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Department of Nutrition
University of North Carolina at Chapel Hill
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EDUCATION

- 2001 - 2003 **Postdoctoral fellowship** (Nutritional Epidemiology)
Carolina Population Center
University of North Carolina at Chapel Hill
Mentor: Dr. Barry M. Popkin
- 1996 **Doctor of Philosophy**
Epidemiology
Tongji Medical College, Huazhong University of Science and Technology
Thesis: Etiology and survival analysis of prostate cancer in Wuhan, China
Advisors: Drs. Shangpu He and Luyuan Shi
- 1990 **Master of Science**
Biostatistics
Tongji Medical College, Huazhong University of Science and Technology
Thesis: Epidemiological study on the risk factors of postpartum hemorrhage
Advisor: Dr. Xiaoxian Liu
- 1987 **Doctor of Medicine**
Tongji Medical College, Huazhong University of Science and Technology

PROFESSIONAL EXPERIENCE

- 2015 - present **Research Associate Professor**
Department of Nutrition, University of North Carolina at Chapel Hill
- 2008 - 2015 **Research Assistant Professor**
Department of Nutrition, University of North Carolina at Chapel Hill
- 2004 – 2008 **Project and Data Manager**
Carolina Population Center, University of North Carolina at Chapel Hill
- 2001 – 2004 **Research Associate**
Carolina Population Center, University of North Carolina at Chapel Hill

- 1999 – 2001 **Associate Chair**
Department of Public Health Nutrition
Institute of Nutrition and Food safety, China Centers for Disease Control and
Prevention, Beijing, China
- 1998 – 2001 **Associate Professor**
Institute of Nutrition and Food safety, China Centers for Disease Control and
Prevention, Beijing, China
- 1996 – 1998 **Assistant Professor**
Institute of Nutrition and Food safety, China Centers for Disease Control and
Prevention, Beijing, China
- 1990 – 1996 **Junior Faculty Member**
Department of Biostatistics and Epidemiology
Tongji Medical College, Huazhong University of Science and Technology

HONORS

- 2006 The 3rd –class Award for Progress in Science and Technology, Ministry of
Health of China
- 2002 Danone Institute Award for Mid-Career Nutrition Leadership
- 2001 Danone Institute Award for Mid-Career Nutrition Leadership
- 1992 Excellence in Teaching Award, Tongji Medical College, Huazhong
University of Science and Technology

MEMBERSHIPS

- 2008 – present Member, American Society for Nutrition
- 2008 – present Member, The Obesity Society

BIBLIOGRAPHY

Books and Chapters

1. Mendez MA, **Du S**, and Popkin BM. (2004). Urbanization, income and the nutrition transition in China: a case study. In: Globalization of food systems in developing countries: impact on food security and nutrition. FAO Food and Nutrition Paper 83. Rome, FAO, PP169-194.
2. **Du S**, Lu B, Zhai F, and Popkin BM. (2002). The nutrition transition in China: a new stage of the Chinese diet. In: The Nutrition Transition: Diet-Related Diseases in the Modern World. (Caballero B and Popkin BM eds.) London, Academic Press, PP205-221.
3. **Du S**. (1999). Growth and development of children and adolescents of 0-18 years old. In: The Dietary and Nutritional Status of Chinese Population B Children and Adolescents. Volume 2. (Ge K ed.) Beijing, People's Medical Publishing House. PP12-24.

4. **Du S** and Shi L. (1998). Progress of epidemiological study on prostate cancer: A review. In Li Zhu ed. Progress of Epidemiology, volume 9. Beijing, China Science and Technique Publishing House. PP71-86.
5. **Du S**. (1992). Introduction to SAS software. In: SAS and Medical Data Analysis. (Liu X, ed.) Wuhan, Publishing House of Tongji Medical University. PP1-17.

