

Curriculum Vitae of
GUANG GUO
March 2019

ADDRESS

Department of Sociology
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University of North Carolina
Chapel Hill, NC 27599

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CURRENT POSITIONS

- 2010- Dr. George and Alice Welsh Distinguished Professor, Department of Sociology, UNC-CH
- 2009-10 Odum Distinguished Term Professor, Department of Sociology, UNC-CH
- 2003- Professor, Department of Sociology, UNC-CH
- 2007- Faculty Fellow, Carolina Center for Genome Sciences, UNC-CH
- 1994- Faculty Fellow, Carolina Population Center, UNC-CH

EDUCATION

- 1991-93 Postdoctoral Fellow, Carolina Population Center, UNC-CH
- 1986-91 Ph.D. Sociology, Princeton University, Princeton, NJ
- 1984-86 M.A. English and American Literature and History, Beijing Foreign Studies University, China
- 1978-82 B.A. Economics, Tianjin Institute of Finance and Economics, Tianjin, China

PREVIOUS EMPLOYMENT

- 1993-99 Assistant Professor, Department of Sociology, UNC-CH
- 1999-02 Associate Professor, Department of Sociology, UNC-CH

RESEARCH INTERESTS

Integration of sociology with genomics and epigenomics in the studies of social inequality in areas such as health, income, and education. Statistical methods for social sciences.

PEER-REVIEWED PUBLICATIONS

Google Scholar Profile link:

https://scholar.google.com/citations?view_op=list_works&hl=en&user=1s711NYA AAAJ

Liu, Hexuan and **Guang Guo**. 2016. "Association of a Genetic Risk Score With Body Mass Index." *Journal of American Medical Association* 316(17):1825-1827. (a letter to the editor)

Yi Li and **Guang Guo**. 2016. Peer Influence on Aggressive Behavior, Smoking and Sexual Behavior: A Study of Randomly-Assigned College Roommates." *Journal of Health and Social Behavior* 57(3): 297-318.

Guo, Guang, Yi Li, Tianji Cai, Hongyu Wang, and Greg Duncan. 2015. Peer Influence, Genetic Propensity, and Binge Drinking: A Natural Experiment and a Replication. *American Journal of Sociology* 121(3): 705-754.

Liu, Hexuan and **Guo, Guang**. 2015. "Lifetime Socioeconomic Experiences, Historical Context, and Genetics in Shaping Body Mass in Middle and Late Adulthood." *American Sociological Review* 80(4): 705-737.

Daw, Jonathan, **Guang Guo**; and Kathleen Mullan Harris. 2015. Nurture Net of Nature: Re-Evaluating the Role of Shared Environments in Academic Achievement and Verbal Intelligence. *Social Science Research* 52:422-439.

Guang Guo, Hexuan Liu, Ling Wang, and Haipeng Shen, and Wen Hu. 2015. The genome-wide influence on human BMI depends on physical activity, life-course, and historical period. *Demography* 52: 1651-1670.

Yi Li, Hexuan Liu, and Guang Guo. 2015. Forthcoming. Does Marriage Moderate Genetic Effects for Delinquency and Violence? *Journal of Marriage and Family* 1217-1233.

Guo, Guang, Yi Li, Craig Owen, Greg Duncan, Tianji Cai, Yilan Fu and Hongyu Wang. A Natural Experiment of Peer Influences on Youth Alcohol Use. 2015. *Social Science Research* 52 193-207.

Liu, Hexuan, Yi Li, and **Guang Guo**. 2015. Gene by Social-Environment Interaction for Youth Delinquency and Violence: Thirty-Nine Aggression-related Genes. *Social Forces*. 93(3) 881-903.

Wang, L., Shen, H., Guo, G and Liu, H. 2015. "Mixture SNPs Effect on Phenotype in Genome-Wide Association Studies." *BMC Genomics* doi: 10.1186/1471-2164-16-3. (R and C++ code available upon request)

Guang Guo, Yilan Fu, Hedwig Lee, Tianji Cai, Yi Li, and Kathleen Mullan Harris Recognizing a Small Amount of Superficial Genetic Differences Across African, European and Asian Americans Helps Understand Social Construction of Race. 2014. *Demography* 51:6 2337-2342.

Guo, Guang, Victor Wang, Hexuan Liu, and Thomas Randal. 2014. Genomic Assortative Mating in Marriages. *PLoS ONE*. doi: 10.1371/journal.pone.0112322.

Yi Li, and Guang Guo. Data Quality Control in Social Surveys Using Genetic Information. 2014. *Biodemography and Social Biology* 60:2 212-228.

Brandon Wagner, Jiang Li, Hexuan Liu, **Guang Guo**. 2013. Gene-environment Correlations: Difficulties and a Natural Experiment-Based Strategy. *American Journal of Public Health*. No. S1:S152-S166

Guo, Guang, Yilan Fu, Hedwig Lee, Tianji Cai, Kathleen Mullan Harris, and Yi Li. 2014. Genetic

Bio-Ancestry and Social Construction of Racial Classification in Social Surveys in the Contemporary United States. *Demography* 51(1): 141-172.

