Curriculum Vitae

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Bo Lu, Ph.D.

Division of Biostatistics
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Education

Aug., 2002	The Wharton School University of Pennsylvania Ph.D. in Statistics Dissertation: Non-bipartite matching in observational studies Advisor: P.R. Rosenbaum	Philadelphia, PA
Aug., 1999	The Wharton School University of Pennsylvania M.A. in Statistics	Philadelphia, PA
Jun., 1997	Peking University B.S. in Probability and Statistics (Major) B.S. in Computer Science (Minor)	Beijing, China

Academic Position

Sep. 2013—Present	Associate Professor Division of Biostatistics College of Public Health The Ohio State University	Columbus, OH
Oct. 2005—Aug. 2013	Assistant Professor Division of Biostatistics College of Public Health The Ohio State University	Columbus, OH
Sep. 2002—Sep. 2005	Assistant Professor Center for Statistical Sciences	Providence, RI

Department of Community Health
Brown University

Honors and Awards

- Advisor of student paper competition winners:
  - 2014 Joint Statistical Meeting, The Government Statistics, Social Statistics and Survey Research Methods Section (Student: Robert Ashmead).
  - 2015 Joint Statistical Meeting, The Health Policy Statistics Section (Student: Robert Ashmead).
- 2009, Paper of the Year Award, Inhalation and Respiratory Specialty Section, Society of Toxicology:
  Sun Q., Yue P., Deiuliis J., Lumeng C., Kampfrath T., Mikolaj M., Cai Y., Ostrowski M., **Lu B.,** Parthasarathy S., Brook R., Moffatt-Bruce S., Chen L. and Rajagopalan S., "Ambient Air Pollution Exaggerates Adipose Inflammation and Insulin Resistance in a Mouse Model of Diet Induced Obesity", *Circulation*, 2009, 119: 492-494.
- Winner of the Student Paper Competition
  2002 Joint Statistical Meeting, The Government Statistics, Social Statistics and Survey Research Methods Section.
- Bursk Award for Excellence in Research
  2001, Department of Statistics, the Wharton School, University of Pennsylvania.

Research Interests

- Causal Inference, Observational Study, Propensity Score Adjustment with Complex Designs, Optimal Matching, Sensitivity Analysis
- Survey Sampling Methodology, Small Area Estimation, Large Population Survey Analysis
- Statistical Analysis with Missing Data
- Statistical Methods for Observational Studies in Population Health, Health Outcome Research and Social Sciences

Publications

(Peer-reviewed, unless otherwise indicated; Names of students/post-doc fellows I directly advised are underlined.)

1. Berzofsky M., Blanton C., Speizer H., Peterson K., **Lu B.**, and Sahr T. "Methods to Account for Classification Error in County Assignment for a Dual-Frame Telephone Survey", forthcoming, *Journal of Survey Statistics and Methodology*, 2017.
2. Jin Y., Berman M., Klein E., Foraker R., **Lu B.**, and Ferketich A. "Ending Tobacco Sale in Pharmacies: A Qualitative Study", forthcoming, *the Journal of the American Pharmacists Association*, 2017.

3. **Lu B.**, Cai D., Wang L., Tong X., and Xiang H. "Inference for Proportional Hazards Model with Propensity Score", forthcoming, *Communication in Statistics—Theory and Methods*, 2017.
4. **Lu B.** and Ashmead R. "Propensity Score Matching Analysis for Causal Effect with MNAR Covariates", forthcoming, *Statistica Sinica*, 2017.
5. Thomson T., Nemeth J., Peng J., **Lu B.**, Ferketich A., Paskett E., and Wewers ME. "Address-Based Sampling for Recruiting Rural Subpopulations: A 2-Phase, Multimode Approach", *Journal of Rural Health*, 2017, in press.
6. Nehus E., Liu C., **Lu B.**, Macaluso M., and Kim M. "Graft Survival of Pediatric Kidney Transplant Recipients Selected for de novo Steroid Avoidance—a Propensity Score-Matched Study", forthcoming, *Nephrology Dialysis Transplantation*, 2017.
7. Roberts ME., Browning C., **Lu B.**, and Ferketich A. "Tracking Young Adults' Attitudes toward Tobacco Marketing Using Ecological Momentary Assessment (EMA)", 2017, *Substance Use and Misuse*, 2017, Jun 12:1-6. doi: 10.1080/10826084.2017.1302958. [Epub ahead of print]
   PMID: 28605315
8. Li Z., Xu X., and **Lu B.** "Small Area Estimation Strategies for Large Population Surveys: A Comparison of Design and Model-Based Methods", *Journal of Statistical Computation and Simulation*, 2017, 87(4): 817-833.
9. Wang L., **Lu B.**, Wewers ME., Foraker R., Xie M., and Ferketich A. "Are Retailers Compliant with Zoning Regulations that Ban Tobacco Sales near Schools in Changsha, China?", *Tobacco Control*. 2017, 26: 446-451.
   PMID: 27457789.
10. Lam J., **Lu B.**, Doogan N., Thomson T., Ferketich A., Paskett E., and Wewers ME. "Depression, Smoking and Ego-Centric Social Network Characteristics in Ohio Appalachian Women", *Journal of Rural Mental Health*, 2017, 41(1): 30-41.
11. Berzofsky M., Peterson K., Speizer H., **Lu B.**, and Sahr T. "Assessing the Use of a Pre-Field Screening Service to Identify Nonworking Cellphone Numbers in Ohio", *Survey Practice*, 2017, 10 (1), e-journal available online: http://www.surveypractice.org/index.php/SurveyPractice/article/view/345/html_82
12. Nemeth J., Bonomi A., **Lu B.**, Lomax R., and Wewers ME. "Risk Factors for Smoking in Rural Women: The Role of Gender-Based Sexual and Intimate Partner Violence", *Journal of Women's Health*. 2016, 25(12): 1282-1291.
    PMID: 27548468 PMCID: PMC5175431
13. Creary S., Chisolm D., Kock T., Zigmont V., **Lu B.**, and O'Brien S. "Hydroxyurea Use in Children with Sickle Cell Disease: Do Severely Affected Patients Use It and Does It Impact Hospitalization Outcomes?", *Pediatric Blood and Cancer*. 2016, 63(5): 844-847.
    PMID: 26797936 PMCID: PMC4801693
14. Jin Y., **Lu B.**, Berman M., Klein E., Foraker R. and Ferketich A. "The Impact of Tobacco-Free Pharmacy Policy on Smoking Prevalence", *Journal of American Pharmacist Association*. 2016, 56(6):627-632.
    PMID: 27667500.

15. Jin Y., **Lu B.**, Klein E., Berman M., Foraker R. and Ferketich A. "Tobacco-Free Pharmacy Laws and Trends in Tobacco Retailer Density in California and Massachusetts", *American Journal of Public Health*. 2016, 106(4):679-685. PMID: 26890173.
16. Thomson T., Krebs V., Nemeth J., **Lu B.**, Peng J., Doogan N., Ferketich A., Post D., Browning C., Paskett E., and Wewers ME. "Social Networks and Smoking in Rural Women: Intervention Implications", *American Journal of Health Behavior*. 2016, 40(4):405-415. PMID: 27338987 PMCID: PMC4944163
17. Roberts ME., Colby SM., **Lu B.**, and Ferketich A. "Understanding Tobacco Use Onset among African Americans", *Nicotine & Tobacco Research,* 2016, 18 (suppl 1): S49-S56. PMID: 26980864 PMCID: PMC4889995
18. Shi J., **Lu B.**, Wheeler K., and Xiang H. "Unmeasured Confounding in Observational Studies with Multiple Treatment Arms: Comparing the Emergency Department Mortality of Severe Trauma Patients by Trauma Center Level", *Epidemiology*, 2016, 27(5): 624-632. PMID: 27276025.
19. Orellana R., Hoet A., Bell C., Kelly C., **Lu B.**, Anderson S., and Stevenson K. "Methicillin-resistant Staphylococcus aureus in Ohio EMS providers: A statewide cross-sectional study", *Prehospital Emergency Care*, 2016, 20(2): 184-190. PMID: 26516797
20. Wang L., Jin Y., **Lu B.**, and Ferketich A. "A Cross-country Study of Smoking Cessation Assistance Utilization in 16 Low and Middle Income Countries: Data from the Global Adult Tobacco Survey (2008-2012)", *Nicotine & Tobacco Research*, 2016, 18(5): 1076-1082. PMID: 26116084
21. Yao X., Dembe A., Wickizer T., and **Lu B.** "Does Time Pressure Create Barriers for People to Receive Preventive Health Services?" *Preventive Medicine,* 2015, 74: 55-58. PMID: 25773470
22. Bai Y., Xu Z., **Lu B.**, Sun Q., Tang W., Liu X., Yang W., Xu X., and Liu Q. "Effects of Climate and Rodent Factors on Hemorrhagic Fever with Renal Syndrome in Chongqing, China, 1997-2008", 2015, *PLoS ONE* 10(7): e0133218. PMID: 26193359 PMCID: PMC4507865
23. Bai Y., **Lu B.**, Sun Q. "Pre-exposure to fine particulate matters may induce endotoxin tolerance in a mouse model", 2015, *Austin Journal of Environmental Toxicology*, 2015, 1(1): 1004. PMID: 26900605 PMCID: PMC4757438
24. Vickers B., Shi J., **Lu B.**, Wheeler K., Peng J., Groner J., Haley K., and Xiang H. "Comparative Study of ED Mortality Risk of US Trauma Patients Treated at Level I & Level II vs. Nontrauma Centers", *American Journal of Emergency Medicine*, 2015, 33(9):1158-65. PMID: 26066772.
25. Ing S., Orchard T., **Lu B.**, Lamonte M., Barbour K., Cauley J., and Jackson R. "TNF Receptors Predict Hip Fracture Risk in the WHI Study and Fatty Acid

