: BioCycle Study. Society for Pediatric & Perinatal Epidemiology 22nd Annual Meeting, Anaheim, CA, USA, June, 2009.
40. Yeung E**, **Zhang C**, Chen L, Ye A, Wactawski-Wende J, Schisterman E. Racial differences in the relationship between sex hormone binding globulin and body composition in young premenopausal women: the BioCycle Study. Obesity Society 27th Annual meeting, Washington, D.C., USA, October, 2009.
41. Gaskins AJ, Mumford SL, Rovner A, **Zhang C**, Perkins NJ, Hovey K, Ye A, Wctawski-Wende J, Schisterman EF. The protective effect of whole grains on high sensitivity C-reactive protein concentrations in healthy premenopausal women: The BioCycle Study. Society for Pediatric & Perinatal Epidemiologic Research (Annual Meeting), Seattle, WA, USA, June, 2010.
42. Schliep K, Mumford SL, Gaskins AJ, Gollenberg A, Pollack AZ, **Zhang C**, Albert P, Wactawski-Wende J, Schisterman EF. Effect of caffeine and associated beverages on reproductive hormones and ovulatory function in the BioCycle Study. Society for Pediatric & Perinatal Epidemiologic Research (Annual Meeting) Seattle, WA, USA, June, 2010.
43. Mumford SL, Schisterman EF, Siega-Riz AM, Browne RW, Gaskins AJ, Trevisan M, Steiner AZ, Daniels JL, **Zhang C**, Perkins NJ, Wactawski-Wende J. A longitudinal study of serum lipoproteins in relation to endogenous reproductive hormones during the menstrual cycle: findings from the Biocycle study. American Heart Association (Annual Meeting). San Francisco, CA, USA, March, 2010.
44. Yeung E**, **Zhang C**, Albert P, Ye A, Mumford S, Hediger M, Wactawski-Wende J, Schisterman E. Influence of obesity on menstrual cycle patterns of sex hormones. Society for Pediatric and Perinatal Epidemiologic Research 23rd annual meeting, Seattle, WA, USA, June, 2010.

