

COLLEGE OF PUBLIC HEALTH CURRICULUM VITAE

Wei Bao
June 26, 2017

I. EDUCATION AND PROFESSIONAL HISTORY

A. Education

<u>Institution</u>	<u>Field of Study</u>	<u>Degree Obtained</u>	<u>Degree Date</u>
College of Life Sciences, Wuhan University	Biological Science	BSc	2006
Tongji Medical College, Huazhong University of Science & Technology	Preventive Medicine	MD	2006
Tongji Medical College, Huazhong University of Science & Technology	Nutrition and Food Hygiene	MS	2008
Tongji Medical College, Huazhong University of Science & Technology	Nutritional and Molecular Epidemiology	PhD	2011

B. Professional and Academic Positions

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location/Institution</u>
Postdoctoral Fellow	2011-2015	Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health (NIH), Bethesda, Maryland
Member	2015-Present	Fraternal Order of Eagles Diabetes Research Center, University of Iowa, Iowa City, Iowa
Member	2015-Present	Obesity Research and Education Initiative, University of Iowa, Iowa City, Iowa
Visiting Assistant Professor	2015-2016	Department of Epidemiology, University of Iowa College of Public Health, Iowa City, Iowa
Associate Member	2015-Present	Environmental Health Sciences Research Center, University of Iowa, Iowa City, Iowa

Member	2016-Present	Center for Global and Regional Environmental Research, University of Iowa, Iowa City, Iowa
Assistant Professor (Tenure-track)	2016-Present	Department of Epidemiology, University of Iowa College of Public Health, Iowa City, Iowa

C. Honors, Awards, Recognitions, and Outstanding Achievements

<u>Year</u>	<u>Title</u>
2009	Travel Grant Award and Pfizer Emerging Scientist Award for the 20th World Diabetes Congress held by the International Diabetes Federation (IDF) in Montreal, Canada
2009	Travel Grant Award for the 19th Conference of the Asian Pacific Association for the Study of the Liver (APASL) in Hong Kong SAR
2010	Outstanding Investigator Award for Top Ten Graduate Students, granted by Huazhong University of Science & Technology
2010	Scholarship Award for Excellent Doctoral Student, granted by the Ministry of Education, P.R. China
2011-2014	NIH Postdoctoral Intramural Research Training Award (IRTA)
2011	Qiu Fazu Scholarship Award, granted by the Qiu Fazu Foundation, P.R. China
2011	Travel Grant Award for the 21st World Diabetes Congress held by the International Diabetes Federation (IDF) in Dubai, United Arab Emirates
2016-2017	EHSRC Career Development Award, University of Iowa Environmental Health Sciences Research Center (EHSRC)
2016	New Faculty Research Award, University of Iowa College of Public Health

II. TEACHING

A. Teaching Assignments on a semester-by-semester basis (*classroom, seminar, teaching lab*)

1. University of Iowa

<u>Semester/Year</u>	<u>Course Title/Number</u>	<u>Semester Hours</u>	<u># Students</u>	<u>Role</u>	<u>Percent Responsible</u>
Spring 2016	EPID:5560:0001 Introduction to Molecular Epidemiology	3	5	Team Teacher	100%

B. Course Materials (syllabi, instructional web pages, computer lab materials) (Description only - *full materials to be included in promotion dossier*)