Intake Does Not Modify This Association", *The Journal of Clinical Endocrinology & Metabolism*, 2015, 100 (9): 3380-3387.
PMID: 26161450 PMCID: PMC4570162

26. Shi J., Gardner S., Wheeler K., Thompson M., **Lu B.**, Stallones L., and Xiang H., "Characteristics of Nonfatal Occupational Injuries among US Workers With and Without Disabilities", *American Journal of Industrial Medicine*, 2015, 58(2): 168-177.
PMID: 25603939
27. Shi J., Wheeler K., **Lu B.**, Bishai D., Stallones L., and Xiang H. "Medical Expenditures Associated with Nonfatal Occupational Injuries among U.S. Workers Reporting Persistent Disabilities", *Disability and Health Journal*, 2015, 8(3):397-406.
PMID: 25573252
28. Zhu H. and **Lu B.** "Multiple comparison for survival data with propensity score adjustment", *Computational Statistics and Data Analysis*, 2015, 86: 42-51.
29. Mihai G., Varghese J., **Lu B.**, Zhu H., Simonetti O., and Rajagopalan S. "Reproducibility of Thoracic and Abdominal Aortic Wall Measurements with Three-Dimensional, Variable Flip Angle (SPACE) MRI", *Journal of Magnetic Resonance Imaging*, 2015, 41: 202-212.
PMID: 24382710
30. Jin Y., Wang L., **Lu B.** and Ferketich A. "Secondhand Smoke Exposure, Indoor Smoking Ban and Smoking Related Knowledge in China", *International Journal of Environmental Research and Public Health*, 2014, 11: 12835-12847.
PMID: 25514143 PMCID: PMC4276649
31. Zeeshan M., Dembe A., Seiber E., and **Lu B.** "Incidence of adverse events in an integrated US healthcare system: a retrospective observational study of 82,784 surgical hospitalizations." *Patient Safety in Surgery*, 2014, 8(23):1-10.
PMID: 24932219 PMCID: PMC4055940
32. Bai Y., Xu Z., Zhang J., Mao D., Luo C., He Y., Liang G., **Lu B.**, Bisesi M., Sun Q., Xu X., Yang W., and Liu Q. "Regional Impact of Climate on Japanese Encephalitis in Areas Located near the Three Gorges Dam", *PLoS One*, 2014, 9 (1): e84326.
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33. Frank R., Akresh I. and **Lu B.** "How Do Latino Immigrants Fit into the Racial Order?" pp.780-787, *Social Stratification: Class, Race, and Gender in Sociological Perspective.* 4th edition, 2014. Westview Press, Boulder, CO, USA. (Brief commissioned version of the 2010 *American Sociological Review* paper, editor-reviewed.)
34. Hade E. and **Lu B.** "Bias Associated with Using Estimated Propensity Score as a Regression Covariate", *Statistics in Medicine*, 2014, 33: 74-87.
PMID: 23787715 PMCID: PMC4004383
35. Balsam S., Jiang W. and **Lu B.** "Equity Incentives and Internal Control Weaknesses", *Contemporary Accounting Research*, 2014, 31(1): 178-201.
36. Mihai G., Varghese J., Kampfrath T., Gushchina L., Deiuliis J., Hafer L., Maiseyeu A., Simonetti O., **Lu B.**, and Rajagopalan S. "Aliskiren effect on Plaque Progression In Established Atherosclerosis using high Resolution 3D

MRI(ALPINE): A Double-Blind Placebo-Controlled Trial", *Journal of the American Heart Association*, 2013, 2(3): e004879.
https://doi.org/10.1161/JAHA.112.004879
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37. **Lu B.**, Sahr T., Iachan R., Denker M., Duffy T., and Weston, D. "Design and Analysis of Dual-Frame Telephone Surveys for Health Policy Research", *World Medical & Health Policy*, 2013, 5(3): 217-232.
38. Marcus S., **Lu B.**, Lim S., Gibbons R., and Oquendo M. "Suicide attempts in patients with bipolar disorder tend to precede, not follow, initiation of antiepileptic drugs", *Journal of Clinical Psychiatry*, 2013, 74(6): 630-631.
PMID: 23842016
39. Molina B., Hinshaw S., Arnold LE., Swanson J., Pelham W., Hoza B., Hechtman L., Epstein J., Wigal T., Abikoff H., Elliott G., Greenhill L., Jensen P., Newcom J., Wells K., Vitiello B., Gibbons R., Howard A., Houck P., Hur K., **Lu B.**, and Marcus S. "Adolescent Substance Use in the Multimodal Treatment Study of Attention-Deficit/Hyperactivity Disorder (ADHD) (MTA) as a Function of Childhood ADHD, Random Assignment to Childhood Treatments, and Subsequent Medication", *Journal of the American Academy of Child and Adolescent Psychiatry*, 2013, 52(3): 250-263.
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40. Orchard T.S., Ing S., **Lu B.**, Belury M., Johnson K., Wactawski-Wende J. and Jackson B. "The association of red blood cell n-3 and n-6 fatty acids to dietary fatty acid intake, bone mineral density and hip fracture risk in the Women's Health Initiative", *Journal of Bone and Mineral Research*, 2013, 28(3): 505-515.
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41. **Lu B.**, Peng J., and Sahr T. "Estimation Bias of Different Design and Analytical Strategies in Dual Frame Telephone Surveys: An Empirical Evaluation", *Journal of Statistical Computation and Simulation*, 2013, 83 (12): 2352-2368.
42. **Lu B.** and Gatsonis C. "Efficiency of Study Designs in Diagnostic Randomized Clinical Trials", *Statistics in Medicine*, 2013, 32:1451-1466.
PMID: 23071073 PMCID: PMC3600406
43. Ferketich A.K., Diaz P., Browning K.K., **Lu B.**, Koletar S.L., Reynolds N.R., and Wewers M.E. "Safety of Varenicline among Smokers Enrolled in the Lung HIV Study", *Nicotine & Tobacco Research*, 2013, 15(1): 247-254.
PMID: 22589421 PMCID: PMC3524069
44. **Lu B.** and Marcus S. "Evaluating long term effects of a psychiatric treatment using instrumental variable and matching approaches", *Health Services and Outcome Research Methodology*, 2012, 12: 288-301.
45. Xiang H., Shi J., **Lu B.,** Wheeler K., Zhao W., Wilkins JR. and Smith GA. "Medical expenditures associated with nonfatal occupational injuries among immigrant and U.S.-born workers.", *BMC Public Health*, 2012, 12:678-686.
46. Price J., Shi J., **Lu B.**, Smith G., Stallones L., Wheeler K. and Xiang H. "Non-occupational and Occupational Injuries to U.S. Workers with Disability", *American Journal of Public Health*, 2012, 102: e38-e46.

47. Xu X., Pennell M., **Lu B.**, Murray D., "Efficient Bayesian Joint Modeling for Group Randomized Trials with Multiple Observation Times and Multiple Outcomes". *Statistics in Medicine*, 2012, 31:2858-2871. PMC3892667
48. Baker S., Van-Balem J., **Lu B.**, Hillier A. and Hoet A. "Antimicrobial Use in Canine Patients entering a Veterinary Teaching Hospital", Journal of the American Veterinary Medical Association, 2012, 241: 210-217.
49. Yang K., LeJeune J., Alsdorf D., **Lu B.**, Shum C.K. and Song L. "Global Distribution of Outbreaks of Water-Related Infectious Diseases", *PLoS Neglected Tropical Diseases*, 2012, 6(2): e1483. doi:10.1371/journal.pntd.0001483.
50. **Lu B.** and Elliot J. "Beyond seizures and medications: Normal activity limitations, social support and mental health in epilepsy", *Epilepsia*, 2012, 53(2): e25-28.
51. **Lu B.,** Qian Z., Cunningham A., and Li C. "Estimating the Effect of Premarital Cohabitation on Timing of Marital Disruption: Using Propensity Score Matching in Event History Analysis", *Sociological Methods and Research*, 2012, 41(3): 440-466.
52. Shah Z., Kampfrath T., Deiuliis J., Zhong J., Pineda C., Ying Z., Xu X., **Lu B.**, Sun Q., Durairaj R., Mihai G., Moffatt-Bruce S., Maiseyeu A. and Rajagopalan S. "Long-term DPP-4 Inhibition Reduces Atherosclerosis and Inflammation via Effects on Monocyte Recruitment and Chemotaxis", *Circulation*, 2011, 124: 2338-49.
53. O'Brien J., **Lu B.**, Ali N., Levine D., Aberegg S., Lemeshow S. "Insurance type and sepsis-associated hospitalization and sepsis-associated mortality among U.S. adults: A retrospective cohort study", *Critical Care*, 2011, **15**:R130-140.
54. Grassi M., Enea D., Ferketich A., **Lu B.**, Pasquariello S. and Nencini P. "The Effectiveness of Varenicline for Smoking Cessation: A One-year Follow-up Study", *Journal of Substance Abuse Treatment*, 2011, 41: 64-70.
55. Elliott J., Charyton C., Sprangers P., **Lu B.** and Moore L. "The impact of marriage and social support on persons with active epilepsy", *Epilepsy and Behavior*, 2011, 20: 533-538.
56. Orchard T., Cauley J., Frank G., Neuhouser M., Robinson J., Snetselaar L., Tylavsky F., Wactawski-Wende J., Young A., **Lu B.** and Jackson R. "Fatty acid consumption and risk for fracture in the Women's Health Initiative", *American Journal of Clinical Nutrition*, 2010, 92:1452–60.
57. **Lu B.**, Greevy R., Xu X. and Beck C. "Optimal Nonbipartite Matching and its Statistical Applications", *The American Statistician*, 2011, 65(1): 21-30. PMC3501247
58. Dembe A., **Lu B.**, and Sieck C. "Predictors of Health Plan Satisfaction among Employees in an Academic Setting", *American Journal of Medical Quality*, 2010, 25(4):274-84.
59. Frank R., Akresh I. and **Lu B.** "Latino Immigrants and the U.S. Racial Order: How and Where Do They Fit In?", *American Sociological Review*, 2010, 75(3): 378-401.
60. Charyton C., Elliott J., **Lu B.** and Moore L. "The impact of social support on health related quality of life in persons with epilepsy", *Epilepsy and Behavior*, 2009, 16: 640-645.