Lee, H., D. Lee, **G. Guo**, and K. M. Harris. 2011. Trends in Body Mass Index in Adolescence and Young Adulthood in the United States: 1959-2002. *Journal of Adolescent Health* 49(6):601-08.

Daw, Jonathan and Guang Guo. 2011. The Influence of Three Genes on Whether Adolescents Use Contraception, USA 1994-2002. *Population Studies* 65: 3:253-271.

Guo, Guang, Tianji Cai, Rui Guo, Hongyu Wang and Kathleen M. Harris. 2010. "The Dopamine Transporter Gene, a Spectrum of Most Common Risky Behaviors, and the Legal Status of the Behaviors." *PLoS ONE* 5: e9352.

Guo, Guang, Jessica Halliday Hardie, Craig Owen, Jonathan K. Daw, Yilan Fu, Hedwig Lee, Amy Lucas, Emily McKendry-Smith, and Greg J. Duncan. 2009. DNA Collection in a Randomized Social Science Study of College Peer Effects. *Sociological Methodology* 39, no. 1: 1-29.

Guo, Guang, Glen H. Elder, Jr., Tianji Cai, and Nathan Hamilton. 2009. Gene-Environment Interactions: Peers' Alcohol Use Moderates Genetic Contribution to Adolescent Drinking Behavior. *Social Science Research* 38, no. 1: 213-24.

Guo, Guang and Kathryn Harker Tillman. 2009. "Trajectories of Depressive Symptoms, Dopamine D2 and D4 Receptors, Family SES and Social Support in Adolescence and Young Adulthood." *Psychiatric Genetics* 19: 14-26.

Guo, Guang. 2008. "Introduction to the Special Issue on Society and Genetics." *Sociological Methods and Research* 37: 159-163.

Guo, Guang and Daniel E. Adkins. 2008. "How is a Statistical Link Established between a Human Outcome and a Molecular Genetic Variant?" *Sociological Methods and Research* 37: 201-226.

Adkins, Daniel E. and **Guang Guo.** 2008. "Societal Development and Shifting Influence of the Genome on Status Attainment." *Research in Social Stratification and Mobility* 26:235-256.

Guo, Guang, Yuying Tong, and Tianji Cai. 2008. "Gene by Social-Context Interactions for Number of Sexual Partners among White Male Youths: Genetics-informed Sociology." *American Journal of Sociology* 114 Sppl: S36-S66.

Guo, Guang, Michael Roettger, and Tianji Cai. 2008. "The Integration of Genetic Propensities into Social Control Models of Delinquency and Violence among Male Youths." *American Sociological Review* 73:543-568.

Guo, Guang, Xiao-Ming Ou, Michael Roettger, and Jean C. Shih. 2008. "The VNTR 2-Repeat in *MAOA* and Delinquent Behavior in Adolescence and Young Adulthood: Associations and *MAOA* Promoter Activity." *European Journal of Human Genetics* 16(5):626-634.

- Guo Guang**, Yuying Tong, Cui-Wei Xie, and Leslie A. Lange. 2007. "Dopamine Transporter, Gender, and Number of Sexual Partners among Young Adults." *European Journal of Human Genetics* 15(3):279-287.
- Guo, Guang**, Michael Roettger, and Jean C. Shih. 2007. "Contributions of the *DAT1* and *DRD2* Genes to Serious and Violent Delinquency among Adolescents and Young Adults." *Human Genetics* 121(1):125-136.
- Guo, Guang**, Kirk Wilhelmsen, and Nathan Hamilton. 2007. "Gene-lifecourse Interaction for Alcohol Consumption in Adolescence and Young Adulthood: Five Monoamine Genes." *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 144B(4):417-423.
- Guo, Guang**, Kari E. North, Penny Gordon-Larsen, Cynthia M. Bulik, and Seulki Choi. 2007. "Body Mass, the *DRD4* Gene, Physical Activity, Sedentary Behavior, and Family SES: The National Longitudinal Study of Adolescent Health." *Obesity* 15(5): 1199-1206.
- Halpern, Carolyn T., Christine E. Kaestle, **Guang Guo**, and Denise D. Hallfors. 2007. "Gene-Environment Contributions to Young Adult Sexual Partnering." *Archives of Sexual Behavior* 36(4):543-554.
- Guo, Guang** and Yuying Tong. 2006. "Age at First Sexual Intercourse, Genes, and Social Context: Evidence from Twins and the Dopamine D4 Receptor Gene." *Demography* 43(4): 747-769.
- Guo, Guang**. 2006. "Genetic Similarity Shared by Best Friends among Adolescents." *Twin Research and Human Genetics* 9(1):113-121.
- Guo, Guang**, Kari E. North, and Seulki Choi. 2006. "*DRD4* Gene Variant Associated with Body Mass: The National Longitudinal Study of Adolescent Health." *Human Mutation* 27(3): 236-241.
- Cho, Hyunsan, **Guang Guo**, Bonita J. Iritani, and Denise D. Hallfors, D. 2006. "Genetic Contribution to Suicide Risk and Associated Risk Factors among Adolescents in the U.S." *Prevention Science* 7(3):303-311.
- Brown, Jane D., Kelly L. L'Engle, Carol J. Pardun, **Guang Guo**, Kristin Kenneavy, and Christine Jackson. 2006. "Sexy Media Matter: Exposure to Sexual Content in Music, Movies, Television and Magazines Predicts Black and White Adolescents' Sexual Behavior." *Pediatrics* 117(4):1018-1027.
- Waller, Martha W., Denise D. Hallfors, Carolyn T. Halpern, Bonita J. Iritani, Carol A. Ford, **Guang Guo**. 2006. "Gender Differences in Associations Between Depressive Symptoms and Patterns of Substance Use and Risky Sexual Behavior Among a Nationally Representative Sample of U.S. Adolescents." *Archives of Women's Mental Health* 9(3):139-150.
- Harker, Kathryn Tillman, **Guang Guo**, and Kathleen Mullan Harris. 2006. "Grade Retention among Generations of Immigrant Children." *Social Science Research* 35(1):129-156.