Refereed papers/articles

1. Zang J, Shen M, **Du S**, Chen T, Zou S. (2015). The Association between Dairy Intake and Breast Cancer in Western and Asian Populations: A Systematic Review and Meta-Analysis. *J Breast Cancer*. 18(4):313-22.
2. Piernas C, Wang D, **Du S**, Zhang B, Wang Z, Su C, Popkin BM. (2015). The double burden of under- and overnutrition and nutrient adequacy among Chinese preschool and school-aged children in 2009-2011. *European Journal of Clinical Nutrition*. 69(12):1323-9. doi: 10.1038/ejcn.2015.106. Epub 2015 Jul 1.
3. Zang J, Song J, Wang Z, Yao C, Ma J, Huang C, Zhu Z, Smith LP, Du S, Hua J, Seto E, Popkin BM, Zou S. (2015). Acceptability and feasibility of smartphone-assisted 24 h recalls in the Chinese population. *Public Health Nutrition*. 18(18):3272-7. doi: 10.1017/S1368980015000907. Epub 2015 Apr 10.
4. Zhou Y, **Du S**, Su C, Zhang B, Wang H, Popkin BM (2015). The food retail revolution in China and its association with diet and health. *Food Policy*. 55: 92-100.
5. Jaacks LM, **Du S**, Mendez MA, Crandell J, Liu W, Ji L, Rosamond W, Popkin BM, Mayer-Davis EJ. (2015). Comparison of the dietary intakes of individuals with and without type 1 diabetes in China. *Asia Pacific Journal of Clinical Nutrition*. 24(4):639-49. doi: 10.6133/apjcn.2015.24.4.03.
6. Attard S, Herring AH, Zhang B, **Du S**, Popkin BM, Gordon-Larsen P. (2015). Associations between age, cohort, and urbanization with SBP and DBP in China: A population-based study across 18 years. *Journal of Hypertension*. 33 (5): 948-956.
7. Zhao HQ, Wu H, Meng R, Du S, Tao SJ. (2015). Distribution of serum transferrin, and its associations with metabolic disorders among Chinese: A nation-wide, health and nutrition survey. *Molecular Nutrition and Food Research*. 59(8):1535-40. doi: 10.1002/mnfr.201500038. Epub 2015 May 28.
8. Attard SM, Howard AG, Herring AH, Zhang B, Du S, Aiello AE, Popkin BM, Gordon-Larsen P. (2015). Differential associations of urbanicity and income with physical activity in adults in urbanizing China: findings from the population-based China Health and Nutrition Survey 1991-2009. *International Journal of Behavioral Nutrition and Physical Activity*. 12:152. doi: 10.1186/s12966-015-0321-2.
9. Liang Y, Song A, **Du S**, Guralnik JM, Qiu C. (2015). Trends in disability in activities of daily living among Chinese older adults, 1997-2006: the China Health and Nutrition Survey. *Journals of Gerontology: Medical Sciences*. 1-7. doi: 10.1093/gerona/glu204. [Epub ahead of print].
10. Peat CM, Holle AV, Watson HJ, Huang L, Thornton LM, Zhang B, **Du S**, Kleiman SC, and Bulik CM. (2015). The association between internet and television access and disordered eating in a Chinese sample. *International Journal of Eating Disorders*. 48(6): 663-9. doi: 10.1002/eat.22359. [Epub ahead of print].