61. Grassi M., Enea D., Ferketich A., **Lu B.** and Nencini P. "A Smoking Ban in Public Places Increases the Efficacy of Bupropion and Counseling on Cessation Outcomes at One Year", *Nicotine & Tobacco Research*, 2009, 11: 1114-1121.
62. Elliott J., **Lu B.,** Shneker B., Moore L. and McAuley J. "The impact of 'social determinants of health' on persons with epilepsy", *Epilepsy Research*, 2009, 84: 135-145.
63. Sun Q., Yue P., Deiuliis J., Lumeng C., Kampfrath T., Mikolaj M., Cai Y., Ostrowski M., **Lu B.,** Parthasarathy S., Brook R., Moffatt-Bruce S., Chen L. and Rajagopalan S., "Ambient Air Pollution Exaggerates Adipose Inflammation and Insulin Resistance in a Mouse Model of Diet Induced Obesity", *Circulation*, 2009, 119: 492-494.
64. Elliott J., Charyton C., **Lu B.** and Moore L. "Serious psychological distress in persons with epilepsy in poverty", *Seizure: European Journal of Epilepsy*, 2009, 18: 332-338.
65. Moore L., Elliott J., **Lu B**., Klatte E. and Charyton C. "Serious psychological distress among persons with epilepsy based on the 2005 California Health Interview Survey", *Epilepsia*, 2009, 50(5): 1077-1084.
66. Monaco G., **Lu B.**, Wood M. "Impact of the National History Day in Ohio program on students' performances: Pilot Evaluation Project", *Journal of Museum Education*, 2009; Volume 34, Number 4: 79-96.
67. Elliott J., **Lu B.**, Shneker B., Charyton C.and Moore L. "Co-morbidity, health screening and quality of life among persons with a history of epilepsy", *Epilepsy and Behavior*, 2009; 14: 125-129.
68. Elliott J., **Lu B.**, Moore L., McAuley J. and Long L."Exercise, diet, health behavior, and risk factors among persons with epilepsy in California based on the California Health Interview Survey, 2005", *Epilepsy and Behavior*, 2008; 13: 307-315.
69. Mallery S., Zwick J., Pei P., Tong M., Larsen P., Shumway B., **Lu B.**, Fields H., Mumper R. and Stoner G. "Topical application of a bioadhesive black raspberry gel modulates gene expression and reduces proinflammatory proteins in human premalignant oral lesions", *Cancer Research*, 2008; 68: 4945-4957.
70. Shumway B., Kresty L., Larsen P., Zwick J., **Lu B.**, Fields H., Mumper R., Stoner G., Mallery S. "Effects of a topically applied bioadhesive berry gel on loss of heterozygosity indices in premalignant oral lesions", *Clinical Cancer Research*, 2008; 14: 2421-2430.
71. Elliott J., Moore, L. and **Lu B.** "Health status and behavioral risk factors among persons with epilepsy in Ohio based on the 2006 Behavioral Risk Factor Surveillance System", *Epilepsy and Behavior*, 2008; 12: 434-444.
72. Sun Q., Yue P., Kirk R., Wang A., Moatti D., Jin X., **Lu B.**, Schecter A., Lippmann M., Chen L., Rajagopalan S. "Ambient Air Particulate Matter Exposure and Tissue Factor Expression in Atherosclerosis", *Inhalation Toxicology*, 2008; Volume 20, Issue 2: 127-137.
73. **Lu B.** and Duijn M. "Reducing Selection Bias using Propensity Score Matching", Proceedings of Academy Colloquium "Advising on Research Methods" by Netherlands Royal Academy of Art and Science (editor reviewed), 2007, 91-106.

74. O'Brien J., **Lu B.**, Ali N., Martin G., Aberegg S., Marsh L., Lemeshow S., Douglas I. "Chronic alcohol abuse (CAA) is independently associated with sepsis, septic shock and hospital mortality among adult intensive care unit patients", *Critical Care Medicine*, 2007; 32(5): 345-350.
75. **Lu B.** "Propensity Score Matching with Time Dependent Covariates", *Biometrics*, 2005; 61: 721-728.
76. Zanutto E, **Lu B**., Hornik R. "Using Propensity Score Subclassification to Evaluate a National Anti-Drug Media Campaign", *Journal of Educational and Behavioral Statistics*, 2005; 30: 59-73.
77. **Lu B.**, Rosenbaum P. "Optimal Pair Matching with Two Control Groups", *Journal of Computational and Graphical Statistics*, 2004; 13: 422-434.
78. Greevy R., **Lu B**., Silber, J. and Rosenbaum, P. "Optimal Multivariate Matching Before Randomization: An Algorithm and a Case-Study", *Biostatistics*, 2004; 5: 263-275.
79. **Lu B**., Zanutto E., Hornik R., Rosenbaum P. "Matching with Doses in an Observational Study of a Media Campaign against Drug Abuse", *Journal of the American Statistical Association*, 2001; 96: 1245-1253.
80. Chen J., Zhang R., **Lu B**. "Statistical Inference about JM Model", *Chinese Journal of Applied Statistics and Probability*, 2001; 17: 403-409.

Manuscripts under Review

(Peer-reviewed, unless otherwise indicated; Names of students/post-doc fellows I directly advised are underlined.)

1. Nattino G. and **Lu B.** "Model Assisted Sensitivity Analyses for Hidden Bias with Binary Outcomes", 2017, submitted to *Biometrics*.
2. Kim H., **Lu B.**, Nehus E., and Kim M. "Estimating Heterogeneous Treatment Effects for Latent Subgroups in Observational Studies", 2017, submitted to *Statistics in Medicine*.
3. He Y., Zhang G., Dienes E., **Lu B.**, and Schenker N. "Multiple-Imputation Diagnostics Using Propensity Scores", 2017, submitted to *Biometrics*.
4. Nattino G., **Lu B.**, Shi J., Lemeshow S., Xiang H. "Triplet Matching for Estimating Causal Effects with Three Treatment Arms: A Comparative Study of Mortality by Trauma Center Level", 2017, under revision at *the Journal of American Statistical Association*.
5. **Lu B.**, Cai D., Tong X. "Testing Causal Effects in Observational Survival Data using Propensity Score Matching Design", 2017, revision submitted to *Statistics in Medicine*.
6. Cai D., **Lu B.**, and Tong X. "Hypothesis Test with Paired Partly Interval Censored Data", 2016, revision submitted to *Acta Mathematicae Appicatae Sinica*.
7. Ashmead R. and **Lu B.** "Weighted and Stratified Estimators for the Population Average Causal Effect with Unequal Sampling Weights", 2015, under revision at *Biometrika*.

8. Keller-Hamilton B., Slater M., **Lu B.**, Friedman K., Yates K., Loiewski C., Roberts M., and Ferketich A. "Electronic cigarette print advertisements from 2014-2016: Content and trends", 2017, submitted to *Tobacco Control*.
9. Zigmont V., Shoben A., **Lu B.**, Kaye G., Clinton S., Harris R., Olivo-Marston S. "Statin Use and its Relationship to Dysglycemia among Nondiabetic Patients with Cardiovascular Disease", 2017, submitted to *Diabetes Care*.
10. Burgoon M., Albani T. Keller-Hamilton B., **Lu B.**, Roberts M., Craigmile P., Browning C., Xi W., and Ferketich A. "Between Home and School: Exposures to the Tobacco Retail Environment among Adolescent Boys", 2017, submitted to *Preventive Medicine*.
11. Evans A., Peters E., Keller-Hamilton B., Loiewski C., Slater M., **Lu B.**, Roberts M., and Ferketich A. "Warning Salience Affects Adolescent Boys' Recollection of Information in Tobacco Advertisements", 2017, submitted to *Nicotine & Tobacco Research*.
12. Mitchell J., Belendiuk K., Howard A., Stehli A., Swanson J., Kennedy T., Hechtman L., Arnold LE., Hoza B., Vitiello B., **Lu B.**, Kollins S., Ph.D., and Molina B. "Cigarette Smoking Progression among Young Adults Diagnosed with ADHD in Childhood: A 16-year Longitudinal Study of Children with and without ADHD", 2017, revision submitted to *Nicotine & Tobacco Research*.
13. Friedman K., Roberts M., Keller-Hamilton B., Yates K., Paskett E., Berman M., Slates M., **Lu B.**, and Ferketich A. "Attitudes towards Tobacco, Alcohol, and Non-Alcoholic Advertisement Themes among Adolescent Boys", 2017, submitted to *Substance Use & Misuse*.