III. SCHOLARSHIP

A. Publications or Creative Works

1. Peer-Reviewed Papers

1. Wu H, Xu J, Zhuo L, Han L, Bao W, Rong S, Yao P, Ying C, Liu L (2009). Comparison of risk factors associated with hypertension subtypes by classification tree method in Tongshan County of Jiangsu Province, China. *American Journal of Hypertension*, 22(12):1287–1294.
2. Li X, Song F, Jiang H, Zhang M, Lin J, Bao W, Yao P, Yang X, Hao L, Liu L (2010). A genetic variation in the fat mass-and obesity-associated gene is associated with obesity and newly diagnosed type 2 diabetes in a Chinese population. *Diabetes/Metabolism Research and Reviews*, 26(2):128–132.
3. Bao W, Song F, Li X, Rong S, Yang W, Wang D, Xu J, Fu J, Zhao Y, Liu L (2010). Association between heme oxygenase-1 gene promoter polymorphisms and type 2 diabetes mellitus: a HuGE review and meta-analysis. *American Journal of Epidemiology*, 172(6):631–636.
4. Bao W, Li K, Rong S, Yao P, Hao L, Ying C, Zhang X, Nussler A, Liu L (2010). Curcumin alleviates ethanol-induced hepatocytes oxidative damage involving heme oxygenase-1 induction. *Journal of Ethnopharmacology*, 128(2):549–553.
5. Bao W, Ma A, Mao L, Lai J, Xiao M, Sun G, Ouyang Y, Wu S, Yang W, Wang N, others (2010). Diet and lifestyle interventions in postpartum women in China: study design and rationale of a multicenter randomized controlled trial. *BMC Public Health*, 10:103.
6. Shu XO, Long J, Cai Q, Qi L, Xiang Y, Cho YS, Tai ES, Li X, Lin X, Chow W, others (2010). Identification of new genetic risk variants for type 2 diabetes. *PLoS Genetics*, 6(9):e1001127.
7. Xu J, Rong S, Xie B, Sun Z, Deng Q, Wu H, Bao W, Wang D, Yao P, Huang F, others (2010). Memory impairment in cognitively impaired aged rats associated with decreased hippocampal CREB phosphorylation: reversal by procyanidins extracted from the lotus seedpod. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 65(9):933–940.
8. Bao W, Song F, Li X, Rong S, Yang W, Zhang M, Yao P, Hao L, Yang N, Hu FB, others (2010). Plasma heme oxygenase-1 concentration is elevated in individuals with type 2 diabetes mellitus. *PLoS One*, 5(8):e12371.

9. Wang D, Xu K, Zhong Y, Luo X, Xiao R, Hou Y, Bao W, Yang W, Yan H, Yao P, others (2011). Acute and subchronic oral toxicities of Pu-erh black tea extract in Sprague–Dawley rats. *Journal of Ethnopharmacology*, 134(1):156–164.
10. Xu J, Rong S, Xie B, Sun Z, Deng Q, Bao W, Wang D, Yao P, Huang F, Liu L (2011). Changes in the nitric oxide system contribute to effect of procyanidins extracted from the lotus seedpod ameliorating memory impairment in cognitively impaired aged rats. *Rejuvenation Research*, 14(1):33–43.
11. Fang M, Jin Y, Bao W, Gao H, Xu M, Wang D, Wang X, Yao P, Liu L (2011). In vitro characterization and in vivo evaluation of nanostructured lipid curcumin carriers for intragastric administration. *International Journal of Nanomedicine*, 7:5395–5404.
12. Wang D, Zhong Y, Luo X, Wu S, Xiao R, Bao W, Yang W, Yan H, Yao P, Liu L (2011). Pu-erh black tea supplementation decreases quinocetone-induced ROS generation and oxidative DNA damage in Balb/c mice. *Food and Chemical Toxicology*, 49(2):477–484.
13. Li H, Kilpeläinen T, Liu C, Zhu J, Liu Y, Hu C, Yang Z, Zhang W, Bao W, Cha S, others (2012). Association of genetic variation in FTO with risk of obesity and type 2 diabetes with data from 96,551 East and South Asians. *Diabetologia*, 55(4):981–995.
14. Liu J, Bao W, Jiang M, Zhang Y, Zhang X, Liu L (2012). Chromium, selenium, and zinc multimineral enriched yeast supplementation ameliorates diabetes symptom in streptozocin-induced mice. *Biological Trace Element Research*, 146(2):236–245.
15. Rong S, Zhao Y, Bao W, Xiao X, Wang D, Nussler AK, Yan H, Yao P, Liu L (2012). Curcumin prevents chronic alcohol-induced liver disease involving decreasing ROS generation and enhancing antioxidative capacity. *Phytomedicine*, 19(6):545–550.
16. Bao W, Rong Y, Rong S, Liu L (2012). Dietary iron intake, body iron stores, and the risk of type 2 diabetes: a systematic review and meta-analysis. *BMC Medicine*, 10:119.
17. Rong Y, Bao W, Rong S, Fang M, Wang D, Yao P, Hu FB, Liu L (2012). Hemochromatosis gene (HFE) polymorphisms and risk of type 2 diabetes mellitus: a meta-analysis. *American Journal of Epidemiology*, 176(6):461–472.
18. Bao W, Rong S, Zhang M, Yu X, Zhao Y, Xiao X, Yang W, Wang D, Yao P, Hu FB, others (2012). Plasma heme oxygenase-1 concentration in relation to impaired glucose regulation in a non-diabetic Chinese population. *PLoS One*, 7(3):e32223.
19. Li H, Gan W, Lu L, Dong X, Han X, Hu C, Yang Z, Sun L, Bao W, Li P, others (2013). A genome-wide association study identifies GRK5 and RASGRP1 as type 2 diabetes loci in Chinese Hans. *Diabetes*, 62(1):291–298.
20. Zhang C, Bao W, Rong Y, Yang H, Bowers K, Yeung E, Kiely M (2013). Genetic variants and the risk of gestational diabetes mellitus: a systematic review. *Human Reproduction Update*, 19(4):376–390.
21. Rong Y, Bao W, Shan Z, Liu J, Yu X, Xia S, Gao H, Wang X, Yao P, Hu FB, others (2013). Increased microRNA-146a levels in plasma of patients with newly diagnosed type 2 diabetes mellitus. *PLoS One*, 8(9):e73272.