11. Li J, Shi J, Huang W, Sun J, Wu Y, Duan Q, Luo J, Lange LA, Gordon-Larsen P, Zheng SL, Yuan W, Wang Y, Popkin BM, Mo Z, Xu J, **Du S**, Mohlke KL, Lange EM. (2015). A variant near FGF5 has stronger effects on blood pressure in Chinese with a higher body mass index. *American Journal of Hypertension*. 28(8):1031-7. doi: 10.1093/ajh/hpu263. Epub 2015 Jan 23.
12. Jaacks LM, Crandell J, Mendez MA, Lamichhane AP, Liu W, Ji L, **Du S**, Rosamond W, Popkin BM, Mayer-Davis EJ. (2015). Dietary patterns associated with HbA1c and LDL-cholesterol among individuals with type 1 diabetes in China. *J Diabetes Complications*. 29(3): 343-9. doi: 10.1016/j.jdiacomp.2014.12.014. [Epub ahead of print].
13. Jaacks LM, Liu W, Ji L, Mendez M, **Du S**, Crandell J, Rosamond W, Mayer-Davis EJ. (2015). Diabetes nutrition therapy and dietary intake among individuals with type 1 diabetes in China. *Diabetic Medicine*. 32(3): 399-406. doi: 10.1111/dme.12634. [Epub ahead of print].
14. Watson HJ, Hamer RM, Thornton LM, Peat CM, Kleiman SC, **Du S**, Wang H, and Bulik CM. (2015). Prevalence of screening-detected eating disorders in Chinese females and exploratory associations with dietary practices. *European Eating Disorders Review*. 23(1): 68-76. doi: 10.1002/erv.2334. [Epub ahead of print].
15. **Du S**, Neiman A, Batis C, Wang H, Zhang B, Zhang J and Popkin BM. (2014). Understanding the patterns and trends of sodium intake, potassium intake, and sodium to potassium ratio and their impact on hypertension in China. *American Journal of Clinical Nutrition*; 99 (2): 334-43.
16. **Du SF**, Wang HJ, Zhang B, Zhai FY, and Popkin BM. (2014). China in the period of transition from scarcity and extensive undernutrition to emerging nutrition-related non-communicable diseases, 1949–1992. *Obesity Reviews*; 15 (Suppl. 1): 8-15.
17. Liang Y, Liu R, **Du S**, Qiu C. (2014). Trends in incidence of hypertension in Chinese adults, 1991-2009: The China Health and Nutrition Survey. *International Journal of Cardiology*; 175(1):96-101. doi: 10.1016/j.ijcard.2014.04.258.
18. Zhai FY, **Du SF**, Wang ZH, Zhang JG, Du WW, and Popkin BM. (2014). Dynamics of the Chinese diet and the role of urbanicity, 1991–2011. *Obesity Reviews*; 15 (Suppl. 1): 16-26.
19. Zhang B, Zhai FY, **Du SF**, and Popkin BM. (2014). The China Health and Nutrition Survey, 1989–2011. *Obesity Reviews*; 15 (Suppl. 1): 2-7.
20. Smith LP, Hua J, Seto E, **Du S**, Zang J, Zou S, Popkin B, Mendez M. (2014). Development and validity of a 3-day smartphone-assisted 24-hour recall to assess beverage consumption in a Chinese population *Asia Pacific Journal of Clinical Nutrition*. 23(4):678-90.
21. Adair LS, Gordon-Larsen P, **Du SF**, Zhang B, and Popkin BM. (2014). The emergence of cardiometabolic disease risk in Chinese children and adults: consequences of changes in diet, physical activity and obesity. *Obesity Reviews*; 15 (Suppl. 1): 49-59.
22. Thompson AL, Houck KM, Adair L, Gordon-Larsen P, **Du S**, Zhang B, and Popkin B. (2014). Pathogenic and Obesogenic Factors Associated with Inflammation in Chinese Children, Adolescents and Adults. *American Journal of Human Biology*; 26(1): 18-28. doi: 10.1002/ajhb.22462.
23. Han LL, Wang YX, Li J, Zhang XL, Bian C, Wang H, Du S, Suo LN. (2014). Gender differences in associations of serum ferritin and diabetes, metabolic syndrome, and obesity in the China Health and Nutrition Survey. *Mol Nutr Food Res*. 58(11):2189-95.
24. Gordon-Larsen P, Adair LS, Meigs JB, Mayer-Davis E, Herring A, Yan SK, Zhang B, **Du S**, Popkin BM. (2013). Discordant risk: Overweight and cardiometabolic risk in Chinese adults. *Obesity (Silver Spring)*; 21(1): E166-74.