Abstracts

- Ridenhour J., Berzofsky M., **Lu B.**, and Sahr T. "The Benefits of an Increased Cell Phone Allocation for Dual-Frame Surveys to Target Low Socioeconomic Persons", 2016, accepted for poster presentation by the American Association of Public Opinion Research Annual Conference, Austin, TX.
- Susan E Creary, Deena J Chisolm, Terah L Koch, Victoria A Zigmont, **Bo Lu**, and Sarah O'Brien, "Hydroxyurea Use in Children with Sickle Cell Disease: Do Severely Affected Patients Use It and Does It Impact Hospitalization Outcomes?" *Blood* 2015; 126(23):4445. [peer-reviewed]
- Berzofsky M., **Lu B.**, Couzens L., Blanton C., Peterson K., Ridenhour J., Sahr T., Ashmead R., Ferketich A., and Duffy T. "Use of a Reimbursement to Increase the Proportion of Pay-as-you-go Cellphone Respondents", 2015, accepted for presentation by the American Association of Public Opinion Research Annual Conference, Hollywood, FL.
- Peterson K., Berzofsky M., **Lu B.**, Couzens L., Blanton C., Ridenhour J., Sahr T., Ashmead R., Ferketich A., and Duffy T. "Assessing the Use of Cell-Wins to Screen Nonworking Cellphone Numbers in Ohio", 2015, accepted for presentation by the American Association of Public Opinion Research Annual Conference, Hollywood, FL.
- Blanton C., Berzofsky M., **Lu B.**, Peterson K., Couzens L., Ridenhour J., Sahr T., Ashmead R., Ferketich A., and Duffy T. "Methods to Account for Classification

Error in County Assignment Based on Rate Center in a Periodic Survey", 2015, accepted for presentation by the American Association of Public Opinion Research Annual Conference, Hollywood, FL.

- Ridenhour J., Berzofsky M., **Lu B.**, Blanton C., Couzens L., Peterson K., Sahr T., Ashmead R., Ferketich A., and Duffy T. "The Benefits of an Increased Cellphone Allocation for Dual-frame Surveys to Target Low Socioeconomic Persons", 2015, accepted for presentation by the American Association of Public Opinion Research Annual Conference, Hollywood, FL.
- Wang L., **Lu B.**, Wewers ME., Foraker R., Ferketich A. "A Pilot Study of Tobacco Sales and Advertising at the Point of Sale around Schools in Changsha, China", 2015, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Philadelphia, PA
- Roberts ME, Berman ML, Slater MD, Klein EG, Wewers ME, Glover K, Keller B, Hinton A, **Lu B**, and Ferketich AK. "Point-of-Sale Marketing for a Variety of Tobacco Products in Urban and Rural Ohio", 2015, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Philadelphia, PA
- Jin Y., **Lu B.**, Klein E., Berman M., Foraker R., Ferketich A., "Evaluation of the impact of the tobacco free pharmacy initiative in California", 2015, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Philadelphia, PA
- Nemeth J., Thomson T., **Lu B.**, Bonomi A., Peng J., and Wewers ME. "Cumulative gender-based violence exposure score (GBV Score) and its association with current and former smoking", 2015, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Philadelphia, PA
- Orellana R., Hoet A., **Lu B.**, Anderson S., and Stevenson K. "Methicillin-resistant Staphylococcus aureus in Ohio EMS providers: A statewide cross-sectional study", 2014, accepted for presentation at the IDWeek 2014, Philadelphia, PA. (Abstract 47549).
- **Lu B.**, Sahr T., Berzofsky M., Ferketich A., Ridenhour J., Tumin R. "Capturing Minority Populations in Telephone Survey: Experiences from the Ohio Medicaid Assessment Survey Series", 2014, accepted for presentation by the American Association of Public Opinion Research Annual Conference, Anaheim, CA.
- Thomson, T., Nemeth, J., Ferketich, A., **Lu, B.**, Zhu, D., Peng, J. and Wewers, ME., "A Social Network Study of Women in Ohio Appalachia: Recruitment Methodology", 2014, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Seattle, WA.
- Nemeth, J., Wewers, ME., Thomson, T., **Lu, B.**, and Bonomi, A., "Gender-based violence and its association with smoking among women in Ohio Appalachia", 2014, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Seattle, WA.
- Wang L., **Lu B.**, Wewers WE., Foraker R., Ouyang L., Ferketich A. "The Role Pharmacies Play in Smoking Cessation in China", 2014, accepted for presentation by the Annual Conference of Society for Research on Nicotine and Tobacco, Seattle, WA.

- Ing, S., Orchard, T., LaCroix, A., Kooperberg, C., Aragaki, A., Belury, M., Lu, B., Jackson R., "Dietary Fatty Acid Intake Does Not Interact with the Association between Tumor Necrosis Factor-α Soluble Receptors and Incident Hip Fracture in The Women's Health Initiative", 2013, accepted for presentation by the American Society for Bone and Mineral Research Annual Meeting, Baltimore, MD.
- **Lu B.**, Sahr T., Iachan R., Denker M., Duffy T., and Weston, D. "Practical Issues in the Design and Analysis of Dual-Frame Telephone Surveys", 2012, accepted by the 2012 American Association of Public Opinion Research Annual Conference, Orlando, FL.
- Ing, S., Orchard, T., Belury, M., **Lu, B.**, Jackson R., "Red blood cell n-3 and n-6 fatty acid concentrations as predictors of inflammatory and bone markers in The Women's Health Initiative", 2011, accepted by the American Society for Bone and Mineral Research Annual Meeting.
- Orchard, T., Ing, S., Belury, M., **Lu, B.**, Jackson R., "Red Blood Cell n-3 and n-6 Fatty Acids as a Biomarker of Hip Fracture", 2011, accepted by the American Society for Bone and Mineral Research Annual Meeting.
- Iachan, R., Duffy, T., Sahr, T., **Lu, B.** "Nonsampling errors in the Ohio Family Health Survey's cell and landline telephone samples", 2011, Accepted by the 2011 American Association of Public Opinion Research Annual Conference, Phoenix, AZ.
- **Lu, B.,** Li, C., Ferketich, A., Grassi, M. "Causal Inference in Repeated Cross-Sectional Observational Studies", 2010, Proceedings of the International Conference on Statistics and Society, Beijing, China, Statistics and Information Forum 2011; 26(1): 65-66.
- **Lu, B.**, Iachan, R., Sahr, T., Duffy, T., Moloney, M. "Using a Simulation Study to Examine Strategies for Combining Cell & Landline Survey Samples", 2010, Accepted to the 2010 American Association of Public Opinion Research Annual Conference, Chicago, IL.
- Charyton, C., Elliott, J.O., **Lu, B.**, Moore, J.L. "Social support and quality of life in persons with epilepsy.", 2009, Accepted to the 2009 American Epilepsy Society Meeting, Boston, MA, *Epilepsia* 2009;50(S11):60-61. [Peer Reviewed]
- O'Brien, JM, **Lu, B**, Ali, NA, Aberegg, SK, Marsh, CB, Lemeshow, S. 2008. "Patients with Medicare and Medicaid are at Increased Risk of Sepsis and Sepsis-Related Death." Abstract. *Am J Resp Crit Care Med*, 177: A639. American Thoracic Society International Conference. [Peer Reviewed]
- Moore, J.L, Elliott, J.O., **Lu, B.** and Shneker, B.F. "Food security and medication use among persons with a history of epilepsy in poverty, California Health Interview Survey, 2005.", 2008, American Epilepsy Society Meeting, Seattle, WA, *Epilepsia* 2008;49(S7):162. [Peer Reviewed]
- Charyton, C., Elliott, J., Moore, L. and **Lu B.** "Serious psychological distress among persons with a history of epilepsy in poverty, California Health Interview Survey, 2005", 2008, American Epilepsy Society Meeting, Seattle, WA, *Epilepsia* 2008;49(S7):254-255. [Peer Reviewed]
- Elliott, J. **Lu B.** Moore L. and Charyton, C. "Serious mental distress among persons with epilepsy based on the California Health Interview Survey, 2005",

2008,The 8th European Congress on Epileptology, Berlin, Germany. [Peer Reviewed]

- Moore, J.L., Elliott, J.O. and **Lu B.** "Prevalence of epilepsy and health status in Ohio based on the Behavioral Risk Factor Surveillance System, 2006", 2007, American Epilepsy Society Meeting, Philadelphia, PA *Epilepsia* 2007;48(S6):89-90. [Peer Reviewed]

Books and Book Chapters

- Zhang, F. and **Lu, B.** 1996. *C Programming: Just the FAQs (Translation into Chinese)*. Tsinghua University Press, Beijing, China,
- Lu, F. and **Lu, B.** 1997. *C language with applications (in Chinese)*, Peking University Press, Beijing, China, ISBN 7-301-03443-1.
- **Lu B.** and Lemeshow S. 2016. Chapter 18: Survey Sampling and Propensity Score Matching, *Handbook of Psychometric Testing*, Wiley. (in press)

Research Reports

- **Lu, B.**, Jamieson, B., and Sahr, T. "Health Care Trend Among Ohio Seniors", 2013, The 2012 OMAS Sponsored Research Report.
- Dayton, J., Muzzy, S., Denker, M., Ferketich, A., Iachan, R., **Lu, B.**, Molonney, M., Sahr, T. and ZuWallack, R. "2010 Ohio Family Health Survey Methodology Report", 2011.
- Duffy, T., Muzzy, S., Bausch, S., Ferketich, A., Iachan, R., Hannah, K., **Lu, B.**, Martino, P., Pun, M., Sahr, T. and ZuWallack, R. "2008 Ohio Family Health Survey Methodology Report", 2009.
- Levine, D., Karve, S., Seiber, E., Dembe, A., Slivka, A. and **Lu, B**. "Informal Caregiver Assistance among Adults with Cardiovascular Disease in Ohio", 2009, The 2008 OFHS Sponsored Research Reports.

