

Ruiyan Luo

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EDUCATION

- PhD **University of Wisconsin–Madison**, Statistics, 2007.
- MS **Tianjin University, China**, Applied Mathematics, 2002.
- BS **Tianjin University, China**, Applied Mathematics, 2000.

EXPERIENCE

- Assistant Professor, School (Institute) of Public Health, Georgia State University. Fall 2012 – Present.
- Assistant Professor, Department of Mathematics and Statistics, Georgia State University. Fall 2010 – Summer 2012.
- Postdoctoral Associate, Department of Epidemiology and Public Health, Yale University. Fall 2007– Spring 2010.
- Research Assistant, Department of Statistics, University of Wisconsin–Madison. Fall 2003 – Spring 2007.
- Teaching Assistant, Department of Statistics, University of Wisconsin–Madison. Fall 2002 – Spring 2003.

PEER REVIEWED PUBLICATIONS

1. Xin Qi, and **Luo, Ruiyan**. Function on function regression with thousands of predictive curves. (submitted)
2. Xin Qi, and **Luo, Ruiyan**. Predicting multivariate response with thousands of curves. (submitted)

3. **Luo, Ruiyan**, and Xin Qi. Sparse Fisher's discriminant analysis with thresholded linear constraints. (submitted)
4. Praveen Mannam, Navin Rauniyar, TuKiet T. Lam, **Ruiyan Luo**, Patty J Lee, Anup Srivastava. MKK3 influences mitophagy and is involved in cigarette smoke induced COPD. (submitted)
5. **Luo, Ruiyan**, and Xin Qi. Functional wavelet regression for function-on-function linear models. (under revision)
6. **Luo, Ruiyan**, and Xin Qi. Signal extraction approach for sparse multivariate response regression. (2nd round review)
7. **Luo, Ruiyan**, and Xin Qi. Asymptotic optimality of sparse linear discriminant analysis with arbitrary number of classes. (2nd round review)
8. **Luo, Ruiyan**, and Xin Qi (2016) Function-on-function linear regression by signal compression. *Journal of American Statistical Association*. <http://www.tandfonline.com/doi/abs/10.1080/01621459.2016.1164053>
9. Cooper, Hannah LF, Loida Bonney, **Ruiyan Luo**, Danielle F. Haley, Sabriya Linton, Josalin Hunter-Jones, Zev Ross, Gina M. Wingood, Adaora A. Adimora, and Richard Rothenberg (2016) Public Housing Relocations and Partnership Dynamics in Areas with High Prevalences of Sexually Transmitted Infections. *Sexually Transmitted Diseases*. **43(4)**: 222-230
10. Linton, Sabriya L., Hannah LF Cooper, **Ruiyan Luo**, Conny Karnes, Kristen Renneker, Danielle F. Haley, Emily F. Dauria et al. (2016) Changing places and partners: associations of neighborhood conditions with sexual network turnover among African American adults relocated from public housing. *Archives of Sexual Behavior*. 1-12.
11. Li, Shuzhao, Andrei Todor, and **Ruiyan Luo**. (2016) Blood transcriptomics and metabolomics for personalized medicine. *Computational and Structural Biotechnology Journal*. **14**: 1-7.
12. **Luo, Ruiyan**, and Xin Qi (2015) Sparse wavelet regression for multiple predictive curves. *Journal of Multivariate Analysis*. **134**: 33-49.
13. Qi, Xin, and **Ruiyan Luo** (2015) Sparse principal component analysis in Hilbert space. *Scandinavian Journal of Statistics*. **42**: 270-289.

14. Linton, Sabriya L., Hannah LF Cooper, **Ruiyan Luo**, Conny Karnes, Kristen Renneker, Danielle F. Haley, Josalin Hunter-Jones, Zev Ross, Loida Bonney, and Richard Rothenberg. (2015) People and places: relocating to neighborhoods with better economic and social conditions is associated with less risky drug/alcohol network characteristics among African American adults in Atlanta, GA. *Drug and Alcohol Dependence*.
15. Qi, Xin, **Ruiyan Luo**, Raymond J. Carroll, and Hongyu Zhao (2015) Sparse regression by projection and sparse discriminant analysis. *Journal of Computational and Graphical Statistics*. **24(2)**: 416-438.
16. Zhu, Meiyang, Jiang Li, Zhiyuan Li, Wei Luo, Dajun Dai, Scott R. Weaver, Christine Stauber, **Ruiyan Luo**, and Hua Fu (2015) Mortality rates and the causes of death related to diabetes mellitus in Shanghai Songjiang District: an 11-year retrospective analysis of death certificates. *BMC Endocrine Disorders*: 15:45. [DOI: 10.1186/s12902-015-0042-1]
17. Chen, Zhengjia, Ye Cui, Taofeek K Owonikoko, Zhibo Wang, Zheng Li, **Ruiyan Luo**, Michael Kutner, Fadlo R Khuri , Jeanne Kowalski (2014) Escalation with Overdose Control using All Toxicities and Time to Event Toxicity Data in Cancer Phase I Clinical Trials. *Contemporary Clinical Trial*. **37(2)**: 322-332.
18. Qi, Xin, **Ruiyan Luo** and H. Zhao (2013) Sparse principal component analysis by choice of norm. *Journal of Multivariate Analysis*. **114**: 127-160.
19. Nucci, Anita M., Caitlin Sundby Russell, **Ruiyan Luo**, Vijay Ganji, Flora Olabopo, Barbara Hopkins, Michael F. Holick, and Kumaravel Rajakumar (2013) The Effectiveness of a Short Food Frequency Questionnaire in Determining Vitamin D Intake in Children. *Dermato-Endocrinology*. **5(1)**1-6.
20. **Luo, Ruiyan** and Hongyu Zhao (2012) Protein quantitation using iTRAQ: review on the sources of variations and analysis of nonrandom missingness. *Statistics and Its Interface*. **5(1)**: 99-107.
21. **Luo, Ruiyan** and Hongyu Zhao (2011) Bayesian hierarchical modeling for signaling pathway inference from single cell interventional data. *Annals of Applied Statistics*. **5(2A)**: 725-745.
22. Davalos, Alberto, Carlos Fernandez-Hernando, Grzegorz Sowa, Behrad Derakhshan, Michelle I. Lin, Ji Y. Lee, Hongyu Zhao, **Ruiyan Luo**, Christopher Colangelo, and William C. Sessa (2010) Quantitative proteomics of caveolin-1 regulated proteins: Characterization of PTRF/Cavin-1 in endothelial cells. *Mol Cell Proteomics*. **9(10)**: 2109-2124.