45. Yeung E**, **Zhang C**, Bowers K, Hu F, Qi L. (Spotlight presentation) Neuropeptide Y gene variants and obesity: longitudinal analyses in two cohorts. American Diabetes Association 70th Scientific Sessions, Orlando, FL, USA, June, 2010.
46. **Zhang C**. Stages of the lifecycle and risk for onset and progression of diabetes and its complications. (Spotlight presentation) The 70th American Diabetes Association Annual Scientific Sessions, Orlando, FL, USA, June, 2010.
47. Yeung E**, Hu FB, Qi F, **Zhang C**. Novel abdominal adiposity genes, plasma adipokines, and risk of type 2 diabetes. Society for Epidemiologic Research 43rd annual meeting, Seattle, WA, USA, June, 2010.
48. Gaskins AJ, Mumford SL, Chavarro J, **Zhang C**, Pollack AZ, Wactawski-Wende J, Perkins NJ, Schisterman EF. The Impact of Dietary Folate Intake on Reproductive Function in Premenopausal Women: The BioCycle Study. Podium presentation at the 24th Annual Meeting of the Society for Pediatric & Perinatal Epidemiologic Research, Montreal, CA, USA, June, 2011.
49. Yeung E**, Sun Q, Bowers K, Hu F, **Zhang C**. Zinc: friend or foe - a prospective study of habitual zinc consumption and the risk of gestational diabetes. Society for Pediatric & Perinatal Epidemiology 23rd Annual Meeting, Montreal, Canada, June, 2011.
50. Bao W**, Bowers K, Kiely M, Yeung E, **Zhang C**. Genetic variants of gestational diabetes: what are in common with type 2 diabetes? The 25th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, USA, June, 2012.
51. Bao W**, Bowers K, Tobias DK, Hu FB, **Zhang C**. Pre-pregnancy nut and peanut butter consumption and the risk of gestational diabetes mellitus. The 25th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, Minneapolis, MN, USA, June, 2012.
52. Filiberto AC, Mumford SL, Wactawski-Wende J, **Zhang C**, Yeung EH, Gaskins AJ, Schliep KC, Schisterman EF. Impact of usual dietary isoflavone intake on reproductive function: The BioCycle Study. Society for Pediatric & Perinatal Epidemiologic Research, Minneapolis, MN, USA, June, 2012.
53. Filiberto AC, Mumford SL, Wactawski-Wende J, **Zhang C**, Yeung EH, Gaskins AJ, Schliep KC, Schisterman EF. The influence of usual dietary isoflavone intake on high sensitivity C-reactive protein concentrations across the menstrual cycle: the BioCycle Study. Society for Epidemiologic Research. Minneapolis, MN, USA, June, 2012.
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55. Boghossian NS, Yeung EH, Mumford SL, **Zhang C**, Gaskins AJ, Wactawski-Wende J, and Schisterman EF. Adherence to the Mediterranean diet and body fat in premenopausal women: the BioCycle study. Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
56. Brite J**, Shiroma E, Bowers K, Yeung E, Laughon SK, Grewal J, **Zhang C**. Height and the risk of gestational diabetes: does maternal race make a difference? A cohort study and meta-analysis. Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
57. Boghossian NS, Yeung EH, Albert P, Poon A, **Zhang C**. Maternal adherence to the mediterranean diet in association with offspring birthweight and infant growth. Obesity Society 30th Annual Meeting, San Antonio, TX, USA, September, 2012.
58. Yeung E, **Zhang C**, Boghossian NS, Koo, W. Determinants of Neonatal Body Adiposity Assessed By Dual Energy X-ray Absorptiometry. Obesity Society 30th Annual Meeting, San Antonio, TX, USA, September, 2012.
59. **Zhang C**, Song Y, Yeung E, Liu A, VanderWeele TJ, Chen L, Lu C, Liu C, Schisterman EF, Ning Y. Pancreatic beta-cell function and type 2 diabetes risk: quantify the causal effect using a Mendelian randomization approach based on meta-analyses. American Diabetes Association 72nd Scientific Sessions, Philadelphia, PA, USA, June, 2012.
60. Bowers K**, Laughon SK, Kiely M, Brite J, Chen Z, **Zhang C**. Gestational diabetes, pre-pregnancy obesity and pregnancy weight gain in relation to excess fetal growth: variations by race/ethnicity. Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
61. Tobias DK**, Chavarro JE, Williams MA, Buck Louis GM, Hu FB, Rich-Edwards J, Missmer SA, **Zhang C**. History of infertility and risk of gestational diabetes mellitus: a prospective analysis of 40,773 pregnancies Podium presentation. Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
62. Bowers K**, Laughon SK, Kim S, Mumford SL, Brite J, Kiely M, **Zhang C**. The association between a medical history of depression and gestational diabetes in a large multi-ethnic cohort of the United States. Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
63. **Zhang C**, Hansen LV, Olsen S. Dietary iron intake during pregnancy and the risk for gestational diabetes in a large national birth cohort Society for Epidemiologic Research 44th annual meeting, Minneapolis, MN, USA, June, 2012.
64. Bao W**, Bowers K, Tobias DK, **Zhang C**. Pre-pregnancy nut and peanut butter consumption and the risk of gestational diabetes. (spotlight presentation) The 45th Annual Meeting of the Society for Epidemiologic Research, Minneapolis, MN, USA, June, 2012.