22. Wang X, Bao W, Liu J, OuYang Y, Wang D, Rong S, Xiao X, Shan Z, Zhang Y, Yao P, others (2013). Inflammatory markers and risk of type 2 diabetes: a systematic review and meta-analysis. *Diabetes Care*, 36(1):166–175.
23. Bao W, Hu FB, Rong S, Rong Y, Bowers K, Schisterman EF, Liu L, Zhang C (2013). Predicting risk of type 2 diabetes mellitus with genetic risk models on the basis of established genome-wide association markers: a systematic review. *American Journal of Epidemiology*, 178(8):1197–1207.
24. Bao W, Bowers K, Tobias DK, Hu FB, Zhang C (2013). Prepregnancy dietary protein intake, major dietary protein sources, and the risk of gestational diabetes mellitus: a prospective cohort study. *Diabetes Care*, 36(7):2001–2008.
25. Tang Y, Tian H, Shi Y, Gao C, Xing M, Yang W, Bao W, Wang D, Liu L, Yao P (2013). Quercetin suppressed CYP2E1-dependent ethanol hepatotoxicity via depleting heme pool and releasing CO. *Phytomedicine*, 20(8):699–704.
26. Yang W, Fu J, Xiao X, Yan H, Bao W, Wang D, Hao L, Nussler AK, Yao P, Liu L (2013). Quinocetone triggers oxidative stress and induces cytotoxicity and genotoxicity in human peripheral lymphocytes of both genders. *Journal of the Science of Food and Agriculture*, 93(6):1317–1325.
27. Zhang C, Tobias DK, Chavarro JE, Bao W, Wang D, Ley SH, Hu FB, others (2014). Adherence to healthy lifestyle and risk of gestational diabetes mellitus: prospective cohort study. *BMJ*, 349:g5450.
28. Xie M, Shan Z, Zhang Y, Chen S, Yang W, Bao W, Rong Y, Yu X, Hu FB, Liu L (2014). Aspirin for primary prevention of cardiovascular events: meta-analysis of randomized controlled trials and subgroup analysis by sex and diabetes status. *PloS One*, 9(10):e90286.
29. Yang W, Yu M, Fu J, Bao W, Wang D, Hao L, Yao P, Nüssler AK, Yan H, Liu L (2014). Deoxynivalenol induced oxidative stress and genotoxicity in human peripheral blood lymphocytes. *Food and Chemical Toxicology*, 64:383–396.
30. Tobias D, Bao W (2014). Diet during pregnancy and gestational weight gain. *Current Nutrition Reports*, 3(3):289–297.
31. Wang X, Chen H, Ouyang Y, Liu J, Zhao G, Bao W, Yan M (2014). Dietary calcium intake and mortality risk from cardiovascular disease and all causes: a meta-analysis of prospective cohort studies. *BMC Medicine*, 12:158.
32. Wang X, Ouyang Y, Liu J, Zhu M, Zhao G, Bao W, Hu FB (2014). Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: systematic review and dose-response meta-analysis of prospective cohort studies. *BMJ*, 349:g4490.
33. Shan Z, Bao W, Zhang Y, Rong Y, Wang X, Jin Y, Song Y, Yao P, Sun C, Hu FB, others (2014). Interactions between zinc transporter-8 gene (SLC30A8) and plasma zinc concentrations for impaired glucose regulation and type 2 diabetes. *Diabetes*, 63(5):1796–1803.