- Guo, Guang.** 2005. "Twin Studies: How Much Can They Tell Us about Nature and Nurture?" *Contexts* 4(3):43-47.
- Guo, Guang.** 2004. "Event-History Analysis." in *The Social Science Encyclopedia*, third edition. London: Routledge.
- Guo, Guang** and Jianmin Wang. 2002. "The Mixed or Multilevel Model for Behavior Genetic Analysis." *Behavior Genetics* 32(1):37-49.
- Guo, Guang** and Elizabeth Stearns. 2002. "The Social Influences on the Realization of Genetic Potential for Intellectual Development." *Social Forces* 80(3):881-910.
- Leahey, Erin and **Guang Guo.** 2002. "Gender Differences in Mathematical Trajectories." *Social Forces* 80(2):713-732.
- Guo, Guang** and Kathleen Mullan Harris. 2000. "The Mechanisms Mediating the Effects of Poverty on Children's Educational Achievement." *Demography* 37(4):431-447.
- Guo, Guang** and Hongxin Zhao. 2000. "Multilevel Models for Binary Data." *Annual Review of Sociology* 26:441-462.
- Memory, John M., **Guang Guo**, Ken Parker, and Tom Sutton. 1999. "Comparing Disciplinary Infraction Rates of North Carolina Fair Sentencing and Structured Sentencing Inmates: A Natural Experiment." *The Prison Journal* 79(1):45-71.
- Guo, Guang** and Leah K. VanWey. 1999. "Sibship Size and Intellectual Development: Is the Relationship Causal?" *American Sociological Review* 64(2):169-187.
- Guo, Guang** and Leah K. VanWey. 1999. "The Effects of Closely Spaced and Widely Spaced Sibship on Intellectual Development. Reply to Phillips and to Downey, et al." *American Sociological Review* 64(2):199-206.
- Guo, Guang.** 1998. "The Timing of the Influences of Cumulative Poverty on Children's Cognitive Ability and Achievement." *Social Forces* 77(1): 257-287.
- Guo, Guang.** 1996. "Negative Multinomial Regression Models for Clustered Event Counts." *Sociological Methodology* 26:113-132.
- Guo, Guang**, Jeanne Brooks-Gunn, and Kathleen Mullan Harris. 1996. "Parental Labor Force Attachment and Grade Retention among Urban Black Children." *Sociology of Education*. 69(3): 217-236.
- Brooks-Gunn, Jeanne, **Guang Guo**, and Frank F. Furstenberg Jr. 1993. "Who Drops Out of and Who Continues Beyond High School?: A 20 Year Follow-up of Black Urban Youth". *Journal of Research on Adolescence* 3(3): 271-294.
- Guo, Guang.** 1993. "Event-History Analysis for Left-Truncated Data." *Sociological Methodology* 23:217-243.

Guo, Guang. 1993. "Use of Sibling Data to Estimate Family Mortality Effects in Guatemala." *Demography* 30(1):15-32.

Guo, Guang and Laurence M. Grummer-Strawn. 1993. "Child Mortality among Twins in Developed Countries". *Population Studies* 47(3): 495-510.

Guo, Guang. 1993. "Mortality Trends and Causes of Death: A Comparison between Eastern and Western Europe, 1960s-1980s". *European Journal of Population* 9(3):287-312.

Guo, Guang and Germán Rodríguez. 1992. "Estimating a Multivariate Proportional Hazards Model for Clustered Data Using the EM Algorithm, with an Application to Child Survival in Guatemala." *Journal of the American Statistical Association* 87(420): 969-976.