65. Boghossian NS, Yeung E, Albert PS, Mendola P, Laughon SK, Hinkle SN, **Zhang C**. Changes in Diabetes Status Between Pregnancies and Impact on Newborn Outcomes. Society for Epidemiologic Research 45th annual meeting, Boston, MA, USA, June, 2013.
66. **Zhang C**, Bao W, Tobias DK, Bowers K, Vaag A, Chavarro J, Grunnet LG, Mills J, Liu A, Kiely M. Physical activity, sedentary behaviors, and risk of progression from gestational diabetes to type 2 diabetes. American Diabetes Association 73rd Scientific Sessions, Chicago, IL, USA, June, 2013.
67. Bao W**, Bowers K, Tobias DK, Hu FB, Olsen SF, Chavarro J, Vaag A, Kiely M, **Zhang C**. Prepregnancy low-carbohydrate diet scores and the risk of gestational diabetes: a prospective cohort study. The 46th Annual Meeting of the Society for Epidemiologic Research, Boston, MA, USA, June, 2013.
68. Boghossian NS, Yeung E, Mendola P, Laughon SK, Hinkle SN, **Zhang C**, Albert PS. Changes in diabetes status between pregnancies and impact on newborn outcomes. Society for Epidemiologic Research 45th annual meeting, Boston, MA, USA, June, 2013.
69. Boghossian N, Yeung E, Mendola P, Laughon S, Hinkle S, **Zhang C**, Albert P. Recurrence of hypertensive disorders and subsequent fetal growth restriction. (Spotlight presentation) 2nd international conference on Fetal Growth. Baltimore, MD, USA, September, 2013.
70. Yeung E, Mills J, **Zhang C**, Boghossian N, Robledo C, Mendola P. Maternal copeptin levels are not associated with infant birth weight. (Spotlight presentation) 2nd international conference on Fetal Growth. Baltimore, MD, USA, September, 2013.
71. **Zhang C**, Sundaram R, Maisog J, Barr DB, Buck Louis GM. Pre-gravid Serum Concentrations of Perfluorooctanoic Acid and the Risk of Gestational Diabetes: A Prospective Study in the LIFE Study. Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, LA, USA, February, 2014.
72. **Zhang C**, Martin K, Bowers K, Liu A, Bao W, Vaag A, Yeung E, Sun L, Boghossian N, Hu FB, Olsen S. Fasting glucose levels during pregnancy and long-term childhood growth in the offspring. (Spotlight presentation) Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, LA, USA, February, 2014.
73. Bao W**, Vaag A, Yeung E, **Zhang C**. Long-term Risk of Type 2 Diabetes in Relation to Body Mass Index and Weight Change among Women with a History of Gestational Diabetes (Oral presentation for the session of Hot Issues in the Epidemiology of Obesity and Diabetes) American Diabetes Association's 74th Scientific Sessions, San Francisco, CA. June, 2014
74. **Zhang C**, Yeung E, Bao W, Mendola P. A Prospective Study of Serum Concentrations of Retinol Binding Protein 4 and the Risk of Gestational Diabetes American Diabetes Association's 74th Scientific Sessions, San Francisco, CA. June, 2014

- 75. Zhang C**, Tobias D, Bao W, Kay S. Adherence to Healthy Lifestyle and the Risk of Gestational Diabetes among U.S. Women (selected for Guided Audio Poster) American Diabetes Association's 74th Scientific Sessions, San Francisco, CA. June, 2014
- 76. Zhang C**, et al. Adherence to Healthy Lifestyle and the Risk of Gestational Diabetes (spotlight presentation) Society for Epidemiologic Research 46th annual meeting, Seattle, WA, USA, June 25, 2014.
- 77. Zhang C**, et al. On behalf of the DWH study team. Rationale, Design, and Method of the Diabetes & Women's Health Study-A study of long-term health implications of glucose intolerance in pregnancy and their determinants. (poster) Society for Epidemiologic Research 46th annual meeting, Seattle, WA, USA, June 26, 2014
- 78. Li S**, Zhu Y, Bao W, Hinkle SN, Chavarro JE, Tobias DK, Hu FB, **Zhang C**. Coffee consumption and long-term risk of type 2 diabetes and levels of HbA1c among women with a history of gestational diabetes: a prospective cohort study of 34,569 person-years follow-up. Oral presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016. (Spotlight presentation)
- 79. Zhang C**, Zhu Y, Albert P, Grewal J, Hinkle SN, Rawal S, Tsai M. A Longitudinal Study of Plasma Levels of Branched-Chain and Aromatic Amino Acids and Risk of Gestational Diabetes: Findings from a Prospective Multiracial Cohort. Oral presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016. (Spotlight presentation)
- 80. Bao W**, Zhu Y, Tobias DK, Chavarro JE, Sun Q, Rawal S, Hinkle SN, Snetelaar LG, Hu FB, **Zhang C**. Pre-pregnancy white rice and brown rice consumption in relation to risk of gestational diabetes: a prospective cohort study. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016.
- 81. Rawal S**, Bao W, Zhu Y, Hinkle SN, Grewal J, Albert PS, Tsai MY, **Zhang C**. A Prospective Study of Body Iron Stores in Pregnancy and Risk of Gestational Diabetes: Findings from a Multi-racial Cohort. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016. (Moderated poster session).
- 82. Rawal S**, Hinkle SN, Zhu Y, Albert PS, **Zhang C**. Sleep and Napping during the 1st and 2nd Trimester of Pregnancy and Subsequent Risk of Gestational Diabetes. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016.
- 83. Hinkle SN**, Louis GB, Albert PS, Rawal S, Zhu Y, **Zhang C**. A Longitudinal Study of Antenatal and Postpartum Depression and Gestational Diabetes (GDM) Risk: Untangling the Bidirectional Relation in a Multiracial Cohort. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016
- 84. Zhu Y**, Mendola P, Albert PS, Bao W, Tsai MY, **Zhang C**. Insulin-like growth factor axis and gestational diabetes: A longitudinal and prospective study in a multiracial pregnant