25. Batis C, Gordon-Larsen P, Cole SR, **Du S**, Zhang B, Popkin B. (2013). Sodium intake from various time frames and incident hypertension among Chinese adults. *Epidemiology*; 24(3):410-8.
26. Yan S, Li J, Li S, Zhang B, **Du S**, Gordon-Larsen P, Adair L, Popkin B. (2012). The expanding burden of cardiometabolic risk in China: the China Health and Nutrition Survey. *Obesity Reviews*; 13(9): 810-21.
27. He K, **Du S**, Xun P, Sharma S, Wang H, Zhai F, Popkin B. (2011). Consumption of monosodium glutamate in relation to incidence of overweight in Chinese adults: China Health and Nutrition Survey (CHNS). *American Journal of Clinical Nutrition*; 93(6):1328-36.
28. Parvanta SA, Brown JD, **Du S**, Zimmer CR, Zhao X, Zhai F. (2010). Television use and snacking behaviors among children and adolescents in China. *Journal of Adolescent Health*; 46: 339-345.
29. Popkin BM, **Du S**, Zhai F and Zhang B. (2010). Cohort Profile: The China Health and Nutrition Survey—monitoring and understanding socio-economic and health change in China 1989–2011. *International Journal of Epidemiology*; 39(6): 1435-40.
30. Zhai F, Wang H, **Du S**, He Y, Wang Z, Ge K, Popkin BM. (2009). Prospective study on nutrition transition in China. *Nutrition Reviews*; 67(Suppl 1): S56-61.
31. Wang Z, Zhai F, **Du S**, Popkin BM. (2008). Dynamic shifts in Chinese eating behaviors. *Asia Pacific Journal of Clinical Nutrition*; 17(1): 123-130.
32. Wang H, **Du S**, Zhai F, Popkin BM. (2007). Trends in the distribution of body mass index among Chinese adults, aged 20-45 years (1989-2000). *International Journal of Obesity (London)*; 31(2): 272-8.
33. Zhai F, Wang H, **Du S**, He Y, Wang Z, Ge K, Popkin BM. (2007). Lifespan nutrition and changing socio-economic conditions in China. *Asia Pacific Journal of Clinical Nutrition*; 16 (Suppl 1):374-82.
34. Tudor-Locke C, Ainsworth BE, Adair LS, **Du S**, Lee N, Popkin BM. (2007). Cross-sectional comparison of physical activity and inactivity patterns in Chinese and Filipino youth. *Care, Health and Development*; 33(1): 59-66.
35. Popkin BM, Kim S, Rusev ER, **Du S**, Zizza C. (2006). Measuring the full economic costs of diet, physical activity and obesity-related chronic diseases. *Obesity Reviews*; 7(3):271-93.
36. Wang HJ, Zhai FY, **Du SF**, Wang ZH. (2006). Trend of distribution of body mass index among Chinese adults in some provinces from 1989 to 2000. *Journal of Hygiene Research*; 35(6):794-7.
37. Zhai F, Wang H, Wang Z, He Y, **Du S**, Yu W, Li J. (2006). Trends and policy implications of dietary status in Chinese residents. *Food and Nutrition in China*; 5: 4-6.
38. Zhai F, Wang H, **Du S**, He Y, Wang Z, Ge K, Popkin BM. (2006). Dietary patterns and nutritional status of Chinese population. *Journal of Medical Research*; 35(5): 3-6.
39. Wang HJ, Zhai FY, He Y, **Du S**, Hao H. (2004). Trends in Overweight among Chinese Adult in some provinces from 1989 to 2000. *Acta Nutrimenta Sinica*; 26(5): 321-332.
40. **Du S**, Mroz T, Zhai F and Popkin BM. (2004). Rapid income growth adversely affects diet quality in China—particularly for the poor! *Social Sciences and Medicine*; 59: 1505-1515.
41. Wang Z, Hao H, **Du S**, Zhai F. (2004). Comparative study on different overweight reference applied on analyzing growth of Chinese children and adolescents. *Journal of Hygiene Research*; 33(6): 740-743.

42. Hao H, Wang H, Zhai F, **Du S**, Yu W. (2004). The dietary and nutrition status and the dynamic trends of the adult women in rural area: an eight provinces case study in China. *Food and Nutrition in China*; 52(1): 43-46.
43. Wallingford, JC, Yuhas R, **Du S**, Zhai F, and Popkin BM. (2004). Fatty acids in Chinese edible oils: Evidence for unexpected impact in changing diet. *Food and Nutrition Bulletin*; 25(4): 330-336.
44. Wang HJ, Zhai F, and **Du S**. (2004). The changing trend of food consumption in Chinese adult. *Nutrition Newsletters*; 22(3): 30-32.
45. Wang H, Zhai F, **Du S**, Wang Z, He Y. (2004). Trends in overweight among Chinese adults in some provinces from 1989 to 2000. *Acta Nutrimenta Sinica*; 26: 329-332.
46. Waller CW, **Du S**, and Popkin BM. (2003). Patterns of Overweight, Inactivity, and Snacking in Chinese Children. *Obesity Research*; 11: 957-961.
47. Tudor-Locke C, Ainsworth BE, Adair LS, Popkin BM, **Du S**. (2003). Physical activity and inactivity in Chinese school-aged youth: The China Health and Nutrition Survey. *International Journal of Obesity*; 27: 1093-1099.
48. Popkin BM and **Du S**. (2003). Dynamics of the nutrition transition toward the animal foods sector in China and its implications: A worried perspective. *Journal of Nutrition*; 133: 3898s-3906s.
49. Hao H, **Du S**, Fu D, Jia F, Wang C, Zhai F. (2003). Why prevalence of anemia is low in women in Ningxia. *Disease Surveillance*; 12: 14-16.
50. Wang H, Zhai F, **Du S**, Ge K, Popkin BM. (2003). The changing trend of dietary fat intake of Chinese population – An eight provinces case study in China. *Acta Nutrimenta Sinica*; 26: 329-332.
51. **Du S**, Lu B, Zhai F, and Popkin BM. (2002). A new stage of the nutrition transition in China. *Public Health Nutrition*; 5(1A): 169-174.
52. Zhai F, Fu D, **Du S**, Ge K, Chen C, Popkin BM. (2002). What is China doing in policy-making to push back the negative aspects of the nutrition transition? *Public Health Nutrition*; 5(1A): 273-277.
53. Wang H, Zhai F, and **Du S**. (2002). Shifts in dietary structure of Chinese adults in eight province. *Acta Nutrimenta Sinica*; 24(4): 342-346.
54. **Du S**, Lu B, Wang Z, Zhai F, Popkin BM. (2001). Transition of dietary pattern in China. *Journal of Hygiene Research*; 30(4): 221-225.
55. **Du S**, Zhai F, Ge K, Chen C. (2001). Distributions of body mass index of Chinese adults. *Journal of Hygiene Research*; 30(6): 339-342.
56. Zhao L, Hao H, **Du S**, Zhai. (2001). Distribution and trends of body mass index in adults of eight provinces in China. *Food and Nutrition in China*; 4: 3-5.
57. Luo W, Zhai F, Jin S, Yu W, Ma L, **Du S**. (2001). The intra-household food distribution in Chinese adult and its determinants. *Acta Nutrimenta Sinica*; 4: 358-362.
58. **Du S**, Zhai F, Wang Y, Popkin BM. (2000). Current methods for estimating dietary iron bioavailability do not work in China. *Journal of Nutrition*; 130(2): 193-198.
59. Zhai F, Wang H, and **Du S**. (2000). Analysis of nutritional status of Chinese women. *China Food and Nutrition*; 1: 1-5.
60. Wang H, Zhai F, and **Du S**. (2000). Impacts of social-economic level on nutritional status of Chinese women. *Foreign Medical Sciences—Hygiene Section*; 6: 220-224.