Coale, Ansley and **Guang Guo.** 1989. "Revised Regional Model Life Tables at Very Low Levels of Mortality." *Population Index* 55(4):613-643.

BOOK CHAPTERS

Guo, Guang. 2010. Family Influences on Children's Well-Being: Potential Roles of Molecular Genetics and Epigenetics in Biosocial Foundations of Family Processes edited by Booth, Alan; McHale, Susan M.; Landale, Nancy S. Series: National Symposium on Family Issues. New York: Springer.

Guo, Guang. 2010. Gene–Environment Interactions for Delinquent Behaviors: Promises and Difficulties in Gene–Environment Interactions in Developmental Psychopathology edited by Kenneth A. Dodge and Michael Rutter. New York: GUILFORD PUBLICATIONS, INC.

Guo, Guang and Brandon Wagner. "Genetic Influences, Adulthood." in the *Encyclopedia of the Life Course and Human Development*. In press.

Guo, Guang and Jonathan K. Daw. 2007. "Genetic Source of Reading Disability and a Proposal to Use NLSY-Children to Study Genetic and Environmental Influences on Reading Disability." Alan Booth and Ann C. Crouter (eds.), *Disparities in School Readiness: How do Families Contribute to Transitions into School?* New York: Psychology Press.

Guo, Guang. 2004. "Estimation." In Michael S. Lewis-Beck, Alan E. Bryman, and Tim Futing Liao (eds), *The SAGE Encyclopedia of Social Science Research Methods*. Thousand Oaks, Calif.: Sage Publications.

Guo, Guang and John Hipp. 2004. "Longitudinal Analysis for Continuous Outcomes: Random Effects Models and Latent Trajectory Models." In Melissa Hardy and Alan Bryman (eds) *Handbook on Data Analysis*. London, England: Sage.

Coale, Ansley and **Guang Guo.** 1991. "The Use of New Model Life Tables at Very Low Mortality in Population Projections." Pp. 1-22 in *Population Bulletin*, the United Nations No.30. New York: United Nations (Department of International Economic and Social Affairs).

TEACHING ACTIVITIES

University of North Carolina at Chapel Hill Sociology Graduate Student Association Teaching Award for 1999

Society and Genomics (SOCI 277)

Human Societies and Genomics (SOCI 69 freshman seminar)

Categorical Data Analysis (SOCI 711), graduate course offered in the department of sociology

Longitudinal and Multilevel Data Analysis (SOCI 718), graduate course offered in the department of sociology

Linear Regression (SOCI 709), a required graduate course offered in the department of sociology

Human Societies (SOCI 111), an undergraduate introduction course focusing on social inequality in various historical and contemporary societies in the department of sociology

Social Inequality across Space and Time (006E, Freshman seminar), an undergraduate course on social inequality with emphasis on class participation, discussion, and debate.

ICPSR summer short course on event history analysis at the University of Michigan, Anne Arbor (1999, 2000, 2001, 2002)

GRANTS AND CONTRACTS

“Genetic/Epigenetic Markers, Social Contexts, Life-course and Risky Health Behavior.” (challenge Grant RC1 DA029425-01) National Institutes of Health October 2009 – August 31st 2012 with no cost extension. Principal Investigator. \$1,000,000. This grant (a Challenge Grant) supports efforts that investigates how genetic, epigenetic, and social contextual influences affect risky health behaviors. One major goal of this project is to develop (in collaboration with Haipeng Shen of Statistics Department UNC-CH) statistical methods addressing multiple testing, one of the most difficult issues in similar types of analysis. Another main goal is to investigate (in collaboration with Moshe Szyf of McGill) the feasibility of saliva DNA in methylation analysis in large-scale social science studies.

“Gene by Social-Control Interactions for Delinquency and Crime,” National Science Foundation October 2008 – March 31st 2012. Principal Investigator (Guang Guo). \$749,361. One major goal of this project is to create a genotype dataset for Add Health genetic subsample of Wave III that consisted of 2,612 respondents identified as siblings or twins at Wave I. The Illumina GoldenGate array targeted 1,536 SNPs. A total of 1,140 SNPs in 130 genes were successfully genotyped. The majority of the genes are associated with aggression identified in transgenic or knock-out studies of mice, or previously found to be related to risky behavior.

“Genetic Predispositions, Social Contexts, and Longitudinal Binge Drinking.” Supplement to the

National Longitudinal Study of Adolescent Health. 3 P01 HD031921, NIAAA. July 2008-June 2010. Co-Principal Investigator \$237,849.

“A Study of Peer Impacts on Health Behaviors and Attitudes.” William T. Grant Foundation. September 2007-August 2009. Principal Investigator. \$670,054. This study used a study design of randomly-assigned roommates on a college campus (N=2,500) to study peer influences on risky health behaviors such as binge drinking and smoking. Saliva DNA was collected and 384 SNPs were genotyped to investigate the potential interactions between genetic propensities for risky health behaviors and exogenous peer influences.

