

COLLEGE OF PUBLIC HEALTH CURRICULUM VITAE

Wei Bao

January 30, 2019

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 and Technology	Preventive Medicine	MD	2006
Tongji Medical College, Huazhong University of Science and Technology	Nutrition and Food Hygiene	MS	2008
Tongji Medical College, Huazhong University of Science and 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
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

<u>Position Title</u>	<u>Dates of Service</u>	<u>Location/Institution</u>
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>
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<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%
Spring 2018	EPID:5560:0001 Introduction to Molecular Epidemiology	3	7	Primary Instructor	100%
Fall 2018	CPH:3210:0001 Nutrition in Public Health	3	14	Primary Instructor	
Fall 2018	EPID:6100:0001 Writing a Grant Proposal	3	7	Team Teacher	

- 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):1287-94. PMID: 19798038
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):128-32. PMID: 20186840
3. Bao W, Ma A, Mao L, Lai J, Xiao M, Sun G, Ouyang Y, Wu S, Yang W, Wang N, Zhao Y, Fu J, Liu L (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. PMC: PMC2837853, PMID: 20187965
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):549-53. PMID: 20080166
5. Bao W, Song F, Li X, Rong S, Yang W, Zhang M, Yao P, Hao L, Yang N, Hu FB, Liu L (2010). Plasma heme oxygenase-1 concentration is elevated in individuals with type 2 diabetes mellitus. *PLOS One*, 5(8):e12371. PMC: PMC2928270, PMID: 20811623

6. Xu J, Rong S, Xie B, Sun Z, Deng Q, Wu H, Bao W, Wang D, Yao P, Huang F, Liu L (2010). Memory impairment in cognitively impaired aged rats associated with decreased hippocampal CREB phosphorylation: reversal by procyanidins extracted from the lotus seedpod. *The Journal of Gerontology, Series A: Biological Sciences and Medical Sciences*, 65(9):933-40. PMID: 20530246
7. 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):631-6. PMID: 20682519
8. Shu XO, Long J, Cai Q, Qi L, Xiang YB, Cho YS, Tai ES, Li X, Lin X, Chow WH, Go MJ, Seielstad M, Bao W, Li H, Cornelis MC, Yu K, Wen W, Shi J, Han BG, Sim XL, Liu L, Qi Q, Kim HL, Ng DP, Lee JY, Kim YJ, Li C, Gao YT, Zheng W, Hu FB (2010). Identification of new genetic risk variants for type 2 diabetes. *PLoS Genetics*, 6(9):e1001127. PMC: PMC2940731, PMID: 20862305
9. 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. PMID: 21269138
10. 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):477-84. PMID: 21112366
11. Wang D, Xu K, Zhong Y, Luo X, Xiao R, Hou Y, Bao W, Yang W, Yan H, Yao P, Liu L (2011). Acute and subchronic oral toxicities of Pu-erh black tea extract in Sprague-Dawley rats. *Journal of Ethnopharmacology*, 134(1):156-64. PMID: 21134434
12. Fang M, Jin Y, Bao W, Gao H, Xu M, Wang D, Wang X, Yao P, Liu L (2012). In vitro characterization and in vivo evaluation of nanostructured lipid curcumin carriers for intragastric administration. *International Journal of Nanomedicine*, 7:5395-404. PMC: PMC3471604, PMID: 23091382
13. Bao W, Rong S, Zhang M, Yu X, Zhao Y, Xiao X, Yang W, Wang D, Yao P, Hu FB, Liu L (2012). Plasma heme oxygenase-1 concentration in relation to impaired glucose regulation in a non-diabetic Chinese population. *PLOS One*, 7(3):e32223. PMC: PMC3299661, PMID: 22427825
14. Li H, Kilpeläinen TO, Liu C, Zhu J, Liu Y, Hu C, Yang Z, Zhang W, Bao W, Cha S, Wu Y, Yang T, Sekine A, Choi BY, Yajnik CS, Zhou D, Takeuchi F, Yamamoto K, Chan JC, Mani KR, Been LF, Imamura M, Nakashima E, Lee N, Fujisawa T, Karasawa S, Wen W, Joglekar CV, Lu W, Chang Y, Xiang Y, Gao Y, Liu S, Song Y, Kwak SH, Shin HD, Park KS, Fall CH, Kim JY, Sham PC, Lam KS, Zheng W, Shu X, Deng H, Ikegami H, Krishnaveni GV, Sanghera DK, Chuang L, Liu L, Hu R, Kim Y, Daimon M, Hotta K, Jia W, Kooner JS, Chambers JC, Chandak GR, Ma RC, Maeda S, Dorajoo R, Yokota M, Takayanagi R, Kato N, Lin X, Loos RJ (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):981-95. PMC: PMC3296006, PMID: 22109280