34. Wang X, Sun T, Liu J, Shan Z, Jin Y, Chen S, Bao W, Hu FB, Liu L (2014). Inverse association of plasma vanadium levels with newly diagnosed type 2 diabetes in a Chinese population. *American Journal of Epidemiology*, 180(4):378–384.
35. Xu G, Jing J, Bowers K, Liu B, Bao W (2014). Maternal diabetes and the risk of autism spectrum disorders in the offspring: a systematic review and meta-analysis. *Journal of Autism and Developmental Disorders*, 44(4):766–775.
36. Bao W, Tobias DK, Bowers K, Chavarro J, Vaag A, Grunnet LG, Strøm M, Mills J, Liu A, Kiely M, others (2014). Physical activity and sedentary behaviors associated with risk of progression from gestational diabetes mellitus to type 2 diabetes mellitus: A prospective cohort study. *JAMA Internal Medicine*, 174(7):1047–1055.
37. Bao W, Tobias DK, Olsen SF, Zhang C (2014). Pre-pregnancy fried food consumption and the risk of gestational diabetes mellitus: a prospective cohort study. *Diabetologia*, 57(12):2485–2491.
38. Bao W, Bowers K, Tobias DK, Olsen SF, Chavarro J, Vaag A, Kiely M, Zhang C (2014). Prepregnancy low-carbohydrate dietary pattern and risk of gestational diabetes mellitus: a prospective cohort study. *The American Journal of Clinical Nutrition*, 99(6):1378–1384.
39. Zhang C, Hu FB, Olsen SF, Vaag A, Gore-Langton R, Chavarro JE, Bao W, Yeung E, Bowers K, Grunnet LG, others (2014). 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. *Acta Obstetrica et Gynecologica Scandinavica*, 93(11):1123–1130.
40. Bao W, Baecker A, Song Y, Kiely M, Liu S, Zhang C (2015). Adipokine levels during the first or early second trimester of pregnancy and subsequent risk of gestational diabetes mellitus: a systematic review. *Metabolism*, 64(6):756–764.
41. Wang X, Chen H, Liu J, Ouyang Y, Wang D, Bao W, Liu L (2015). Association between the NF-E2 Related Factor 2 Gene Polymorphism and Oxidative Stress, Anti-Oxidative Status, and Newly-Diagnosed Type 2 Diabetes Mellitus in a Chinese Population. *International Journal of Molecular Sciences*, 16(7):16483–16496.
42. Liu D, Lin X, Yu F, Zhang M, Chen H, Bao W, Wang X (2015). Effects of 3, 5-Diiodotyrosine and Potassium Iodide on Thyroid Function and Oxidative Stress in Iodine-Excess Wistar Rats. *Biological Trace Element Research*, 168(2):447–452.
43. Bao W, Yeung E, Tobias DK, Hu FB, Vaag AA, Chavarro JE, Mills JL, Grunnet LG, Bowers K, Ley SH, others (2015). Long-term risk of type 2 diabetes mellitus in relation to BMI and weight change among women with a history of gestational diabetes mellitus: a prospective cohort study. *Diabetologia*, 58(6):1212–1219.
44. Shan Z, Ma H, Xie M, Yan P, Guo Y, Bao W, Rong Y, Jackson CL, Hu FB, Liu L (2015). Sleep duration and risk of type 2 diabetes: a meta-analysis of prospective studies. *Diabetes Care*, 38(3):529–537.
45. Zhang C, Bao W, Tobias DK, Chavarro JE, Hu FB (2016). Authors reply to Gachi, Mullie and colleagues, and Weatherburn. *BMJ*, 352:i1191.