61. Zhao L, Zhai F, Hao H, **Du S**, He Y, and Li Y. (1999). The influential factors for the growth and development of preschool children in the poor areas of China. *Acta Nutrimenta Sinica*; 21(3): 299-305.
62. **Du S**, Shi L, Zhu W, and Zhai F. (1997). Epidemiological study on human prostate cancer in Wuhan City. *Journal of Hygiene Research*; 26(5): 356-359.
63. **Du SF**, Shi LY, Zhang HJ and He SP. (1997). Study on quality of life in patients with prostate cancer. *Chinese Journal of Epidemiology*; 18(2): 95-97.
64. **Du S**, Shi L, Zhang H, and He S. (1997). Relationship between dietary nutrients intake and human prostate cancer. *Journal of Hygiene Research*; 26(2): 122-125.
65. **Du S**, Shi L, Zhang H, He S, and Zhai F. (1997). Survival analysis of patients with prostate cancer. *Chinese Journal of Epidemiology*; 18(Suppl.): 571-572.
66. **Du S**. Study progress on molecular biology of prostate cancer: A review. (1997). *Foreign Medical Sciences— Cancer Section*; 24(Suppl.): 302-304.
67. **Du S**, Zhai F, Yan H, and Lin H. (1996). Physical status of preschool children in China. *Journal of Hygiene Research*; 25(Suppl.): 98-102.
68. **Du S**, Shi L, Zhang H, Zhang Z, and Zuo J. (1996). Analysis of risk factors of prostate cancer. *Chinese Journal of Epidemiology*. 17(suppl): 232-233.
69. **Du SF**, Shi LY, He SP, Zhang HJ, Zhang ZQ, and Zuo JM. (1996). A case-control study of prostate cancer. *Chinese Journal of Epidemiology*; 17(6): 343-345.
70. **Du S**. (1995). Epidemiological research on prostate cancer: A review. *Foreign Medical Sciences— Social Medicine Section*; 12(2): 60-64.
71. Li C, Fang P, **Du S**, Jia G, and Liu X. (1995). A study on human resources of grassroots and middle-level maternal and child health care institutes in China. *Medicine and Society*; 8(3): 5-8.
72. Fang P, Li C, **Du S**, Wu S, and Liu X. (1995). The evaluation of maternal and child health service utilization in Chinese urban and rural areas. *Medicine and Society*; 8(3): 9-12.
73. **Du S**, Li C, Fang P, Hu M, and Liu X. (1995). A study on the index system of maternal and child health service in Chinese urban and rural areas. *Medicine and Society*; 8(3): 13-16.
74. Li Z, and **Du S**. (1994). Study of urban marriage. *Sociology and Social Survey*; 6: 47, 65-69.
75. **Du S**, Liu X, Hu Q, and Pi Y. (1994). Epidemiological study on the risk factors of postpartum hemorrhage. *Chinese Journal of Epidemiology*; 15(4): 206-208.