Grants

Active

- 1R01 HS024263-01 (PI: **Lu**) 9/30/2015-7/31/2019 20%
  Agency for Health Care Research and Quality $918,012 (total)
  Causal Inference for Treatment Effect using Observational Healthcare Data with Unequal Sampling Weights
  Role: Principal Investigator

- Research Contract (Subcontract PI: **Lu**) 1/1/2015-5/31/2018 20%
  Patient-Centered Outcomes Research Institute (PCORI) $90,818
  Prime: ME-1403-13922 (PI: Kim)
  Propensity score based methods for CER using multilevel data: What works best when

Role: Principal Investigator of the Subcontract for methodology development

- Research Grant (Subcontract PI: **Lu**) 4/1/2017-3/31/2018 3%
  Nationwide Children's Hospital $57,530 (total)
  Prime: HRSA R40MC30759 (PI: Xiang)
  A National Study of Medical and Rehabilitation Services for U.S. Children with Traumatic Brain Injuries.
  Role: Principal Investigator of the Subcontract

- GRT00049094 (PI: Sahr) 10/8/2017-6/30/2018 10%
  Ohio Department of Medicaid $14,207
  Ohio Medicaid Group 8 Study
  Role: Senior Statistician for Survey Design and Analysis

- ODM201707 (PI: Ferketich) 12/12/2016-6/30/2018 15%
  Ohio Department of Medicaid (Prime: Federal Centers for Medicare and Medicaid Services) $65,090 (first-year)
  2017 Ohio Medicaid Assessment Survey
  Role: Co-PI and Lead Statistician for Survey Design and Analysis

- 1P50CA180908-01 (MPI: Wewers/Shields) 9/1/2013-8/31/2018 8%
  NIH/National Cancer Institute and FDA $2,440,947 (1st year direct costs)
  OSU Center of Excellence in Regulatory Tobacco Science (OSU-CERTS)
  Role: Biostatistician for project 1.

- GRT60046532(PI: Sahr) 9/30/2014-9/30/2018 5%
  Ohio Department of Medicaid (Federal and State) $921,762 (total)
  Examining the Impact of Ohio's Medicaid Expansion: Health Improvement for Ohio's Women and Children
  Role: Co-Investigator

<u>Pending</u>

- T32GRANT12481706 (MPI: Xiang/**Lu**/Taylor) 7/1/2018-6/30/2023 10%
  Agency for Healthcare Research and Quality (AHRQ) $1,488,115 (total)
  Pediatric Trauma Research Training Grants
  Role: Co-Principle Investigator

<u>Completed</u>

- ODM201645 (PI: Sahr) 12/22/2015-6/30/2017 10%
  Ohio Department of Medicaid $477,325 (total)
  Ohio Medicaid Group 8 Study
  Role: Senior Statistician for Survey Design and Analysis

- P50CA105632 (PI: Paskett) 4/1/2010-4/30/2017 10%
  National Institute of Health $9,673,245 (total)

Reducing cervical cancer in Appalachia
Role: Director of the Measurement and Analysis Core for this center grant, Biostatistician for project 1 & 2.

- Collaborative Postdoctoral Research Program (PI: **Lu**) 9/1/15-11/30/16 0%
  OSU College of Public Health and Nationwide Children's Hospital
  Bayesian Causal Inference in Pediatric Trauma Research
  Role: Principal Investigator with Dr. Xiang as co-PI from NCH
  Note: The fund is solely used to support a Biostatistics Post-doc Fellow

- 1505OH5025 (PI: Sahr) 7/30/2014-6/30/2016 25%
  Ohio Department of Medicaid (Prime: Federal Centers for Medicare and Medicaid Services) $3,477,917 (total)
  2015 Ohio Medicaid Assessment Survey
  Role: Lead Statistician for Survey Design and Analysis

- R03HS022277-01 (PI: Xiang) 9/1/2013 – 8/31/2015 5%
  Agency for Healthcare Research and Quality $62,361
  National Study of Undertriage of Trauma Patients
  Role: Co-investigator

- 1R03DA030662-01A1 (PI: **Lu**) 6/01/2011 - 5/31/2014 20%
  National Institute on Drug Abuse/NIH $148,698 (total)
  Causal inference in repeated observational studies
  Role: Principal Investigator

- 1R01OH009585-01A1(PI: Xiang) 9/1/2010-8/31/2013 15%
  CDC/NIOSH $747,197 (total)
  Second Injuries among U.S. Workers with Disabilities
  Role: Co-Investigator

- IPR Methodology Grant (PI: **Lu**) 7/1/2012-6/30/2013 8%
  Institute for Population Research $30,695 (total)
  Prime: NICHD R24 HD058484 (PI: Casterline)
  Causal inference in the effect of a dynamic treatment process with applications to reproductive health
  Role: Principal Investigator of the Subcontract

- GRT00252222 (PI: Friedman) 1/1/12-06/30/13 20%
  Ohio Board of Regents $90,454 (total)
  Ohio Medicaid Assessment Survey
  Role: Co-Investigator/Lead Statistician

- Jean Hankin Research Grant (PI: Jackson) 0%*
  The American Dietetic Association Foundation

Relationship of red blood cell concentrations of n-3 and n-6 polyunsaturated fatty acids to hip fractures in The Women's Health Initiative
Role: Statistician
(*: This is a pilot study and my effort is covered by OSU CCTS research grant.)

- Internal funding 10/1/08-9/30/12 7%
  College of Medicine, OSU $37,500 (total)
  Comprehensive Epilepsy Program Projects
  Biostatistical support for the projects in Comprehensive Epilepsy Program at the Department of Neurology
  Role: Biostatistician

- CCTS Methodology Grant (PI: **Lu**) 10/1/2011-6/30/2012 10%
  OSU Center for Clinical and Translation Science $20,000 (total)
  Prime: NIH CTSA UL1RR025755
  Causal Inference on the Effect of Treatment Delay: An Observational Study of 17P Use in Women with High Risk for Preterm Birth
  Role: Principal Investigator of the Subcontract

- GRT00010480 (PI: Sun) 2/1/2010-6/30/2012 5%
  Health Effect Institute $182,515 (total)
  Diesel Exhaust Exposure and Cardiovascular Dysfunction: ROS Mechanism
  Role: Co-PI

- R21 DK088522 (PI: Rajagopalan) 4/1/2010-3/31/2012 7.5%
  NIDDK/NIH $396,500 (total)
  T regulatory cells as determinants of inflammation in adipose tissue.
  Role: Biostatistician

- CCTS Methodology Grant (PI: Xu) 9/1/2010-8/31/2011 6%
  OSU Center for Clinical and Translation Science $20,000 (total)
  Prime: NIH CTSA UL1RR025755
  Bayesian analysis in group randomized trials
  Role: Co-Investigator

- AGMT DTD 01/23/09 (PI: **Lu**) 1/1/2009-6/30/2011 25%
  The Health Policy Institute of Ohio $20,991
  Ohio Family Health Survey (OFHS)
  Role: Principal Investigator for Methodology

- Research Contract (PI: Rajagopalan) 3/1/2010-2/28/2011 5%
  Novartis AG. $632,072 (total)
  Aliskiren effect on Plaque Progression In Established Atherosclerosis using high Resolution 3D MRI(ALPINE): A Double Blind Placebo Controlled Trial
  Role: Statistician

- GRT00015737 (PI: Stevenson) 7/1/09-6/30/10 11%
  Ohio Department of Public Safety $106,655 (total)
  Reduction of MRSA Colonization in EMS Personnel and Equipment to Prevent Secondary Injury in Ohio Trauma Patients
  Role: Co-PI

- GRT00014893 (PI: **Lu**) 11/1/08-7/31/09 10%
  Nationwide Children's Hospital $14,391 (total)
  Prime: NIOSH/CDC R01 OH008639 (PI: Huiyun Xiang)
  Work-related injuries among immigrant workers
  Role: Principal Investigator of the Subcontract

- OH DPS grant (PI: Stevenson) 7/1/08-9/30/09 6%
  Ohio Department of Public Safety $99,991 (total)
  MRSA Colonization in EMS personnel and Equipment as a Risk Factor for Secondary Infections in Ohio Trauma Patients
  Role: Co-PI

- TA-08-38-12-01 (PI: Levine) 09/04/08-09/30/09 12%
  Ohio Family Health Survey $34,736 (total)
  Ohio Department of Mental Health
  The Impact of Increased Cardiovascular Disease Prevalence on Caregiver Burden in Ohio
  Role: Co-Investigator/Statistician