cohort. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016.

85. Zhu Y, Olsen SF, Mendola P, Hinkle SN, **Zhang C**. Are You What Your Mother Ate: Maternal Sugar-Sweetened Beverages Intake in Pregnancy and Offspring Growth and Obesity through Age 7 Years? Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016. (Moderated poster session).
86. Zhu, Y.; Olsen, S.F.; Mendola, P.; Hu, F.B.; **Zhang, C**. Trans-generational impact of diet in pregnancy: Maternal dietary intake of grains during pregnancy and offspring growth and obesity from birth through age of 7 years. Poster presented at the American Heart Association Epi/Lifestyle 2016 meeting, Phoenix, AZ, March 1-4, 2016. (Travel award winner)
87. **Zhang C**, Grobman, Hinkle SN, Zhu Y, Bao W, Tsai M, Hediger M, Albert P. A Longitudinal Study of Plasma Levels of Adipokines and Gestational Diabetes: Findings from a Prospective Multiracial Cohort. Poster presentation to the 76th Scientific Sessions of the American Diabetes Association, New Orleans, LA, June 2016.

SCIENTIFIC PUBLICATIONS

Peer Reviewed Manuscripts

Note: Papers and presentations in which the first author was under the mentorship of Dr. Zhang or in which last authorship indicates project leadership are indicated by **

1. Ware-Jauregui S, Sanchez S, **Zhang C**, Larraburre G, King IB, Williams MA. Plasma lipid concentrations in preeclamptic and normotensive Peruvian women. *Intl J Gynecol*, 1999;67:147-55.
2. Sanchez S, **Zhang C**, Williams MA, Ware-Jauregui S, Laraburre G, Bazul V, Farrand A. Tumor necrosis factor-alpha soluble receptor p55 (sTNFp55) and risk of preeclampsia in Peruvian women. *J Reprod Immunol*, 2000;47:49-63.
3. Sanchez S, **Zhang C**, Malinow MR, Ware-Jauregui S, Laraburre G, Williams MA. Plasma folate, vitamin B12 and homocyst(e)ine concentrations in preeclamptic and normotensive Peruvian women. *Am J Epidemiol*, 2001;153:474-80.
4. **Zhang C**, Williams MA, Sanchez S, King I, Ware-Jauregui S, Laraburre G, Bazul V, Leisenring WM. Plasma concentrations of carotenoids, retinol, and tocopherols in preeclamptic and normotensive pregnant women. *Am J Epidemiol*, 2001;153:572-80.
5. **Zhang C**, Williams MA, King IB, Dashow EE, Sorensen TK, Frederick IO, Thompson ML, Luthy DA. Vitamin C and the risk of preeclampsia-results from dietary questionnaire and plasma assay. *Epidemiology*, 2002;13:409-16.
6. Sanchez SE, **Zhang C**, Williams MA. The influence of maternal triglyceride levels on low

birth weight in preeclamptic and normotensive Peruvian Women. *J Matern Fetal Neonatal Med*, 2003;13:328-33.