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):545-50. PMID: 22445643
16. 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):236-45. PMID: 22081404
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):461-72. PMID: 22908207
18. 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. PMC: PMC3520769, PMID: 23046549
19. Li H, Gan W, Lu L, Dong X, Han X, Hu C, Yang Z, Sun L, Bao W, Li P, He M, Sun L, Wang Y, Zhu J, Ning Q, Tang Y, Zhang R, Wen J, Wang D, Zhu X, Guo K, Zuo X, Guo X, Yang H, Zhou X, Zhang X, Qi L, Loos RJ, Hu FB, Wu T, Liu Y, Liu L, Yang Z, Hu R, Jia W, Ji L, Li Y, Lin X (2013). A genome-wide association study identifies GRK5 and RASGRP1 as type 2 diabetes loci in Chinese Hans. *Diabetes*, 62(1):291-8. PMC: PMC3526061, PMID: 22961080
20. Wang X, Bao W, Liu J, Ouyang YY, Wang D, Rong S, Xiao X, Shan ZL, Zhang Y, Yao P, Liu LG (2013). Inflammatory markers and risk of type 2 diabetes: a systematic review and meta-analysis. *Diabetes Care*, 36(1):166-75. PMC: PMC3526249, PMID: 23264288
21. 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):1317-25. PMID: 23027643
22. 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(8-9):699-704. PMID: 23583009
23. 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):376-90. PMC: PMC3682671, PMID: 23690305
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):2001-8. PMC: PMC3687314, PMID: 23378620
25. Rong Y, Bao W, Shan Z, Liu J, Yu X, Xia S, Gao H, Wang X, Yao P, Hu FB, Liu L (2013). Increased microRNA-146a levels in plasma of patients with newly diagnosed type 2 diabetes mellitus. *PLOS One*, 8(9):e73272. PMC: PMC3759444, PMID: 24023848
26. 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):1197-207. PMC: PMC3792732, PMID: 24008910

27. 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*, 64:383-96. PMID: 24355168
28. 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):766-75. PMC: PMC4181720, PMID: 24057131
29. Shan Z, Bao W, Zhang Y, Rong Y, Wang X, Jin Y, Song Y, Yao P, Sun C, Hu FB, Liu L (2014). Interactions between zinc transporter-8 gene (SLC30A8) and plasma zinc concentrations for impaired glucose regulation and type 2 diabetes. *Diabetes*, 63(5):1796-803. PMID: 24306209
30. 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):1378-84. PMC: PMC4021782, PMID: 24717341
31. Bao W, Tobias DK, Bowers K, Chavarro J, Vaag A, Grunnet LG, Strøm M, Mills J, Liu A, Kiely M, Zhang C (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):1047-55. PMC: PMC4209161, PMID: 24841449
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. PMC: PMC4115152, PMID: 25073782
33. 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):378-84. PMID: 25005791
34. Tobias DK, Bao W (2014). Diet during pregnancy and gestational weight gain. *Current Nutrition Reports*, 3(3):289-297.
35. 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. PMC: PMC4199062, PMID: 25252963
36. Zhang C, Tobias DK, Chavarro JE, Bao W, Wang D, Ley SH, Hu FB (2014). Adherence to healthy lifestyle and risk of gestational diabetes mellitus: prospective cohort study. *BMJ*, 349:g5450. PMC: PMC4180295, PMID: 25269649
37. 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. PMC: PMC4215843, PMID: 25360605
38. Zhang C, Hu FB, Olsen SF, Vaag A, Gore-Langton R, Chavarro JE, Bao W, Yeung E, Bowers K, Grunnet LG, Sherman S, Kiely M, Strøm M, Hansen S, Liu A, Mills J, Fan R (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*