- Internal funding 10/1/08-6/30/09 10%
  College of Medicine, OSU $7,539
  Pulmonary, Critical Care and Sleep Medicine Projects
  Biostatistical support for the projects on ICU and lung transplant patients
  Role: Biostatistician

- Internal funding 10/1/08-6/30/09 10%
  College of Medicine, OSU $7,539
  The Comprehensive Transplant Center Projects
  Missing data and survival analysis with the kidney transplant patient database
  Role: Biostatistician

- IPR Methodology Grant (Project PI: Salsberry) 7/1/07-9/30/08 5.5%
  Institute for Population Research $51,211
  Prime: NICHD/NIH R21 HD047943-01 (PI: Olsen)
  Early Menarche and Problem Behaviors in Adolescent Girls
  Role: Co-Investigator

- IPR Methodology Grant (Project PI: Reagan) 7/1/07-9/30/08 5.5%
  Institute for Population Research $51,211
  Prime: NICHD/NIH R21 HD047943-01 (PI: Olsen)

Intergenerational Influences on Birth Outcomes
Role: Co-Investigator

- Internal funding 10/1/05-6/30/08 25%
  College of Medicine, OSU $150,000 (total)
  Pulmonary, Critical Care and Sleep Medicine Projects
  Role: Biostatistician

- IPR Methodology Grant (PI: **Lu**) 7/1/06-6/30/07 13%
  Institute for Population Research $19,691 (total)
  Prime: NICHD/NIH R21 HD047943-01 (PI: Olsen)
  Causal Inference in Observational Studies via a Propensity Score Approach
  Role: Principal Investigator of Subcontract

- U01 CA79778 S2 (PI: Gatsonis) 7/1/02-9/30/05 60%
  NCI/NIH $2,460,456 (total)
  Biostatistics data Management Center for NLST
  Role: Protocol Biostatistician

- CA94032 (PI: Gatsonis) 09/17/02-08/31/05 5%
  NCI/ACR (subcontract) $38,895
  ACRIN Fellowship
  Role: Co-Investigator

Oral Presentations

- "Matching with Doses in Observational Studies", Department of Mathematics and Statistics, University of Maryland at Baltimore County, Dec. 2001.
- "Matching with Doses in Observational Studies", Department of Decision and Information Technology, University of Maryland, Jan. 2002.
- "Matching with Doses in Observational Studies", Department of Biostatistics, School of Public Health, Harvard University, Jan. 2002
- "Matching with Doses in Observational Studies", Department of Health Care Policy, Medical School, Harvard University, Jan. 2002
- "Matching with Doses in Observational Studies", Department of Biostatistics, School of Public Health, University of Michigan, Feb. 2002
- "Matching with Doses in Observational Studies", Department of Biostatistics, School of Public Health, University of Pittsburgh, Feb. 2002
- "Matching with Doses in Observational Studies", Department of Statistics and Actuarial Sciences, University of Central Florida, Feb. 2002
- "Matching with Doses in Observational Studies", Center for Statistical Sciences, Department of Community Health, Brown University, Feb. 2002
- "Matching with Doses in Observational Studies", Department of Statistics, Pennsylvania State University, Feb. 2002

- "Matching with Doses in an Observational Study of a Media Campaign against Drug Abuse", the Winner Session of the Student Paper Competition, the Government Statistics, Social Statistics and Survey Research Methods Section, Joint Statistical Meeting, New York City, NY, August, 2002. (Invited)
- "Propensity Score Matching with Time Dependent Covariates", Joint Statistical Meeting, Toronto, ON, Canada, August, 2004.
- "Propensity Score Matching with Time Dependent Covariates", Division of Biostatistics and Epidemiology, School of Public Health, The Ohio State University, March, 2005. (Invited)
- "Sensitivity Analysis in Causal Inference via Bayesian Predictive Densities" (Poster), Valencia International Meeting on Bayesian Statistics, Spain, June, 2006
- "Design Efficiency for Randomized Diagnostic Clinical Trials", Ninth Meeting of New Researchers' Meeting in Statistics and Probability, Seattle, WA, August, 2006.
- "Introduction on Propensity Score Matching", Initiatives in Population Research, The Ohio State University, October, 2006.
- "Implementation of Optimal Matching", Initiatives in Population Research, The Ohio State University, March, 2007.
- "Reducing Selection Bias via Propensity Score Approach", Academy Colloquium "Advising on Research Methods" organized by Netherlands Royal Academy of Art and Science, Amsterdam, Netherlands, March, 2007. (Invited)
- "Optimal Propensity Score Matching in Complex Designs", Initiatives in Population Research, The Ohio State University, May, 2007.
- "Optimal Propensity Score Matching in Longitudinal Studies", Joint Biostatistics Symposium by Case Western Reserve University, Cleveland Clinic Foundation and The Ohio State University, Cleveland, OH, May, 2007. (Invited)
- "Bayesian Sensitivity Analysis in Causal Inference" (Poster), the Sixth Objective Bayesian Workshop, Rome, Italy, June, 2007.
- "Optimal Propensity Score Matching in Longitudinal Studies", Joint Statistical Meeting 2007, Salt Lake City, UT, August 2007. (Invited)
- "Diagnostic Randomized Clinical Trials: Study of Design Efficiency", ENAR 2009, San Antonio, TX, March 2009.
- "Propensity Score Adjustment in Observational Studies", Center for Clinical and Translational Science, The Ohio State University, May, 2009.
- "Cross-time Matching in Observational Studies", Atlantic Causal Modeling Conference 2009, Philadelphia, PA, May 2009. (Invited)
- "Propensity Score Adjustment in Causal Inference", Department of Statistics, Beijing Normal University, Beijing, China, June 2009. (Invited)
- "Cross-time Matching in Observational Studies", 2nd IMS-China International Conference on Statistics and Probability 2009, Weihai, Shandong, China, July 2009. (Invited)
- "Causal Inference and Propensity Score Adjustment", Department of Mathematics and Statistics, Wright State University, October 2009. (Invited)

- "Design and Analysis of a Dual-Frame Telephone Survey", 137th American Public Health Association Annual Meeting, Philadelphia, PA. November 2009. (Invited)
- "Analysis of Missing Data in Clinical Studies", Center for Clinical and Translational Science, The Ohio State University, December, 2009.
- "Causal Inference and Propensity Score Matching in Repeated Observational Studies", Center for Biostatistics, The Ohio State University, March, 2010.
- "Biased associated with Using the Propensity Score as a Regression Predictor", ENAR 2010, New Orleans, LA, March, 2010.
- "Causal Inference and Propensity Score Matching Adjustment", Division of Biostatistics, Indiana University School of Medicine, April, 2010. (Invited)
- "Propensity Score Matching with Time Varying Treatment", Center for Biostatistics, The Ohio State University, April, 2010.
- "Causal Inference and Propensity Score Matching Adjustment", Chinese Center for Disease Control and Prevention, Beijing, China, June, 2010. (Invited)
- "Causal Inference in Repeated Cross-sectional Observational Studies", International Conference on Statistics and Society, Beijing, China, 2010. (Invited)
- "Program Evaluation for a Repeated Cross-sectional Smoking Cessation Study", Joint Statistical Meeting, Vancouver, BC, Canada, August 2010.
- "Evaluation of Repeated Smoking Cessation Studies via Propensity Score Matching Approach", 138th American Public Health Association Annual Meeting, Denver, CO. November 2010. (Invited)
- "Using Propensity Score as a Regression Covariate or Matching: a Comparative Study of Treatment Effect Estimation Bias", 34th Annual Midwest Biopharmaceutical Statistics Workshop, Muncie, IN, May 2011. (Invited)
- "Evaluating long term effects of a psychiatric treatment using instrumental variable and propensity score matching approaches", Center for Homeless Prevention Studies Method Workshop, New York State Psychiatric Institute, New York City, NY, June 2011. (Invited)
- "Causal Inference on the Effect of Treatment Delay: An Observational Study of 17P Use in Women with High Risk for Preterm Birth", Center for Biostatistics, The Ohio State University, November 2011.
- "Propensity Score Analysis in Observational Studies", Shanghai Center for Disease Control and Prevention, Shanghai, China, June 2012. (Invited)
- "Statistical Methods for Comparative Effectiveness Research", Philips Healthcare China, Shanghai, China, June 2012. (Invited)
- "Propensity score analysis in the presence of treatment delay", Second Joint Biostatistics Symposium, Beijing, China, July 2012. (Invited)
- "Causal Link Between Antiepileptic Drugs and Suicide Attempts: A Propensity Score Matching Analysis in Patients with Bipolar Disorder", Joint Statistical Meeting, San Diego, CA, August 2012. (Invited)
- "Practical Issues in Design and Analysis of Dual-Frame Telephone Surveys", ENAR 2013, Orlando, FL, March, 2013.
- "Sensitivity analysis for an observational study on marriage dissolution", Joint Statistical Meeting, Montreal, QC, Canada, August 2013.