7. Sanchez SE, **Zhang C**, Qiu C, Williams MA. Family history of hypertension and diabetes in relation to preeclampsia risk in Peruvian women. *Gynecol Obstet Inves*, 2003;56:128-32.
8. Williams MA, Sanchez SE, **Zhang C**, Bazul V. Methylenetetrahydrofolate reductase 677 C->T polymorphism and plasma folate in relation to pre-eclampsia risk among Peruvian women. *J Matern Fetal Neonatal Med*, 2004;15:337-44.
9. **Zhang C**, Williams MA, Sorensen TK, King IB, Thompson ML, Leisenring WM, Dashow E. Maternal plasma ascorbic Acid (vitamin C) and risk of gestational diabetes mellitus. *Epidemiology*, 2004;15:597-604.
10. Qiu C, Luthy D, **Zhang C**, Williams MA. A prospective study of maternal serum C-reactive protein concentrations and risk of preeclampsia. *Am J Hypert*, 2004; 17:154-60.
11. **Zhang C**, Williams MA, Sorensen TK, Frederick IO, King IB, Thompson ML, Kestin MM, Dashow E. Vitamin C and the risk of gestational diabetes mellitus: a case-control study. *J Reprod Med*, 2004;49:257-66.
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13. Frederick IO, Williams MA, Dashow E, Kestin M, **Zhang C**, Leisenring WM. Dietary fiber, potassium, magnesium, and calcium in relation to the risk of preeclampsia. *J Reprod Med*, 2005; 50:322-44.
14. Enquobahrie DA, Sanchez SE, Muy-Rivera M, Qiu C, **Zhang C**, Austin MA, Williams MA. Hepatic lipase gene polymorphism, pre-pregnancy overweight status and risk of preeclampsia among Peruvian women. *Gynecological Endocrinology*, 2005;21:211-17.
15. Qi L, Li T, Rimm EB, **Zhang C**, Rifai N, Hunter DJ, Doria A, Hu FB. The +276 polymorphism of the APM1 gene, plasma adiponectin concentration, and cardiovascular risk in diabetic men. *Diabetes*, 2005; 54:1607-10.
16. **Zhang C**, Williams MA, Edwards KL, Austin MA. Trp64Arg polymorphism of the beta3-adrenergic receptor gene, pre-pregnancy obesity and risk of pre-eclampsia. *J Maternl-Fetal Neonatal Med*, 2005;17:19-28.
17. **Zhang C**, Austin MA, Edwards KL, Farin FM, Li N, Hsu L, Srinouanprachanh S, Williams MA. Functional variants of the lipoprotein lipase gene and the risk of preeclampsia among non-Hispanic Caucasian women. *Clin Genetics*, 2006; 69:33-39.

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20. **Zhang C**, Liu S, Solomon CG, Hu FB. Dietary fiber intake, dietary glycemic load, and the risk for gestational diabetes mellitus. *Diabetes Care*, 2006;29:2223-30.
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22. **Zhang C**, Solomon CG, Manson JE, Hu FB. A prospective study of pregravid physical activity and sedentary behaviors in relation to the risk for gestational diabetes mellitus. *JAMA Intern Med*, 2006;166:543-8.
23. Qi L, **Zhang C**, van Dam R, Hu FB. Interleukin-6 genetic variability and adiposity: associations in two prospective cohorts and systematic review in 26,944 individuals. *J Clin Endocrinol Metab*, 2007;92:3618-25.
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28. Qi L, Kang K, **Zhang C**, Kraft P, Hunter D, Hu FB. Fat mass-and obesity-associated (FTO) gene variant is associated with obesity: longitudinal analyses in two cohort studies and functional test. *Diabetes*, 2008;57:3145-51.
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