46. Bao W (2016). Comment on Koivusalo et al. Gestational Diabetes Mellitus Can Be Prevented by Lifestyle Intervention: The Finnish Gestational Diabetes Prevention Study (RADIEL): A Randomized Controlled Trial. *Diabetes Care* 2016; 39: 24–30. *Diabetes Care*, 39(8):e125–e125.
47. Bao W (2016). Fish Intake During Pregnancy and Offspring Adiposity. *JAMA Pediatrics*, 170(8):808–809.
48. Zhu Y, Olsen SF, Mendola P, Yeung EH, Vaag A, Bowers K, Liu A, Bao W, Li S, Madsen C, others (2016). Growth and obesity through the first 7 y of life in association with levels of maternal glycemia during pregnancy: a prospective cohort study. *The American Journal of Clinical Nutrition*, 103(3):794–800.
49. Tobias D, Zhang C, Chavarro J, Olsen S, Bao W, Bjerregaard A, Fung T, Manson J, Hu F (2016). Healthful dietary patterns and long-term weight change among women with a history of gestational diabetes mellitus. *International Journal of Obesity*, 40(11):1748–1753.
50. Li S, Zhu Y, Chavarro JE, Bao W, Tobias DK, Ley SH, Forman JP, Liu A, Mills J, Bowers K, others (2016). Healthful Dietary Patterns and the Risk of Hypertension Among Women With a History of Gestational Diabetes Mellitus: Novelty and Significance. *Hypertension*, 67(6):1157–1165.
51. Zhu Y, Mendola P, Albert PS, Bao W, Hinkle SN, Tsai MY, Zhang C (2016). Insulin-like growth factor axis and gestational diabetes mellitus: a longitudinal study in a multiracial cohort. *Diabetes*, 65(11):3495–3504.
52. Bao W, Chavarro JE, Tobias DK, Bowers K, Li S, Hu FB, Zhang C (2016). Long-term risk of type 2 diabetes in relation to habitual iron intake in women with a history of gestational diabetes: a prospective cohort study. *The American Journal of Clinical Nutrition*, 103(2):375–381.
53. Bao W, Li S, Chavarro JE, Tobias DK, Zhu Y, Hu FB, Zhang C (2016). Low carbohydrate–diet scores and long-term risk of type 2 diabetes among women with a history of gestational diabetes mellitus: a prospective cohort study. *Diabetes Care*, 39(1):43–49.
54. Li P, Shan Z, Zhou L, Xie M, Bao W, Zhang Y, Rong Y, Yang W, Liu L (2016). MECHANISMS IN ENDOCRINOLOGY: Parity and risk of type 2 diabetes: a systematic review and dose-response meta-analysis. *European Journal of Endocrinology*, 175(5):R231–R245.
55. Bao W, Michels KB, Tobias DK, Li S, Chavarro JE, Gaskins AJ, Vaag AA, Hu FB, Zhang C (2016). Parental smoking during pregnancy and the risk of gestational diabetes in the daughter. *International Journal of Epidemiology*, 45(1):160–169.
56. Bowers KA, Olsen SF, Bao W, Halldorsson TI, Strøm M, Zhang C (2016). Plasma Concentrations of Ferritin in Early Pregnancy Are Associated with Risk of Gestational Diabetes Mellitus in Women in the Danish National Birth Cohort. *The Journal of Nutrition*, 146(9):1756–1761.
57. Bao W, Tobias DK, Hu FB, Chavarro JE, Zhang C (2016). Pre-pregnancy potato consumption and risk of gestational diabetes mellitus: prospective cohort study. *BMJ*, 352:h6898.

58. Rawal S, Hinkle SN, Bao W, Zhu Y, Grewal J, Albert PS, Weir NL, Tsai MY, Zhang C (2017). A longitudinal study of iron status during pregnancy and the risk of gestational diabetes: findings from a prospective, multiracial cohort. *Diabetologia*, 60(2):249–257.
59. Zheng X, Huang B, Luo S, Yang D, Bao W, Li J, Yao B, Weng J, Yan J (2017). A New Model to Estimate Insulin Resistance via Clinical Parameters in Adults with Type 1 Diabetes. *Diabetes/Metabolism Research and Reviews*, 33(4):e2880.
60. Wu L, Jin L, Shi T, Zhang B, Zhou Y, Zhou T, Bao W, Xiang H, Zuo Y, Li G, others (2017). Association between ambient particulate matter exposure and semen quality in Wuhan, China. *Environment International*, 98:219–228.
61. Liu B, Lehmler H, Sun Y, Xu G, Liu Y, Zong G, Sun Q, Hu FB, Wallace RB, Bao W (2017). Bisphenol A substitutes and obesity in US adults: analysis of a population-based, cross-sectional study. *The Lancet Planetary Health*, 1(3):e114–e122.
62. Shostrom DC, Sun Y, Oleson JJ, Snetselaar LG, Bao W (2017). History of Gestational Diabetes Mellitus in Relation to Cardiovascular Disease and Cardiovascular Risk Factors in US Women. *Frontiers in Endocrinology*, 8:144.
63. Chen S, Jin X, Shan Z, Li S, Yin J, Sun T, Luo C, Yang W, Yao P, Yu K, others (2017). Inverse Association of Plasma Chromium Levels with Newly Diagnosed Type 2 Diabetes: A Case-Control Study. *Nutrients*, 9(3):294.
64. Bao W, Dar S, Zhu Y, Wu J, Rawal S, Li S, Weir NL, Tsai MY, Zhang C (2017). Plasma concentrations of lipids during pregnancy and the risk of gestational diabetes mellitus: A longitudinal study. *Journal of Diabetes*..
65. Osorio-Yáñez C, Gelaye B, Qiu C, Bao W, Cardenas A, Enquobahrie DA, Williams MA (2017). Maternal Intake of Fried Foods and Risk of Gestational Diabetes Mellitus. *Annals of Epidemiology*, 27(6):384-390.