“Society, Human Behavior, and Genomics.” a course (upper-level undergraduate and lower-level graduate) development grant awarded to Guang Guo by the College of Arts and Sciences of UNC-CH. \$8,000.

“Age at First Sex, Genes, Religion, and Other Social and Demographic Context.” NICHD/NIH 1 R03 HD053385-01. September 2006- August 2009. Principal Investigator. \$100,000.

“High-Risk Heterosexual Partnering in the Age of AIDS: A Multilevel Analysis.” NIH 1 R21 HD054293-01A1. May 2007-April 2009. Co-investigator. \$275,000.

NIMH F31 Dissertation Fellowship, NIH. Fall 2006-Spring 2007 Principal Investigator for Daniel Adkins.

“Peer Impacts on Attitudes and Drinking Behavior-A Pilot Study.” The Odum Institute, UNC-CH. July 2006- June 2007. Principal Investigator. \$25,000

“Neighborhoods and Schools, Education, and Heritability.” National Science Foundation. SES -0210389. July 2002-June 2005. Principal Investigator. \$75,000.

“Social and Demographic Context and Heritability.” NICHD/NIH R03 HD053385-01. August 2002-September 2004. Principal Investigator. \$100,000.

“Cumulative Poverty and Children’s Cognitive Outcomes in Childhood and Early Adolescence.” William T. Grant Foundation. July 1996-June 2001. Principal Investigator. \$250,000.

“Rural-urban Migration in China in the 1990s: The Chinese 2000 Census.” Carolina Population Center. July 2001-June 2003. Principal Investigator. \$7,000.

“Family Care and Support for the Elderly in China.” The Demography and Economics of Aging Research Program at the University of North Carolina, Chapel Hill. January 2002-December 2003. Principal Investigator. \$14,000.

“The Influences of Poverty on Children’s Educational Performance.” US Department of Education. September 1996-August 1999. Principal Investigator. \$150,000.

“Social Environment, Heritability, and Intellectual Development.” American Sociological Association Fund for Advancement of the Discipline. May 1999-May 2000. Principal Investigator. \$3,500.

“HIV in Young Adulthood: Pathways and Prevention.” NICHD/NIH R01-DA14496 April 2002-March 2007. Co-Investigator. \$875,000.

“The Impact of Media on Adolescents’ Sexual Behavior.” NICHD/NIH R01 HD38508-01A1. July 2000-June 2005. Co-Investigator. \$710,424.

“Resilience and Vulnerability in the Young Adult.” NICHD/NIH 2 P01 HD31921. February 1999-January 2004. Co-Investigator. \$113,424.

“Social Context, Family Process, and Adolescent Health.” NICHD/NIH 5 U01 HD37558. April 1999-March 2004. Co-Investigator \$720,957.

“Migration, Contraception, and Social Networks.” NICHD/NIH 5 R01 HD37895. August 1999-July 2002. Co-Investigator \$546,887.

“Children's Educational Trajectories and Persistent Poverty, Race, and Gender.” Spencer Foundation and the National Academy of Education Fellowship. Principal Investigator. \$40,000.

“Cumulative Poverty and the Trajectories of Children’s Cognitive Development.” Frank Porter Graham Child Development Center, University of North Carolina at Chapel Hill. September 1994-September 1995. Principal Investigator. \$11,000.

The University Research Council at the University of North Carolina at Chapel Hill. May 1994-May 1996. \$2500.

“Gender Gap in Mathematical Performance and Socioeconomic Status.” The Committee on Faculty Research and Study Leaves at the University of North Carolina at Chapel Hill. January 1995-December 1995. \$3,000.

“Gender Gap in Mathematical Performance and Socioeconomic Status” The Institute for Research in Social Science at the University of North Carolina at Chapel Hill. July 1995-June 1996. \$1,000.

Center for Teaching and Learning, University of North Carolina at Chapel Hill. \$350 for improving the undergraduate introduction sociology course,

The Andrew W. Mellon Foundation. 1991. Principal Investigator. \$9,000.

MEDIA COVERAGE

Reuters: July 14, 2008, the original article by Maggie Fox in the section of News, Maggie telephone-interviewed Guang Guo

CNN news (3 minutes): July 18, 2008; study described by CNN Chief Medical Correspondent Dr. Sanjay Gupta; Guang Guo telephone-interviewed by CNN senior producer Chris Gajilan working for Dr. Gupta in Beijing, China

WUSA Channel 9, Washington, DC, the CBS affiliate: TV show, July 2008

The News&Observer: telephone interview with Guang Guo; article on July 28, 2008

The Chronicle Review of Higher Education, January 9th 2009: Featured in a cover story with a large photo (10 inches by 10 inches) on the front page.

Featured prominently in an article in Contexts, a sociological journal.

PROFESSIONAL SERVICE: INVITED TALKS, TEACHING AND ADVISORY BOARD MEMBERS

2018. April, invited speaker at the population center and the department of sociology at the University of British Columbia, Victoria

2018. March, a campus-wide talk and a guest lecturer at Professor Alexander Riley's course of Contemporary Sociological Theory at Bucknell University, Pennsylvania.