Refereed published oral presentations and/or abstracts

1. **Du S**, Du W, Zhang B, Wang H, Popkin BM. (2014). Dietary behaviors are rapidly changing in China, 1991 – 2011. *Experimental Biology 2014*. April 26 – 30. San Diego, CA. Poster presentation.
2. Wang H, Zhang B, **Du S**. (2014). Trends of body mass index among children and adolescents in China: 1997 – 2011. *Experimental Biology 2014*. April 26 – 30. San Diego, CA. Poster presentation.
3. Liu L, Li X, Li Y, **Du S**. (2014). Determination of iodine contents in breast milk and dairy products by Inductively Coupled Plasma Mass Spectrometry. *Experimental Biology 2014*. April 26 – 30. San Diego, CA. Oral presentation.
4. **Du S**, Wang H, Zhang B, Zhai F, and Popkin BM. (2013). China in the period of transition from scarcity and extensive undernutrition to emerging nutrition-related non-communicable

- diseases, 1949 – 1992. The 20th International Congress of Nutrition. September 15 – 20. Granada, Spain. Invited oral presentation.
5. Zhai F, **Du S**, Wang Z, Zhang J, Du W, and Popkin BM. (2013). Dynamics of the Chinese diet and the role of urbanicity, 1991 – 2011. The 20th International Congress of Nutrition. September 15 – 20. Granada, Spain. Invited oral presentation.
 6. Adair LS, Gordon-Larsen P, **Du S**, Zhang B, and Popkin BM. (2013). The emergence of cardiometabolic disease risk in Chinese children and adults: consequences of changes in diet, physical activity and obesity. The 20th International Congress of Nutrition. September 15 – 20. Granada, Spain. Invited oral presentation.
 7. **Du S**, Batis C, Wang H, Zhang B, and Popkin BM. (2013). Sodium, potassium, sodium to potassium ratio and hypertension in China, 1991 – 2009. Experimental Biology 2013. April 20 – 24. Boston, MA. Poster presentation.
 8. **Du S**, Batis C, Neiman A, Wang H, Zhang B, and Popkin BM. (2012). Understanding the patterns and trends of potassium intake and sodium/potassium ratio in China, 1991 – 2009. Experimental Biology 2012. April 21 – 25. San Diego, CA. Oral presentation.
 9. **Du S** and Popkin BM. (2011). Barriers to Physical Activity among Chinese Children and Adolescents, 2000 – 2009. The Obesity Society Annual Meeting. October 1 – 5. Orlando, FL. Poster.
 10. Batis C, **Du S**, Zhang B, Popkin BM. (2011). The independent longitudinal association between BMI and sodium intake and the hazard ratio of hypertension is stronger among Chinese adults at younger ages. The Obesity Society Annual Meeting. October 1 – 5, Orlando, FL. Poster.
 11. **Du S**, Zhang J, Wang H, Zhang B, Zhai F, and Popkin BM. (2011). Sodium intake in Chinese adults 1991 – 2009. Experimental Biology 2011. April 9 – 13. Washington DC. Oral presentation.
 12. **Du S**, Wang H, Wang X, and Popkin BM. (2010). Longitudinal association between weight reduction and hypertension: China Health and Nutrition Survey, 1991 – 2006. The Obesity Society Annual Meeting. October 8 – 12. San Diego, CA. Poster.
 13. **Du S**, Wang H, Wang X, and Popkin BM. (2010). Longitudinal Association between Weight Gain and Hypertension: China Health and Nutrition Survey, 1991 – 2006. Experimental Biology 2010, April 24 – 28. Anaheim, CA. Oral presentation.
 14. He K, **Du S**, Xun P, Wang H, and Popkin BM. (2010). Longitudinal Association between Monosodium Glutamate Intake and Risk of Overweight in Chinese Adults: The China Health and Nutrition Survey. Jointly 50th Cardiovascular Disease Epidemiology and Prevention Annual Conference and Nutrition, Physical Activity and Metabolism. March 2 – 5. San Francisco, CA. Poster.
 15. Lu AS, Parvanta SA, Brown JD, **Du S**, and Zhai F. (2009). Chinese couch potatoes? Trends in TV use, physical activity, and snacking behaviors among Chinese children and adolescents, 2000 – 2006. 137th Annual Meeting & Exposition. November 7 – 11. Philadelphia, PA. Oral presentation.
 16. **Du S**, Wang H, and Popkin BM. (2009). Increased weight caused increases in blood pressure and hypertension, China Health and Nutrition Survey, 1991 – 2006. Experimental Biology 2009, April 18 – 22. New Orleans, LA. Poster.
 17. Parvanta S, Brown JD, **Du S**, Zhao X, and Zhai F. (2008). TV Use and Snacking Behaviors among Children and Adolescents in China. 58th Annual Conference of the International Communication Association. May 22 – 26. Quebec, Canada. Oral presentation.