- "An Introduction to Sensitivity Analysis for Observational Data", the Tenth International Conference on Health Policy Statistics, Chicago, IL, October 2013. (Short course presentation)
- "Sensitivity of Unmeasured Confounding in Event History Analysis: A Study on the Effect of Cohabitation on Timing of Marital Disruption", Institute for Population Research, The Ohio State University, January, 2014. (Invited)
- "Capturing Special Populations in Telephone Survey: Experiences from OMAS" (Poster), the American Association of Public Opinion Research Annual Conference, Anaheim, CA, May 2014.
- "Estimating Causal Effects in Complex Surveys using Propensity Score Stratification and Weighting", Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data Conference, College Park, MD, May 2014.
- "Survey Data Analysis for Health Research", Summer Program, Center for Public Health Practice, College of Public Health, the Ohio State University, Columbus, OH, June 2014. (Short course presentation)
- "Propensity Score Analysis with Partially Missing Covariates", the Joint Statistical Meeting, Boston, MA, August 2014. (Invited)
- "Propensity Score Adjustment for Estimating Population Causal Effect with Unequal Sampling Weights", Division of Biostatistics and Epidemiology, Cincinnati Children's Hospital, Cincinnati, OH, October 2014. (Invited)
- "Propensity Score Analysis in Health Outcome Research", Department of Epidemiology and Statistics, School of Public Health, Capital Medical University, Beijing, March 2015. (Invited)
- "Propensity Score Analysis in Health Outcome Research", Center for Evidence-Based Medicine, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, March 2015. (Invited)
- "Propensity Score Adjustment for Estimating Population Causal Effect with Unequal Sampling Weights", Department of Statistics, School of Mathematical Sciences, Peking University, Beijing, June 2015. (Invited)
- "Propensity Score Adjustment for Estimating Population Causal Effect with Unequal Sampling Weights", Department of Statistics, School of Mathematical Sciences, Beijing Normal University, Beijing, June 2015. (Invited)
- "Estimating Population Average Effects in Complex Surveys Using Propensity Score Adjustment", The Fifth International Biostatistics Workshop of Jilin University, Changchun, Jilin, China, June 2015. (Invited)
- "Comparative Effectiveness Research using Propensity Score Adjustment: A Population Perspective", ISBS-DIA Joint Symposium on Biopharmaceutical Statistics, Beijing, China, June 2015. (Invited)
- "Estimating Population Average Effects in Observational Data with Unequal Sampling Weights", The Fifth IMS-China International Conference on Statistics and Probability, Kunming, Yunnan, China, July 2015.
- "Causal Inference with Complex Surveys—A Statistical Framework for Evidence-Based Decision Making in Health Care", Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park, MD, September 2015. (Invited)

- "Propensity Score Adjustment for Estimating Population Causal Effect using Health Surveys with Unequal Weights", Department of Statistics and Actuarial Sciences, University of Waterloo, Waterloo, ON, October 2015. (Invited)
- "Causal Inference and Propensity Score Matching Adjustment in Health Sciences", The Research Institute at Nationwide Children's Hospital, Columbus, OH, December 2015. (Invited)
- "A Nonparametric Bayesian Approach for Estimating Heterogeneous Treatment Effect", ENAR 2016, Austin, TX, March, 2016. (Invited)
- "A Nonparametric Bayesian Approach for Estimating Heterogeneous Treatment Effect", ISBA 2016, Cagliari, Italy, June, 2016. (Invited)
- "Causal Inference with Unequal Sampling Weights—Investigating Policy Effect Using Population Health Surveys", the Joint Statistical Meeting, Chicago, IL, August 2016. (Invited)
- "A Nonparametric Bayesian Approach for Estimating Causal Effect", Academy of Mathematics and System Science, Chinese Academy of Sciences, Beijing, China, December 2016. (Invited)
- "Model Assisted Approach for Estimating Average Causal Effect: A Bayesian Perspective", the 10th International Chinese Statistical Association (ICSA) international conference, Shanghai, China, December 2016. (Invited)
- "Bayesian SAE Modeling with Benchmarking and Spatial Smoothing for Estimating Health Policy Impact", ENAR 2017, Washington, DC, March, 2017. (Invited)
- "Nearly-Optimal Matching Algorithm for Triplet Matching", 2017 International Chinese Statistical Association (ICSA) Applied Statistics Symposium, Chicago, IL, June 2017. (Invited)

Professional Activities

National Services:

- Associate Editor for *Journal of Statistical Computation and Simulation*, 2011-present
- Journal Reviewer for
    - Methodological work:
      Annals of Statistics; Journal of the American Statistical Association; Biometrics; Annals of Applied Statistics; Biostatistics; Statistics in Medicine; Bayesian Analysis; Journal of Computational and Graphical Statistics; Journal of Educational and Behavioral Statistics; Technometrics; Statistica Sinica; Health Services and Outcomes Research Methodology; International Journal of Biostatistics; Journal of Statistical Computation and Simulation; Computational Statistics and Data Analysis; Communication in Statistics—Simulation and Computation; Life Time Data Analysis; Statistics and Probability Letters; Statistica Neerlandica; Journal of Biopharmaceutical Statistics; Contemporary Clinical Trials; STATA Journal; American Journal of Epidemiology; Sociological Methodology

- Statistical Applications:
  Journal of American Medical Association; Evaluation Review; Journal of Marriage and Family; Radiology; Medical Decision Making; American Journal of Pathology; Contemporary Economic Policy; Obesity; PLoS One; Circulation: Cardiovascular Quality and Outcomes; Critical Care Medicine

- Grant Proposal Reviewer for
  National Science Foundation: Methodology, Measurement, and Statistics Section (2008, 2010, 2017)
  Initiative in Population Research, OSU, Seed Grant Program (2011, 2013)
  2015 Ohio Medicaid Assessment Survey Sponsored Research Program (2015)
  Medical Research Council, United Kingdom (2016)
  Patient-Centered Outcomes Research Institute (PCORI): Method Consultation (2017)
- Member of Planning Committee for American Statistical Association's Columbus Chapter, 2017- present.
- Member of Health Care Research Training (HCRT) Study Section, Agency for Healthcare Research and Quality (AHRQ), 2017 (invited ad hoc member)
- Member of Eastern North American Region (ENAR) of International Biometric Society 2017 Spring Meeting Program Committee, 2016-2017
- Member of the Ninth International Conference on Health Policy Statistics (ICHPS) scientific organizing committee, 2010-2011
- Member of the Tenth International Conference on Health Policy Statistics (ICHPS) scientific organizing committee, 2012-2013
- Member of the Stata Conference 2015 scientific committee, 2015
- Member of the Stata Conference 2018 scientific committee, 2017- present
- Organizer, invited session on "Causal Inference in Observational Studies", International Conference on Statistics and Society, Beijing, China, 2010.
- Organizer, topic-contributed session on "New Ideas for Matched Analysis in Observational Studies", Joint Statistical Meeting, Vancouver, BC, Canada, 2010.
- Organizer, invited session on "Advanced Bias Adjustment Techniques", 34th Annual Midwest Biopharmaceutical Statistics Workshop, Muncie, IN, 2011.
- Organizer, short course on "Multiple Comparisons for Making Decisions", the Ninth International Conference on Health Policy Statistics (ICHPS), Cleveland, OH, 2011.
- Organizer, invited session on "Causal Inference", International Chinese Statistical Association (ICSA) 2012 Applied Statistics Symposium, Boston, MA, 2012
- Organizer, invited session on "Causal Inference in Biomedical Sciences: Recent Development in Methodology", The 2nd Joint Biostatistics Symposium, Beijing, China, 2012.
- Organizer, short course on "Comparative Effectiveness Research", the Tenth International Conference on Health Policy Statistics (ICHPS), Chicago, IL, 2013.
- Organizer, invited session on "New Developments of Bayesian Methods for Causal Inference", Eastern North American Region (ENAR) of International Biometric Society 2016 Spring Meeting, Austin, TX, 2016.

- Organizer, invited session on "Design and analysis issues with modern population telephone surveys", Joint Statistical Meetings, Chicago, IL, 2016.
- Organizer, invited session on "New Developments of Small Area Estimation Models", Eastern North American Region (ENAR) of International Biometric Society 2017 Spring Meeting, Washington DC, 2017.
- Organizer, invited session on "New Development on Matching Methodology for Causal Inference", 2017 International Chinese Statistical Association (ICSA) Applied Statistics Symposium, Chicago, IL, 2017.
- Organizer, invited session on "New Development for Causal Inference in Health Policy Statistics: A Bayesian Perspective", Joint Statistical Meetings, Baltimore, MD, 2017.
- Organizer, invited session on "Novel Development of Matching Designs for Complex Observational Studies", Joint Statistical Meetings, Vancouver, BC, Canada, 2018.

Local Services:

- Co-Chair of the organizing committee for Global Symposium of Innovation in Trauma Research Methods, 2017- present
- Director, the Measurement and Analysis Core for P50CA105632 Center Grant (Reducing Cervical Cancer in Appalachia), 2012-2016
- Lead Statistician, the Ohio Medicaid Assessment Survey series, 2008-present (surveys conducted in 2008, 2010, 2012, 2015, and 2017).
- Director, Methodology Core of Institute in Population Research, The Ohio State University, 2010-2011, 2012-2014.
- Co-organizer, working group on "propensity score matching in social sciences", Initiative in Population Research, The Ohio State University, 2006-2008.

Professional Affiliations

- Member of the American Statistical Association, 2001—present
- Member of the Institute of Mathematical Statistics, 2003—present
- Member of the International Biometric Society, 2003—present
- Member of the International Chinese Statistical Association, 2007—present
- Member of the American Public Health Association, 2010—present
- Member of Academy Health, 2017—present

Teaching

- The Ohio State University, Oct. 2005—Present
    - Design and Analysis of Studies in the Health Sciences I (for masters of public health)
      Fall 2005 (number of students: 56);
      Winter 2006 (16);
      Fall 2006 (58);

Winter 2007 (31);
Fall 2007 (66);
Spring 2013 (28).