2017. November, Singapore. Research Grant Review Panel for the Ministry of Education, Singapore.

2017. October 11th, guest lecturer for the Global Inequity Research Initiative (giri) seminar, which is focused on examining neuroscience, genetics and inequality team-taught by William Darity, Keisha Bentley- Edwards, and Salimah El-Amin at Samuel DuBois Cook Center on Social Equity, Duke University.

2017. October, invited speaker at the Population Center at Johns Hopkins University

2017. September, two-day International Advisory Board Meeting for the Chinese Family Panel Study organized at Beijing University, China.

2017. July, invited speaker at the research methodology seminar series at Beijing University, China.

2017. July, course entitled Society and Genomics at Renmin University, Beijing, China

2017. April, Guest lecturer at Professor Alexander Riley's course of Contemporary Sociological Theory at Bucknell University, Pennsylvania.

2017. January, Bielefeld, Germany, invited speaker for the closing conference "Genetic and social causes of life chances: New perspectives on pathways connecting the genome to social outcomes"

2016. November, Singapore. Research Grant Review Panel for the Ministry of Education, Singapore.

2016. November, Universiti Brunei Darussalam, Brunei.

2016. July, summer course entitled Society and Genomics at Renmin University, Beijing, China

2016. May, Singapore. Research Grant Review Panel for the Ministry of Education, Singapore.

2015. December. Berlin, Germany, Advisory Board Meeting of German Twinlife Study.

2015. December, invited skype presentation for the Germany meeting at Bielefeld, the conference "Genetic and social causes of life chances: New perspectives on pathways connecting the genome to social outcomes"

2015. November, Singapore. Research Grant Review Panel for the Ministry of Education, Singapore.

2015. October, Bielefeld, Germany, invited speaker for the opening conference "Genetic and social causes of life chances: New perspectives on pathways connecting the genome to social outcomes"

2015. October, one-day International Advisory Board Meeting for the Chinese Family Panel Study organized at Beijing University.

2014. October 11-17, developing a research grant that incorporates genetic information in the study of youth delinquency at the Chinese University in Hong Kong

2014, October 9th, Society and Genomics, Jici University, Hualiean, Taiwan

2014. October 6-7, workshop on Genomics and Sociology at the Institute of Sociology at Taiwan Academia Sinica, Taipei, Taiwan

2014. July 5, Benefits of Advances in molecular genetics to sociology, Institute of Sociology, Chinese Academy of Social Sciences, Beijing China

2014. July 2-18, course entitled Society and Genomics at Renmin University, Beijing, China

2014. June 23-July 2, workshop on Society and Genomics at Department of Sociology, Nankai University, Tianjin, China

2014. January 2-4, consultant for the German Twin Life Study at Eltville, Germany

2012, October 26. Invited speaker for the Program in the Humanities and Human Values (HHV) at UNC-CH. The program is the public face of the College of Arts and Science.

2011, September. Helsinki, Finland, invited speaker at an expert workshop entitled "Combining biology and social science in life course studies," within the European Science Foundation Consortium, Quantitative Methods in the Social Sciences-2 (QMSS2)

2011, June. Xiangshan conference, Beijing, China

2011, June. Beijing University

2011, March. Brown University

2011, March. Department of Psychology, UNC-CH

2010, October, Population Center at Duke

2010, August. After-dinner talk, Sociological Research Association, ASA annual conference
2010, Atlanta

2010, August. Workshop on Society and Genomics, Indiana University at Bloomington

2010, May. Invited talk at Chinese University of Hong Kong

2010, May, Invited talk at the Hong Kong University of Science and Technology

2010, May. Invited talks at the University of Tel Aviv, Israel.

2010, April, SUNY Albany

2010, March. Rutgers University

2010, February 25. Department of Health Policy and Management, the University of Michigan,
Ann Arbor

2010, February 18. Department of Sociology and NORC, University of Chicago

2010, January 28. Department of Sociology, Yale University

2009, November. Social Networks and Social Interactions, Harvard University.

2009, October 11. A lead speaker at the Annual National Symposium on Family Issues,
Population Research Institute, Pennsylvania State University, University Park, PA.

2009, September 10. Department of Family Dynamics, Arizona State University

2009, July 24, a leader speak at the Annual Conference on the Cutting Edge Issues in Population
Studies at Beijing University, China

2009, July 6-26. Summer course on genetics and society, and statistics, Beijing University,
Beijing, China

2009, June 15-6, Poverty Workshop, University of Wisconsin, Madison

2009, June 1-2. Invited to speak at the conference "Families and Health: New Directions in
Research and Theory," co-sponsored by the ASPE/DHHS funded National Center for Marriage
Research (NCMR) at Bowling Green State University and NICHD at the Natcher Conference
Center, NIH in Bethesda, Maryland.