18. **Du S**, Gordon-Larsen, and Popkin BM. (2008). Dynamic Impact of Income Growth on Diet Quality in China, 1989 – 2006: An Update. *Experimental Biology 2008*, April 5 – 9. San Diego, CA. Oral presentation.
19. **Du S**, Gordon-Larsen P, and Popkin BM. (2007). Longitudinal Association between Fast Food Consumption, Physical Activity, and Screen Time with Changes in Body Mass Index and Obesity during the Transition from Adolescence to Young Adulthood. *The Obesity Society Annual Meeting*, October 20 – 24. New Orleans, LA. Poster.
20. **Du S**, Wang H, Zhang B, and Zhai F. (2007). Overweight and Obesity among Chinese Children and Adolescents Aged 2 – 18. *10th European Nutrition Conference*. July 10 – 13. Paris, France. Poster.
21. Zhai F, Wang H, Zhang B, **Du S**. (2007). Dual Burden of Malnutrition among Chinese Children and Adolescents Aged 2 – 18 Years. *10th European Nutrition Conference*. July 10 – 13. Paris, France. Oral Presentation.
22. Zhang B, Wang H, Zhai F, **Du S**. (2007). Prevention of Childhood Anemia in a Poor Mountain Area in China. *10th European Nutrition Conference*. July 10 – 13. Paris, France. Oral Presentation.
23. **Du S**, and Gordon-Larsen P. (2006). Walking and Obesity: Findings from the National Longitudinal Study of Adolescent Health. Poster presentation. *The Obesity Society Annual Meeting*, October 19 – 23. Boston, MA. Poster.
24. **Du S**. (2003). Economic and social change and its effects on dietary behavior of elderly population in China. Poster presentation. *Population Association of America Annual Meeting*, May 1 – 3. Minneapolis, MN. Poster.
25. **Du S**, Zhai F and Popkin BM. (2003). Changes in physical activity, TV viewing, and diet affect obesity in China: A longitudinal analysis. Poster presentation. *Experimental Biology 2003*, April 11 – 16. San Diego, CA. Poster.
26. **Du S**, Zhai F, Mroz T, Popkin BM. (2002). Dynamic shifts in the income effects on dietary intake by socioeconomic level, China 1989 – 1997. *Experimental Biology 2002*, April 20 – 24. New Orleans, LA. Oral presentation.
27. **Du S**, Zhai F, and Popkin BM. (2001). Trends of overweight and obesity among Chinese children. *North America Association for the Study of Obesity*, October 7 – 10. Quebec, Canada. Oral presentation.
28. **Du S**, Zhai F, and Popkin BM. (2001). Overweight and obesity trends among Chinese children and adolescents. *17th International Congress of Nutrition*, August 27 – 31. Vienna, Austria. Oral presentation.
29. Zhai F, Chang S, **Du S**, Wang H, Popkin BM, Ge K. (2001). Patterns, trends and determinants of preschool malnutrition in China. *17th International Congress of Nutrition*, August 27 – 31. Vienna, Austria. Oral presentation.
30. **Du S**, Lu B, Zhai F, Popkin BM. (2001). A new stage of the nutrition transition in China. The nutrition transition and its implications for health in the developing world, August 18 – 24. Bellagio, Italy. Oral presentation.
31. Zhai F, Fu D, **Du S**, Ge K, Chen C, Popkin BM. (2001). What is China doing in policy-making to push back the negative aspects of the nutrition transition? The nutrition transition and its implications for health in the developing world, August 18 – 24. Bellagio, Italy. Oral presentation.

32. **Du S**, Zhai F, and Popkin BM. (2001). Secular trends of overweight and obesity among Chinese children and adolescents. Experimental Biology 2001, March 31 – April 4. Orlando, Florida. Poster.
33. Lu B, **Du S**, Zhai F, Popkin BM. (2001). The nutrition transition in China: A new stage of Chinese diet. Experimental Biology 2001, March 31 – April 4. Orlando, Florida. Poster.
34. **Du S**, Zhai F, and Ge K. (2000). The distributions of body mass index in Chinese population. International Obesity Conference, April 20 – 22. Beijing. Oral Presentation.
35. **Du S**, Zhai F, Wang Y, and Popkin BM. (1999). Current methods for estimating bioavailability of dietary iron do not work in China. Experimental Biology 1999, April 17 – 21. Washington DC. Oral Presentation.