Obstetricia et Gynecologica Scandinavica, 93(11):1123-30. PMC: PMC4205761, PMID: 24828694

39. 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):2485-91. PMC: PMC4221538, PMID: 25303998
40. 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):529-37. PMID: 25715415
41. 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: Clinical and Experimental*, 64(6):756-64. PMC: PMC4625979, PMID: 25749468
42. Bao W, Yeung E, Tobias DK, Hu FB, Vaag AA, Chavarro JE, Mills JL, Grunnet LG, Bowers K, Ley SH, Kiely M, Olsen SF, Zhang C (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):1212-9. PMC: PMC4629783, PMID: 25796371
43. 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):16483-96. PMC: PMC4519961, PMID: 26204833
44. 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):447-52. PMID: 26002813
45. 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):43-9. PMC: PMC4686844, PMID: 26577416
46. 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. PMC: PMC5115165, PMID: 26759275
47. 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):375-81. PMC: PMC4733253, PMID: 26762369
48. 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):160-9. PMC: PMC4881834, PMID: 26748845
49. Zhu Y, Olsen SF, Mendola P, Yeung EH, Vaag A, Bowers K, Liu A, Bao W, Li S, Madsen C, Grunnet LG, Granström C, Hansen S, Martin K, Chavarro JE, Hu FB, Langhoff-Roos J, Damm

- P, Zhang C (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. PMC: PMC4763496, PMID: 26817507
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 51. 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. PMC: PMC5878679, PMID: 27457641
 52. Bao W (2016). Fish Intake During Pregnancy and Offspring Adiposity. *JAMA Pediatrics*, 170(8):808-9. PMID: 27323005
 53. 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):1756-61. PMC: PMC4997275, PMID: 27511926
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 55. 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. PMC: PMC5079637, PMID: 27468747
 56. 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):R231-45. PMID: 27334332
 57. Wu L, Jin L, Shi T, Zhang B, Zhou Y, Zhou T, Bao W, Xiang H, Zuo Y, Li G, Wang C, Duan Y, Peng Z, Huang X, Zhang H, Xu T, Li Y, Pan X, Xia Y, Gong X, Chen W, Liu Y (2017). Association between ambient particulate matter exposure and semen quality in Wuhan, China. *Environment International*, 98:219-228. PMID: 27866723
 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. PMC: PMC6331052, PMID: 27830277
 59. Chen S, Jin X, Shan Z, Li S, Yin J, Sun T, Luo C, Yang W, Yao P, Yu K, Zhang Y, Cheng Q, Cheng J, Bao W, Liu L (2017). Inverse Association of Plasma Chromium Levels with Newly Diagnosed Type 2 Diabetes: A Case-Control Study. *Nutrients*, 9(3). PMC: PMC5372957, PMID: 28304331