2009, May 18-19. The International Research Conference on "Gene-Environment Interaction
Effects in Developmental Psychopathology: So What?" at the Center for Child and Family Policy,

Duke University.

2009, January 12. Frank Porter Graham Child Development Institute, University of North Carolina-CH

2008, November 18. Department of Sociology, University of Texas at Austin

2008, December 4. Keynote [magistrate's] lecture on Criminal Genesis, Biogenetics and Juvenile Delinquency at the Forensic Toxicology and Antidoping Unit (criminal genetics, forensic psychopathology, forensic toxicology) of the University of Padua/Azienda Ospedaliera, Italy (invited and scheduled).

2008, July. "Genetic Propensities, Social Contexts, and Health Behaviors" at the Population Research Institute, Beijing University, Beijing, China

2008, July. "Genetic Propensities, Social Contexts, and Health Behaviors" at the Research Institute in Medical Genetics at Beijing Hospital, Beijing, China.

2008, June-July. "Event History Analysis" and "Genes, Social Contexts, and Human Behaviors" summer courses taught at the Department of Sociology, Beijing University, Beijing China.

2008, January. "Genetic Propensities, Social Contexts, and Health Behaviors" at the Section of Human Neurogenetics, NIAAA (National Institute on Alcohol Abuse and Alcoholism), NIH, Washington, DC (David Goldman's lab).

2008, January. "Genetic Propensities, Social Contexts, and Delinquent and Criminal Behavior" at the Department of Sociology and Center for Society and Genetics, University of California, Los Angeles.

2008, February. "Genetic Propensities, Social Contexts, and Delinquency" at the Population Research Institute, Pennsylvania State University, University Park, PA.

2007, November. "Social Sciences Facing Modern Genetics Challenges; Changing Boundaries between Genes, Behavior and the Social Fabric" at the Annual Meeting of Royal Society of Canada: the Academies of Arts, Humanities, and Sciences of Canada, at the University of Alberta, Edmonton, Alberta, Canada.

2007, November. "Genes, Social Environmental Contexts, and Health Behaviors" at the California Center for Population Research, University of California at Los Angeles, Los Angeles, CA.

2007, June-July. "Multilevel and Longitudinal Analysis" summer course, at the Department of Sociology, Beijing University, Beijing China.

2007. Invited Panel on Genes, Social and Cultural Context, and Health Behaviors Presented at the Annual Meeting of the Population Association of America, New York, NY.

2007. Carolina Center for Genome Sciences, the University of North Carolina, Chapel Hill, Seminar.

2007. Presented at the NLSY Advisory Meeting on Feasibility of Collection DNA data in the NLSY, Ohio State University, Columbus, OH.

2006. Presented at the Xiangshang Conference on Genes and Longevity, Beijing, China.

2006. Presented at the Foreign Languages Institute, Nankai University, Tianjin, China.

2006. Presented at the Department of Sociology Nankai University, Tianjin, China.

2006, June-July. "Categorical Data Analysis" summer course at the Department of Sociology, Beijing University, Beijing China.

2006. Presented to the Department of Sociology, University of North Carolina, Charlotte, NC.

2006. Presented at the Longitudinal Data and Analysis Techniques Speaker Series, the Gerontology Center and The Center for Health Care and Policy Research, Pennsylvania State University, University Park, PA.

2005. Presented at the Annual National Symposium on Family Issues, Population Research Institute, Pennsylvania State University, University Park, PA.

2005. Presented at the Beijing Genomics Institute, Beijing, China.

2005. "Charting the Future of Genetics and Social Science Research at UNC Chapel Hill." Presented at the Institute of Research for Social Sciences, UNC-CH

2005. Presented at the Population Research Center, University of Texas at Austin, Austin, TX.

2005. Three-Day Workshop on Multilevel Analysis at the Institute of Population Studies, Mahidol University, Bangkok, Thailand.

2004. Presented at the Institute for Policy Research and Department of Sociology, Northwestern University, Evanston, IL.

2004. Presented at the Division of Sociomedical Sciences, Department of Preventive Medicine & Community Health The University of Texas Medical Branch, Galveston, TX.

2004. Five-Day Workshop on Event History Analysis, Academia Sinica. Taipei, Taiwan.

2004. Three-Day Workshop on event history analysis at the Institute of Population Studies, Mahidol University, Bangkok, Thailand.

2004. Presented at the Population Studies Center, University of Michigan, Ann Arbor, MI.

2003. Presented at the Population Studies Center, University of Pennsylvania, University Park, PA.

2003. Five-Day workshop on Genetic Expression and Social Behavior in Sun Yat-Sen Institute

for Social Sciences and Philosophy, Academia Sinica. Taipei, Taiwan.