TEACHING ACTIVITIES

Courses

- 2011 – present: EPID 718 Serve as section leader for Nutrition Epidemiology students taking required course for the epidemiology minor (2 – 6 students each year). Major responsibilities include (1) grading homework, projects, and final exams; (2) answering questions during office hours; and (3) attending instructor’s weekly meeting and commenting on instructor’s lectures and student’s questions.
- 2010 – present: PATH 725 Give lectures about nutrition and cancer (20 – 40 students each year).

Student Advising

- Doctoral Committee Member: Xiaoshan Wang, PhD candidate in Biostatistics (2013)
Thesis title: Modeling Ordinal Response Data with Stochastic Regressors
- Honor Thesis Advisor: William Lee, undergraduate student (2014)
Thesis title: Determinants of Medical Insurance Participation in Rural China

CONTRACTS AND GRANTS

Current Research Grants

- Monitoring Social Change: Health, Reproduction, Aging (R01-HD30880, R01-HD38700).**
National Institute of Health, National Institute of Child Health and Human Development.
Principal Investigator: Barry M Popkin. 08/15/1994 – 5/31/2019.
Current Direct Costs: \$9,371,949; Past Direct Costs: \$8,142,837.
Role: Co-investigator and project manager.

Transition to a Western Diet and Cardiometabolic Risk: Biomarkers Derived from the Microbiome Study (R01 DK104371-01A1).

National Institute of Health, NIDDK

Principal Investigator: Penny Gordon-Larsen. 9/17/2015 – 6/30/2019.

Proposed Direct Costs: \$2,496,786.

Role: Co-investigator.

The 3C Nutrition Ancillary Study (3CNAS): assessment of dietary intake among adolescents and adults with type 1 diabetes in Beijing, China.

Principal Investigator: Elizabeth Mayer-Davis. 9/17/2013 – 6/30/2018.

Role: Co-investigator.

Current Training Grants

Nutrition-Related NCD Prevention Training in China (D43-TW007709, D43-TW009077).

National Institute of Health, Fogarty International Center.

Principal Investigator: Barry M Popkin. 06/01/2006 – 5/31/2016.

Current Direct Costs: \$1,142,731; Past Direct Costs: \$739,592.

Role: Co-investigator and project manager.

Responsibilities include (but are not limited to): (1) Preparing all application materials including proposal, budget, human subjects, and training plans; (2) Designing and directing training programs; (3) Training pre and postdoctoral trainees at UNC-CH; (4) Training researchers in China; (5) Preparing, reviewing, and revising trainees' abstracts, presentations, and manuscripts; and (6) Maintaining a Fogarty CareerTrac database for all past and current Fogarty trainees.

Under Review or Pending Funding

Inorganic Arsenic Exposure and Diabetes in the China Health and Nutrition Survey-- Toenail Arsenic as a Biomarker

National Institute of Health.

Principal Investigator: Michelle Mendez. 8/01/2017 – 7/31/2022.

Role: Co-investigator.

Completed Grants

Diet, Activity, Obesity & the Built Environment (R01-CA121152). National Institutes of Health, National Cancer Institute.

Principal Investigators Penny Gordon-Larsen and Barry M. Popkin. 7/01/2005-6/30/2010.

Direct Costs: \$1,668,551

Role: Project manager.

Determinants and Consequences of Alcohol Consumption (R01-AA12162)/Duke University
Subcontract via NIH. National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism.

Subcontract Principal Investigator: Penny Gordon-Larsen.

Project Principal Investigator: Frank Sloan. 12/01/2004-11/30/2008.

Direct Costs: \$72,678.

Role: Project Manager

Young Adult Environmental and Physical Activity Dynamics (R01-CA109831). National Institutes of Health, National Cancer Institute.

Principal Investigators: Penny Gordon-Larsen and Barry M. Popkin. 9/17/2004-8/31/2009.

Direct Costs: \$1,149,981.

Role: Project Manager

SERVICES

Ad Hoc Reviewer, Journals

American Journal of Public Health (2003)

Asia-Pacific Journal of Public Health (2004 – present)

Asia-Pacific Journal of Clinical Nutrition (2004 – present)

Circulation (2004 – present)

International Journal of Behavioral Nutrition and Physical Activity (2011 – present)

Journal of Health Economics (2012 – present)

Journal of Health, Population and Nutrition (2012 – present)

Obesity (2012 – present)

Pediatric Obesity (2012 – present)

Plos One (2012 – present)

Population Research and Policy Review (2012 – present)

Social Science and Medicine (2012 – present)

World Journal of Pediatrics (2012 – present)