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61. Liu B, Lehmler HJ, 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. PMC: PMC5751959, PMID: 29308453
62. 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.e1. PMC: PMC5578760, PMID: 28641758
63. Shostrom DCV, 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. PMC: PMC5483836, PMID: 28694789
64. Yin J, Jin X, Shan Z, Li S, Huang H, Li P, Peng X, Peng Z, Yu K, Bao W, Yang W, Chen X, Liu L (2017). Relationship of Sleep Duration With All-Cause Mortality and Cardiovascular Events: A Systematic Review and Dose-Response Meta-Analysis of Prospective Cohort Studies. *Journal of the American Heart Association*, 6(9). PMC: PMC5634263, PMID: 28889101
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68. Yang M, Bao W, Zhang X, Kang Y, Haffty B, Zhang L (2017). Short-term and long-term clinical outcomes of uncommon types of invasive breast cancer. *Histopathology*, 71(6):874-886. PMID: 28746732
69. Zhang B, Zhao Q, Guo W, Bao W, Wang X (2018). Association of whole grain intake with all-cause, cardiovascular, and cancer mortality: a systematic review and dose-response meta-analysis from prospective cohort studies. *European Journal of Clinical Nutrition*, 72(1):57-65. PMID: 29091078
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consumption of a high fat diet in apolipoprotein-E knockout mice. *Biomedicine & Pharmacotherapy*, 97:1639-1644. PMID: 29793326

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73. Bao W, Song Y, Bertrand KA, Tobias DK, Olsen SF, Chavarro JE, Mills JL, Hu FB, Zhang C (2018). Prepregnancy habitual intake of vitamin D from diet and supplements in relation to risk of gestational diabetes mellitus: A prospective cohort study. *Journal of Diabetes*, 10(5):373-379. PMC: PMC5882592, PMID: 28976079
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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. Diabetes and obesity
2. Nutrition and physical activity
3. Maternal and child health
4. Life course epidemiology
5. Chronic disease epidemiology
6. Molecular Epidemiology (including Metabolomics)
7. Genetic epidemiology (including genomics and epigenomics)
8. Developmental origins of health and disease (DOHaD)

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
Huazhong University of Science and Technology <i>Plasma HO-1 levels, ferritin, and HO-1 gene polymorphisms in individuals with type 2 diabetes mellitus</i> Wei Bao, <i>Principal Investigator, Huazhong University of Science and Technology</i>		01/01/2010-12/31/2011
NIH Office of Dietary Supplements (ODS) <i>Supplemental Iron and Gestational Diabetes</i> Katherine Bowers, <i>Co-Principal, NIH</i> Wei Bao, <i>Co-Principal, NIH</i>		01/01/2012-12/31/2013

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
University of Iowa <i>Exposure to environmental obesogen tributyltin during pregnancy in association with maternal obesity and gestational weight gain</i> Wei Bao, Principal Investigator, University of Iowa		01/01/2016-12/31/2017
NIEHS/NIH P30 ES005605 University of Iowa <i>Tributyltin exposure from seafood consumption in relation to obesity and diabetes prevalence in a nationally representative population</i> Wei Bao, Principal Investigator, University of Iowa		01/01/2016-12/31/2017
University of Iowa <i>Establishing a new collaboration with Chinese partners for global maternal and child health research</i> Wei Bao, Principal Investigator, University of Iowa		01/01/2016-12/31/2016
University of Iowa <i>Prospective investigation of maternal tributyltin exposure during early pregnancy and neonatal birth size</i> Wei Bao, Principal Investigator, University of Iowa		01/01/2016-12/31/2016
University of Iowa <i>Gestational diabetes in relation to cardiovascular health status and cardiovascular disease risk in US women</i> Wei Bao, Principal Investigator, University of Iowa		04/01/2016-03/31/2017
University of Iowa <i>Nontraditional glycemic markers in early pregnancy as predictors of gestational diabetes</i> Wei Bao, Principal Investigator, University of Iowa		09/01/2016-08/31/2017