2003. Presented at the NCOVR Workshop on Statistical Analysis of Life Event Calendar Data in Pittsburgh, PA.

2003. Presented at Brown University, Providence, RI.

2002. Presented at the Methodology Seminar at the School of Social Work, UNC, Chapel Hill, NC.

2002. Presented at the Center for Demographic Studies, Duke University, Durham, NC.

2002. Presented at the Department of Sociology, Cornell University, Ithaca, NY.

2002. Presented at the Department of Sociology, Ohio State University, Columbus, OH.

OTHER PROFESSIONAL SERVICE

Chair, ASA Section on Methodology 2015-2017

Member, the Expert Panel of Accountancy, Business, Humanities and Social Sciences (EP4) as member (1 September 2015 –) Government of Singapore.

Member, Population Association of America Board of Directors, 2012 - 2015

Deputy Editor, American Sociological Review, 2009-2014

Chair, ASA Section on Evolution, Biology, and Society, 2013

Permanent Member, NIH grant review committee of SSPS (Social Science and Population Study Section) 2011 - 2015

Member, NLSY Technical Review Board, 2010 – 2013

Member, Advisory Board of China Family Survey of Beijing University, 2011-

Member, NIH grant review committee, Oct. 2009, Health, Behavior, and Context Subcommittee, 2010/01 CHHD-M

Member, NIH grant review committee, October 1, 2009, Social Sciences and Population Studies Section, 2010/01 SSPS

Member, NIH grant review committee, June 26, 2009, Social Sciences and Population Studies Study Section, 2010/01 SSPS

Member, Special Emphasis Panel (Innovative Computational and Statistical Methodologies for the Design and Analysis of Multilevel Studies on Childhood Obesity (R01)), NIH grant review committee (ZRD1 DSR-M 23), Feb. 2009.

Member, Special Emphasis Panel (Health and Social Contexts), NIH grant review committee (ZRG1 HOP B 90), June 2008.

Member, Special Emphasis Panel (Health and Social Contexts), NIH grant review committee (ZRG1 HOP B 90), February 2008.

Member, the NLSY Advisory Meeting on feasibility of collection DNA data, 2007.

Member, Special Emphasis Panel, NIH grant review committee (ZRG1 HOP B 90), October 2007.

Member, NIH grant review committee, Roadmap RFA DA-07-004, July 2007.

Member, NIH grant review committee (ZHD1 DSR-M (HB) (1), June 2007.

Member, NIH grant review committee (ZHD1 DSR-M (HB) (5), February 2007.

Member, Special Emphasis Panel, NIH grant review committee (ZRG1 HOP-B 90 S), February 2007.

Guest Editor for *Sociological Research and Methods* for the special issue on Genes and Sociology 2006-2008.

Member, Special Emphasis Panel, NIH grant review committee, October 2006.

Member, Committee on Assessing Interactions among Social Behavioral, and Genetic Factor in

Member, Committee on Gene-Environment Interaction, Institute of Medicine, National Academy of Sciences 2005-2006.

Guest Editor for *Social Forces* for the special issue of Sociology and Biological Sciences, 2005-2006.

Member, Special Emphasis Panel, NIH grant review committee, October 2005.

Member, Population Sciences Subcommittee CHHD, NIH grant review committee, June 2005.

Secretary and Treasurer, Methodology Section, the American Sociological Association (2005-8)

Organizer, Winter Meeting of the American Sociological Association's Methodology Section on UNC-CH campus (April 22, 2005)

Council member: Methodology Section (1999-2001), American Sociological Association.

SERVICE AT UNC-CH

Member, UNC Nutrition Research Institute External Review 2016

Chair, IRB in the Department of Sociology (2009-)

Interim director of graduate studies, Department of Sociology, UNC Chapel Hill (fall, 2008)

Director of graduate studies, Department of Sociology, UNC Chapel Hill (2001-2006)

Graduate Admissions Committee Chair, Department of Sociology, UNC Chapel Hill (2003-2006)

Member, Training Committee, Carolina Population Center, UNC Chapel Hill (2006-)

Member, University Administrative Review Committee on Barbara Entwisle, Director, Carolina Population Center

Member, University Committee, Equal Opportunity, UNC, Chapel Hill (1995-2003)

EDITORIAL BOARDS

Deputy Editor, *American Sociological Review*, 2009 -- 2014

Editorial Board, *Demography*, 2007 –2009

Consulting Editor, *Child Development*, 2002-

Editorial Board, *American Journal of Sociology*, 1999-2002

Editorial Board, *Social Forces*, 1993-

Editorial Board, *Sociology of Education*, 1997-

Editorial Board, *Sociological Quarterly*, 1996-

TRANSLATIONAL ACTIVITIES (regular invited speaker for the Voice of America's Chinese program)

One-hour live TV interview:

November 2003: Abortion Debate

April 2004 on Same-Sex Marriages

30-minute live radio interview (over 15 times in recent years):

Examples of Topics:

Debate on Intelligence Design and Evolutionary theory

Terrorists Surveillance or Spying

Intelligent Design and Evolutionary Theory
Teenagers and Parenting
Drug Use and Alcohol Use among Adolescents
One-child Policy in China