2. Non-Peer-Reviewed Papers (reports, proceedings, etc.)

3. Books/Monographs

4. Chapters

5. Electronic Publications

6. Abstracts

7. Other

B. Areas of Research Interest/Current Projects

1. Chronic Disease Epidemiology
2. Developmental Origins of Health and Disease (DOHaD)
3. Diabetes and Obesity

4. Genetic Epidemiology (including Genomics and Epigenomics)
5. Life Course Epidemiology
6. Maternal and Child Health
7. Molecular Epidemiology (including Metabolomics)
8. Nutrition and Physical Activity

C. Sponsored Research (ALL grants)
(if you are not the PI, state your role or contributions - in a few sentences)

1. Grants Received

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
National Key Technology R&D Program of China (2008BAI58B07) Diet and lifestyle intervention in postpartum women in China		01/01/2008- 12/31/2010
NSFC-30872116 National Natural Science Foundation of China Curcumin, a natural antioxidant, may attenuate type 2 diabetes mellitus via Nrf2/HO-1 mediated molecular pathway <i>Co-Investigator</i>		01/01/2009- 12/31/2011
National High Technology Research and Development Program of China (863 Program, 2009AA022704) Whole-genome association and pharmacogenomics studies in type 2 diabetes mellitus <i>Co-Investigator</i>		01/01/2009- 12/31/2010
Doctoral Dissertation Innovation Fund of Huazhong University of Science & Technology Plasma HO-1 levels, ferritin, and HO-1 gene polymorphisms in individuals with type 2 diabetes mellitus <i>Principal Investigator</i>		01/01/2010- 12/31/2011

<p>NIH Office of Dietary Supplements (ODS) Supplemental Iron and Gestational Diabetes <i>Co-Principal</i></p>	<p>01/01/2012- 12/31/2013</p>
<p>University of Iowa Center for Health Effects of Environmental Contamination (CHEEC) Exposure to environmental obesogen tributyltin during pregnancy in association with maternal obesity and gestational weight gain <i>Principal Investigator</i></p>	<p>01/01/2016- 12/31/2017</p>
<p>NIEHS/NIH P30 ES005605 NIH/NIEHS/University of Iowa Environmental Health Sciences Research Center (EHSRC) Tributyltin exposure from seafood consumption in relation to obesity and diabetes prevalence in a nationally representative population <i>Principal Investigator</i></p>	<p>01/01/2016- 12/31/2017</p>
<p>University of Iowa College of Public Health Establishing a new collaboration with Chinese partners for global maternal and child health research <i>Principal Investigator</i></p>	<p>01/01/2016- 12/31/2016</p>
<p>University of Iowa College of Public Health Prospective investigation of maternal tributyltin exposure during early pregnancy and neonatal birth size <i>Principal Investigator</i></p>	<p>01/01/2016- 12/31/2016</p>
<p>The Robert W. Hansen Diabetes Fund of the Fraternal Order of Eagles Charity Foundation Gestational diabetes in relation to cardiovascular health status and cardiovascular disease risk in US women <i>Principal Investigator</i></p>	<p>04/01/2016- 03/31/2017</p>
<p>University of Iowa Fraternal Order of Eagles Diabetes Research Center Nontraditional glycemic markers in early pregnancy as predictors of gestational diabetes <i>Principal Investigator, University of Iowa</i></p>	<p>09/01/2016- 08/31/2017</p>

NIH/NIEHS/University of Iowa Environmental Health Sciences Research Center (EHSRC)
 Exposure to individual and multiple environmental chemicals among lactating women in the United States
Principal Investigator

09/01/2016-
 03/31/2017

The Robert W. Hansen Diabetes Fund of the Fraternal Order of Eagles Charity Foundation
 A nationwide population-based study of environmental endocrine disruptors and impaired glucose metabolism in pregnancy
Principal Investigator

07/01/2017-
 06/30/2018

University of Iowa Center for Global and Regional Environmental Research
 Ambient Air Pollution and Reproductive Health among Women in Wuhan, China
Principal Investigator

07/01/2017-
 06/30/2018

2. Grants Pending

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
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D. Presentations

1. Invited Presentations

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
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2. Conference Presentations/Posters