- Design and Analysis of Studies in the Health Sciences II (for masters of public health)
  Winter 2009 (39);
  Spring 2015 (32).
- Statistical Methods for Public Health II (for masters of public health)
  Spring 2007 (32);
  Spring 2008 (24);
  Spring 2009 (13);
  Spring 2010 (17);
  Spring 2011 (18).
- Survey Sampling Methods (for graduate students in Biostatistics/Statistics/ Public Health)
  Winter 2008 (12);
  Winter 2010 (6);
  Winter 2012 (13);
  Fall 2013 (16).
- Applied Statistical Analysis with Missing Data (for graduate students in Biostatistics/Statistics/Public Health)
  Fall 2008 (10);
  Fall 2010 (16);
  Fall 2012 (10);
  Fall 2014 (4);
  Fall 2016 (13).
- Introduction to Causal Inference Health Science Research (for graduate students in Biostatistics/Public Health)
  Fall 2017 (22);
- Biostatistics PhD seminar on research
  Fall 2014 (7);
  Spring 2016 (6).

- Brown University, Sep. 2002—Sep. 2005
  - Introduction to Biostatistics (for masters of public health and undergraduates)
  - Introduction to Regression Analysis (for masters of public health and undergraduates)
  - Regression Analysis for Discrete and Event-time Data (for masters for public health and undergraduates)
  - Principles of Biostatistics and Data Analysis (for Ph.D in Biostatistics and Epidemiology)
  - Modern Method for Categorical Data Analysis (for Ph.D in Biostatistics)
  - Generalized Linear Model (for Ph.D in Biostatistics)
- Instructor, the Wharton School, University of Pennsylvania, Summer 1999
  A semester-equivalent summer course on Introductory Business Statistics

Major Advising Activities

Post-doctoral Fellows

Nathan Doogan, Ph.D in Social Work, 2014-present
OSU Center of Excellence in Regulatory Tobacco Science
Role: Advisor (co-advising with Dr. Wewers)

Megan Roberts, Ph.D in Psychology, 2015-2017
OSU Center of Excellence in Regulatory Tobacco Science
Role: Advisor (co-advising with Dr. Ferketich and Dr. Berman)
Current Position: Assistant Professor, Division of Health Behavior and Health Promotion, College of Public Health, The Ohio State University

Ling Wang, Ph.D in Statistics, 2015-2016
Research topic: "Causal Inference with Bayesian Nonparametric Models for Comparative Trauma Research"
Role: Advisor (co-advising with Dr. MacEachern and Dr. Xiang)
Current position: Assistant Professor of Medicine, Department of Medicine, Michigan State University.

Doctoral Students

- Dissertation Advisor

    - Yuyang Zhang, Ph.D. candidate in Biostatistics, Interdisciplinary PhD Program in Biostatistics, the Ohio State University, 2017- present

    - Giovanni Nattino, Ph.D. candidate in Biostatistics, Interdisciplinary PhD Program in Biostatistics, the Ohio State University, 2016- present. (Co-advised with Dr. Stanley Lemeshow at CPH)

    - Robert Ashmead, Ph.D. in Biostatistics, Interdisciplinary PhD Program in Biostatistics, the Ohio State University, 2012-2014.
      He is the winner of the student paper competition of The Government Statistics, Social Statistics and Survey Research Methods Section of 2014 Joint Statistical Meeting and the winner of the student paper competition of the Health Policy Statistics Section of 2015 Joint Statistical Meeting.
      Dissertation title: "Propensity Score Methods for Estimating Causal Effects from Complex Survey Data"
      Current position: Mathematical Statistician at the Center for Statistical Research and Methodology, Census Bureau.

- Erinn Hade, Ph.D. in Biostatistics, College of Public Health, the Ohio State University, 2007-2012.
  Dissertation title: "Propensity Score Adjustment in Multiple Group Observational Studies: Comparing Matching and Alternative Methods"
  Current position: Research Assistant Professor, Department of Biomedical Informatics, the Ohio State University, Columbus, OH.

- Chih-Lin Li, Ph.D. in Biostatistics, College of Public Health, the Ohio State University, 2008-2011.
  Dissertation title: "Propensity Score Matching in Observational Studies with Multiple Time Points"
  Current position: Senior Biostatistician at Boehringer Ingelheim Pharmaceuticals, Danbury, CT.

- Yan Li, Ph.D. in Biostatistics, College of Public Health, the Ohio State University, 2007-2010. (Co-advised with Dr. Jason Hsu in Statistics Department)
  Dissertation title: "Multiple Comparison in Discrete Data Setting"
  Current position: Senior Statistician at Amylin Pharmaceuticals, San Diego, CA.

- Advisor/Host of Visiting Scholars

  Xingwei Tong, Professor of Statistics (Beijing Normal University), 2016-present

  Dingjiao Cai, Ph.D Candidate in Statistics (Beijing Normal University), 2016-2017

  Zhaonan Li, Ph.D Candidate in Statistics (Peking University), 2015-2016 (Co-advising with Dr. Xinyi Xu)

- Dissertation Committee Member

  Thalia Farietta, Epidemiology, College of Public Health, the Ohio State University, 2016-2017

  Mark Burch, Biostatistics, College of Public Health, the Ohio State University, 2015-2016

  David Kline, Biostatistics, College of Public Health, the Ohio State University, 2014-2015

  Ling Wang, Epidemiology, College of Public Health, the Ohio State University, 2014-2015

Yue Jin, Epidemiology, College of Public Health, the Ohio State University, 2014-2015

Julianna Nemeth, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2013-2015

Shasha Bai, Biostatistics, College of Public Health, the Ohio State University, 2013-2014

Xiaoxi Yao, Health Service and Management Policy, College of Public Health, the Ohio State University, 2012-2014

Muhammad Zeeshan, Health Service and Management Policy, College of Public Health, the Ohio State University, 2010-2013

John Elliot, College of Social Work, the Ohio State University, 2010-2012

Michele Battle-Fisher, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2009-2011

- Candidacy Exam Committee Member

  Brittney Keller-Hamilton, Epidemiology, College of Public Health, the Ohio State University, 2017-present

  Luting Xu, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2016

  Jin Peng, Epidemiology, College of Public Health, the Ohio State University, 2015-2016

  Katie Swidarski, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2015-2016

  Mark Burch, Biostatistics, College of Public Health, the Ohio State University, 2015

  Thalia Farietta, Epidemiology, College of Public Health, the Ohio State University, 2014-2016

  Ling Wang, Epidemiology, College of Public Health, the Ohio State University, 2013-2014

  Yue Jin, Epidemiology, College of Public Health, the Ohio State University, 2013-2014

David Kline, Biostatistics, College of Public Health, the Ohio State University, 2013-2014

Julianna Nemeth, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2012-2013

Shasha Bai, Biostatistics, College of Public Health, the Ohio State University, 2012-2013

Xiaoxi Yao, Health Service and Management Policy, College of Public Health, the Ohio State University, 2011-2012

Muhammad Zeeshan, Health Service and Management Policy, College of Public Health, the Ohio State University, 2009-2010

Paul Rosile, Environmental Health Sciences, College of Public Health, the Ohio State University, 2010-2012

Tim Sahr, Health Behavior and Health Promotion, College of Public Health, the Ohio State University, 2010-2011

Tao Xiao, Biostatistics, College of Public Health, the Ohio State University, 2009-2010

Amit Kulkarni, College of Pharmacy, the Ohio State University, 2006

Rahul Shenolikar, College of Pharmacy, the Ohio State University, 2006

Master Students

- Thesis Advisor

Weiwei Jiao, MS in Biostatistics, College of Public Health, the Ohio State University, 2016-2017.

Danqi Zhu, MS in Biostatistics, College of Public Health, the Ohio State University, 2013-2015.

Peter Sprangers, MS in Biostatistics, College of Public Health, the Ohio State University, 2009-2011.

Brian Palmer, MPH in Biostatistics, College of Public Health, the Ohio State University, 2007-2011.

Committee Services

University

- Chair, Graduate Studies Committee, Interdisciplinary PhD Program in Biostatistics, 2014-2016
- Member, Oversight committee of OSU's Center for Human Resource Research, 2014-2017
- Judge, Denman Undergraduate Research Forum, 2012, 2014

College

- Member, College HOPES Director Search Committee, 2016-2017
- Member, College-wide Faculty Search Committee, 2014-2015
- Member, Biostatistics Division Chair Search Committee, 2014-2015
- Member, College Graduate Studies Committee, 2006-2011
- Member, College PEP Admission Committee, 2008-2013
- Member, College Workload Policy Committee, 2012
- Leading member, Taskforce to establish Fudan-OSU Joint Biomedical Statistics Center, 2011-2012
- Member, College Undergraduate Major Feasibility Study Committee, 2008
- Member, College Diversity Committee, 2006-2007
- Member, College POA Task Force, 2007
- Member, College ad-hoc committee on CV standardization, 2005-2006

Division

- Chair, Division Faculty Search Committee, 2017-present
- Chair, Division Master Admission Committee, 2016-present
- Chair, Division Qualifier II exam committee, 2011- 2014, 2016-2017
- Member, Division Senior Faculty Search Committee, 2011-2012
- Member, Division Junior Faculty Search Committee, 2009-2010
- Member, Division Senior Faculty Search Committee, 2007
- Member, Division Junior Faculty Search Committee, 2007
- Member, Joint Biostatistics Doctoral Program Committee, 2007-2014
- Member, Division Admission Committee, 2005-2006