Source Title P.I.	Number of Months % Effort	Direct Funds Period of Funding
University of Iowa <i>Exposure to individual and multiple environmental chemicals among lactating women in the United States</i> Wei Bao, <i>Principal Investigator, University of Iowa</i>		09/01/2016-03/31/2017
University of Iowa <i>A nationwide population-based study of environmental endocrine disruptors and impaired glucose metabolism in pregnancy</i> Wei Bao, <i>Principal Investigator, University of Iowa</i>		07/01/2017-06/30/2018
University of Iowa <i>Ambient Air Pollution and Reproductive Health among Women in Wuhan, China</i> Wei Bao, <i>Principal Investigator, University of Iowa</i>		07/01/2017-06/30/2018
1R21HD091458 NIH <i>Pregnancy-associated microRNAs in plasma as predictors of gestational diabetes</i> Wei Bao, <i>Principal Investigator, University of Iowa</i>		07/10/2017-06/30/2019
The Rockefeller Foundation <i>Community-based youth obesity initiatives in Colorado and Iowa</i> Laura Bellows, <i>Co-Principal, Colorado State University</i> Wei Bao, <i>Co-Principal, University of Iowa</i> Linda G. Snetselaar, <i>Site-PI, University of Iowa</i> Andrea Tracy, <i>Site-PI, Grinnell College</i> Nicholas G. Benson, <i>Co-Investigator, University of Iowa</i>		11/01/2018-10/31/2019

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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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
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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
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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
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<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
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
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

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
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
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

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
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
September 18, 2017	Molecular epidemiologic study in identifying new biomarkers for gestational diabetes (Bao W)	Frontiers in Obesity, Diabetes and Metabolism, University of Iowa Fraternal Order of Eagles Diabetes Research Center, Iowa City, Iowa, United States	Seminar

<u>Year</u>	<u>Title</u>	<u>Organization</u>	<u>Presentation Type</u>
November 29, 2017	The link between plastic food containers and obesity (Bao W)	Science Café, University of Iowa Environmental Health Sciences Research Center and Institute for Clinical and Translational Science, Fairfield, Iowa, United States	Seminar
February 15, 2018	Endocrine Disruptors and Obesity Epidemic (Bao W)	Epidemiology Seminar Series, Department of Epidemiology, University of Iowa College of Public Health, Iowa City, Iowa	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
2013-2019	BMC Endocrine Disorders	Associate Editor
2014-2018	Scientific Reports	Editorial Board
2016-Present	BMC Nutrition	Section Editor
2016-Present	Frontiers in Endocrinology	Associate Editor

2. Review Panels

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2016-Present	National Institutes of Health (NIH)	Reviewer, Grant Proposals
2016-Present	US Department of Defense	Reviewer, Grant Proposals
2017-Present	Diabetes UK	Reviewer, Grant Proposals
2018-Present	The Medical Research Council (MRC) of the United Kingdom	Reviewer, Grant Proposals

3. Professional Organizations (state and/or national)

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

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2012-Present	Society for Pediatric and Perinatal Epidemiologic Research (SPER)	
2013-Present	American Diabetes Association (ADA)	
2014-Present	American Heart Association/American Stroke Association (AHA/ASA)	
2016-Present	American Society for Nutrition (ASN)	
2018	American Heart Association/American Stroke Association (AHA/ASA)	Poster Professor

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
2015-Present	Diabetes	Reviewer, Publications
2015-Present	Journal of the Academy of Nutrition and Dietetics	Reviewer, Publications

<u>Year</u>	<u>Organization</u>	<u>Position</u>
2016-Present	Human Reproduction	Reviewer, Publications
2018-Present	BMJ	Reviewer, Publications
2018-Present	JAMA Network Open	Reviewer, Publications
2018-Present	JAMA Pediatrics	Reviewer, Publications
2018-Present	Lancet Planetary Health	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
2018	CPH Outstanding Alumni Awards Selection Committee	Attendee