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
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October 18, 2009	Multiminerals-enriched Yeast Alleviates Oxidative Stress, Metabolic Disorders and Immune Function Impairment in Streptozocin-induced Diabetic Mice (Bao W, Jiang M, Rong S, Song F, Yao P, Nussler A, Liu L)	The International Diabetes Federation's 20th World Diabetes Congress, Montreal, Canada	Poster
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<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
June 25, 2010	Association between Heme Oxygenase-1 Gene Microsatellite Polymorphisms and Type 2 Diabetes: A Systematic Review and Meta-Analysis (Bao W, Song F, Li X, Rong S, Yang W, Hu F, Liu L)	The American Diabetes Association's 70th Scientific Sessions, Orlando, Florida	Poster
June 25, 2010	Elevated Plasma Heme Oxygenase-1 Concentrations Are Associated with Higher Risk of Type 2 Diabetes Mellitus in a Chinese Population (Bao W, Song F, Li X, Rong S, Yang W, Zhang M, Yao P, Hao L, Yang N, Hu F, Liu L)	The American Diabetes Association's 70th Scientific Sessions, Orlando, Florida	Poster
October 17, 2010	Relationships among Heme Oxygenase-1 Gene Microsatellite Polymorphism, Body Iron Stores and Type 2 Diabetes in a Chinese Population (Bao W, Song F, Rong S, Yang W, Zhao Y, Yao P, Liu L)	The 8th International Diabetes Federation Western Pacific Region Congress, Busan, Korea	Poster
December 4, 2011	Elevated plasma heme oxygenase-1 concentration is associated with prediabetes in a Chinese population (Bao W, Rong S, Zhang M, Yu X, Zhao Y, Xiao X, Yang W, Wang D, Hu FB, Liu L)	The International Diabetes Federation's 21st World Diabetes Congress, Dubai, United Arab Emirates	Oral
December 4, 2011	Predicting risk of type 2 diabetes mellitus with genome-wide association markers: a systematic review and meta-analysis (Bao W, Rong S, Rong Y, Yu X, Hu FB, Liu L)	The International Diabetes Federation's 21th World Diabetes Congress, Dubai, United Arab Emirates	Oral
June 25, 2012	Genetic variants of gestational diabetes: what are in common with type 2 diabetes? (Bao W, Bowers K, Kiely M, Yeung E, Zhang C)	The 25th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Minneapolis, Minnesota	Poster

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
June 25, 2012	Pre-pregnancy nut and peanut butter consumption and the risk of gestational diabetes mellitus (Bao W, Bowers K, Tobias DK, Hu FB, Zhang C)	The 25th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Minneapolis, Minnesota	Poster
June 27, 2012	Pre-pregnancy nut and peanut butter consumption and the risk of gestational diabetes mellitus (Bao W, Bowers K, Tobias DK, Hu FB, Zhang C)	The 45th Annual Meeting of the Society for Epidemiologic Research (SER), Minneapolis, Minnesota	Oral
June 17, 2013	Physical activity, sedentary behaviors, and risk of progression from gestational diabetes to type 2 diabetes (Bao W, Tobias DK, Bowers K, Hu FB, Vaag A, Chavarro J, Grunnet LG, Mills J, Liu A, Kiely M, Zhang C)	The 26th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Boston, Massachusetts	Poster
June 18, 2013	Prepregnancy low-carbohydrate diet scores and the risk of gestational diabetes: a prospective cohort study (Bao W, Bowers K, Tobias DK, Hu FB, Olsen SF, Chavarro J, Vaag A, Kiely M, Zhang C)	The 46th Annual Meeting of the Society for Epidemiologic Research (SER), Boston, Massachusetts	Poster
June 13, 2014	Long-term risk of type 2 diabetes in relation to body mass index and weight change among women with a history of gestational diabetes (Bao W, Yeung E, Tobias DK, Bowers K, Ley SH, Hu FB, Vaag A, Chavarro JE, Grunnet LG, Kiely M, Olsen SF, Zhang C)	The American Diabetes Association's 74th Scientific Sessions, San Francisco, California	Oral

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
June 13, 2014	Prepregnancy predicted vitamin D status and risk of gestational diabetes: a prospective cohort study (Bao W, Song Y, Tobias DK, Hu FB, Olsen SF, Chavarro JE, Zhang C)	The American Diabetes Association's 74th Scientific Sessions, San Francisco, California	Poster
June 27, 2014	A prospective cohort study of prepregnancy potato consumption and the risk of gestational diabetes (Bao W, Tobias DK, Hu FB, Chavarro J, Zhang C)	The 47th Annual Meeting of the Society for Epidemiologic Research (SER), Minneapolis, Minnesota	Poster
March 3, 2015	Maternal Heavy Smoking during Pregnancy in Association with Higher Risk of Gestational Diabetes in the Offspring (Bao W, Michels KB, Tobias DK, Li S, Chavarro JE, Gaskins AJ, Vaag AA, Hu FB, Zhang C)	The American Heart Association's EPI/Lifestyle 2015 Scientific Sessions, Baltimore, Maryland, United States	Poster
June 5, 2015	Low-carbohydrate dietary pattern and long-term risk of type 2 diabetes among women with a history of gestational diabetes: a prospective cohort study (Bao W, Li S, Chavarro JE, Tobias DK, Zhu Y, Hu FB, Zhang C)	The American Diabetes Association's 75th Scientific Sessions, Boston, Massachusetts, United States	Poster
June 5, 2015	Sleep characteristics in association with type 2 diabetes risk and hemoglobin A1c levels among women with a history of gestational diabetes: a prospective cohort study. (Bao W, Chavarro JE, Li S, Zhu Y, Tobias DK, Ley SH, Miciek R, Tsai M, Hu FB, Zhang C)	The American Diabetes Association's 75th Scientific Sessions, Boston, Massachusetts, United States	Poster

3. Other Presentations

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
November 6, 2014	Healthful diet and lifestyle in relation to gestational diabetes and subsequent type 2 diabetes: a life course perspective	Department of Epidemiology, University of Iowa College of Public Health, Iowa City, Iowa, United States	Seminar
November 6, 2015	Nutritional trace elements, related genetic variants, and type 2 diabetes	Environmental Health Sciences Research Center, University of Iowa, Iowa City, Iowa, United States	Seminar
July 11, 2016	Maternal nutrition and gestational diabetes: opportunities for prevention	Fraternal Order of Eagles Diabetes Research Center, University of Iowa, Iowa City, Iowa, United States	Seminar

IV. SERVICE

A. Offices/appointments held in professional organizations

1. Editorships

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2012-2015	BMC Public Health	Associate Editor
2013-Present	BMC Endocrine Disorders	Associate Editor
2014-Present	Scientific Reports	Editorial Board
2016-Present	BMC Nutrition	Section Editor
2016-Present	Frontiers in Endocrinology	Associate Editor
2016-Present	Frontiers in Nutrition	Associate Editor

2. Review Panels

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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3. Professional Organizations (state and/or national)

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2012-Present	Society for Epidemiologic Research (SER)	
2012-Present	Society for Pediatric and Perinatal Epidemiologic Research (SPER)	

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2013-Present	American Diabetes Association (ADA)	
2013	Society for Pediatric and Perinatal Epidemiologic Research	Reviewer for Annual Meeting Abstract
2014-Present	American Heart Association/American Stroke Association (AHA/ASA)	
2016-Present	American Society for Nutrition (ASN)	
2016-Present	National Institutes of Health (NIH)	Reviewer, Grant Proposals
2016-Present	US Department of Defense	Reviewer, Grant Proposals
2016	Society for Epidemiologic Research (SER)	Reviewer for Annual Meeting Abstract
2017-Present	Diabetes UK	Reviewer, Grant Proposals

B. Other Professional Service

1. Referee Manuscripts/Journal Reviews

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2010-Present	Annals of Internal Medicine	Reviewer, Publications
2011-Present	PLoS One	Reviewer, Publications
2013-Present	American Journal of Epidemiology	Reviewer, Publications
2013-Present	Current Epidemiology Reports	Reviewer, Publications
2013-Present	Diabetes Care	Reviewer, Publications
2013-Present	Diabetic Medicine	Reviewer, Publications
2014-Present	European Journal of Clinical Nutrition	Reviewer, Publications
2014-Present	European Journal of Public Health	Reviewer, Publications
2014-Present	Journal of Epidemiology	Reviewer, Publications
2014-Present	Public Health Nutrition	Reviewer, Publications

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2015-Present	Diabetes	Reviewer, Publications
2015-Present	Journal of the Academy of Nutrition and Dietetics	Reviewer, Publications
2016-Present	Human Reproduction	Reviewer, Publications

2. Organize Conference, Paper Session, etc.

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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3. State Committees

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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4. National Committees

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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5. Professionally Relevant Community Involvement

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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6. Professional Consulting

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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7. Other

<u>Year</u>	<u>Organization</u>	<u>Position</u>
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C. Departmental, Collegiate or University Service

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2015-Present	Department of Epidemiology MPH Admission Committee	Member
2015-Present	Department of Epidemiology PhD Admission Committee	Member