F. Media Contributions

<u>Name</u>	<u>Date</u>	<u>Media Type</u>
CBS News https://www.cbsnews.com/news/u-s-autism-rates-appear-to-be-stabilizing/	January 2, 2018	Newspaper
KCRG-TV9 https://www.kcrg.com/content/news/UI-analysis-shows-more-kids-diagnosed-with-autism-467764633.html	January 2, 2018	TV
Los Angeles Times http://www.latimes.com/science/sciencenow/la-sci-sn-autism-prevalence-stabilized-20180102-story.html	January 2, 2018	Newspaper
U.S. News https://www.usnews.com/news/healthiest-communities/articles/2018-01-02/autism-spectrum-disorders-in-us-kids-hit-apparent-plateau	January 2, 2018	Newspaper
Iowa Public Radio http://iowapublicradio.org/post/iowa-flu-update Dr. Wei Bao of the University of Iowa shares his latest research on autism diagnoses.	January 5, 2018	Radio
AP News https://apnews.com/34a9adb8e1b643a88eb73e1c64538b00	May 15, 2018	Newspaper
Washington Times https://www.washingtontimes.com/news/2018/may/15/more-people-are-trying-e-cigarettes-less-are-stick	May 15, 2018	Newspaper
U.S. News https://health.usnews.com/health-care/articles/2018-06-08/allergies-more-common-in-kids-with-autism	June 10, 2018	Newspaper
UPI https://www.upi.com/Health_News/2018/06/08/Research-finds-allergies-more-common-in-kids-with-autism/7031528476498/	June 10, 2018	Newspaper
KCRG-TV9 https://www.kcrg.com/content/news/UI-study-looks-into-link-between-food-aller-485186041.html	June 11, 2018	TV
CNBC https://www.cnbc.com/2018/08/31/adhd-diagnosed-in-about-10-percent-of-us-children-study-finds.html	August 31, 2018	Internet

<u>Name</u>	<u>Date</u>	<u>Media Type</u>
CNN https://www.cnn.com/2018/08/31/health/adhd-trends-study-partner/index.html	August 31, 2018	Internet
Washington Post https://www.washingtonpost.com/national/health-science/adhd-numbers-are-rising-and-scientists-are-trying-to-understand-why/2018/09/07/a918d0f4-b07e-11e8-a20b-5f4f84429666_story.html	September 10, 2018	Newspaper
Science Daily https://www.sciencedaily.com/releases/2018/09/180917191843.htm	September 17, 2018	Internet
Medical Xpress https://medicalxpress.com/news/2018-09-reveals-current-diabetes-american-adults.html	September 18, 2018	Internet
CBS2/FOX28 https://cbs2iowa.com/news/local/new-study-finds-childrens-adhd-diagnoses-on-the-rise	September 20, 2018	TV
UPI https://www.upi.com/Another-study-finds-autism-in-1-in-40-children/4821543874343/	December 3, 2018	Newspaper
US News https://health.usnews.com/health-care/articles/2018-12-03/another-tally-puts-autism-cases-at-1-in-40	December 3, 2018	Newspaper
Iowa Public Radio http://www.iowapublicradio.org/post/sen-elizabeth-warren-brings-presidential-bid-iowa#stream/0 Dr. Wei Bao discusses a new report identifying Iowa as the fourth most obese state in the country.	January 4, 2019	Radio
CNN https://us.cnn.com/2019/01/23/health/fried-food-fish-chicken-higher-risk-of-death-intl/index.html	January 23, 2019	Internet
Daily Mail https://www.dailymail.co.uk/health/article-6624285/Deep-fried-fish-chicken-increase-womens-early-death-risk-13-study-finds.html	January 23, 2019	Newspaper
New York Times https://www.nytimes.com/2019/01/23/well/eat/fried-foods-tied-to-heart-disease-in-women.html	January 23, 2019	Newspaper

<u>Name</u>	<u>Date</u>	<u>Media Type</u>
TIME http://time.com/5509669/fried-foods-death-risk/	January 23, 2019	Newspaper
CBS2/Fox28 https://cbs2iowa.com/news/local/fried-chicken-shellfish-linked-to-higher-risk-of-heart-related-deaths-in-older-women	January 25, 2019	TV