23. **Luo, Ruiyan**, Christopher M. Colangelo, William C. Sessa, and Hongyu Zhao (2009) Bayesian analysis of iTRAQ data with nonrandom missingness: identification of differentially expressed proteins. *Statistics in Biosciences*. **1(2)**: 228-245.
24. **Luo, Ruiyan** and Bret Larget (2009) Modeling substitution and indel processes for AFLP marker evolution and phylogenetic inference. *Annals of Applied Statistics*. **3(1)**: 222-248.
25. **Luo, Ruiyan**, Andrew L. Hipp, and Bret Larget (2007). A Bayesian model of AFLP marker evolution and phylogenetic inference. *Statistical Applications in Genetics and Molecular Biology*. **6**, Article 11.
26. Yang, Xiaoguang, **Ruiyan Luo**, and Zhiping Feng (2007) Using amino acid and peptide composition to predict membrane protein types. *Biochemical and Biophysical Research Communications*. **353(1)**: 164-169.
27. **Luo, Ruiyan**, Zhiping Feng, and Jiakun Liu. (2002) Prediction of protein structural class by amino acid and polypeptide composition. *European Journal of Biochemistry*. **269**: 4219-4225.

PAPERS UNDER WORK

- Ayers TL, **Luo R**, Omere R, Ochieng B, Farag TH, Nasrin D, Panchalingam S, Nataro JP, Kotloff KL, Levine MM, Oundo J, Parsons MB, Bopp C, Laserson K, Stauber CE, Breiman RF, Mintz E, O'Reilly CE1 and Hoekstra RM. Comparing model selection methods for assessing etiologies associated with moderate-to-severe diarrhea in children <5 years old, rural western Kenya 2008-2012. (to be submitted)
- Ayers TL, **Luo R**, Omere R, Ochieng B, Farag TH, Nasrin D, Panchalingam S, Nataro JP, Kotloff KL, Levine MM, Oundo J, Parsons MB, Bopp C, Laserson K, Stauber CE, Breiman RF, Mintz E, O'Reilly CE and Hoekstra RM. Identifying clinical profiles for rotavirus among children < 5 years of age with moderate-to-severe diarrhea in rural western Kenya 2008 2012: a classification tree approach. (to be submitted)
- Ayers TL, O'Reilly CE, **Luo R**, Omere R, Ochieng B, Farag TH, Nasrin D, Panchalingam S, Nataro JP, Kotloff KL, Levine MM, Oundo J, Parsons MB, Bopp C, Laserson K, Stauber CE, Breiman RF, Mintz E, and Hoekstra RM. Identifying water, sanitation, and hygiene risk factors among children <5 years old with moderate-to-severe diarrhea in rural western Kenya, 2008-2011: using random forest methods. (to be submitted)

BOOK

- Scott R Weaver, Dajun Dai, Christine Stauber, **Ruiyan Luo**, Richard Rothenberg. (2014) The Urban Health Index: A handbook for its calculation and use. ISBN: 9789241507806. <http://www.who.int/kobecentre/publications/UHIHandbook.pdf>.

PRESENTATIONS

- “Scalars-on-function linear regression with large number of functional predictors” at JSM, Chicago, IL, August 1, 2016.
- “Nonlinear function on function regression with multiple prediction curves” at JSM, Chicago, IL, August 1, 2016.
- “Function on function regression with thousands of predictive curves.” at ICSA 2016 symposium, Atlanta, GA, June, 2016.
- “Functional Regression with Functional Response by Signal Compression” at 2015 JSM, Seattle, WA, August 11, 2015.
- “A Sparse Linear Discriminant Analysis Method with Asymptotic Optimality for Multiclass Classification” at 2014 ICSA-KISS Applied Statistics Symposium, Portland, OR, June 17, 2014.
- “Introduction to Bayesian Statistics” at CDC, Atlanta, GA, May 20, 2013.
- “Sparse regression by projection” at the 27th New England Statistical Symposium, University of Connecticut, April 27, 2013.
- “Biological Network Inference from Genomics Data ” at ICSA 2012 symposium, Boston, MA, June 25, 2012.
- “Inference and analysis of biological networks” at the Department of Mathematics and Statistics, Georgia State University, Atlanta, GA, February 13, 2012.
- “Sparse PCA and PLS by choice of norm” at the Department of Biostatistics and Bioinformatics, Emory University, Atlanta, GA, October 20, 2011.
- “Bayesian hierarchical modeling for signaling pathway inference” at the Department of Biostatistics and Bioinformatics (Bioinformatics group meeting), Emory University, Atlanta, GA, April 22, 2011
- “Bayesian hierarchical models in proteomics studies” at the Department of Mathematics and Statistics, Georgia State University, Atlanta, GA, September 3, 2010.

- “Bayesian hierarchical modeling for signaling pathway inference” at the Department of Mathematics and Statistics, Georgia State University, Atlanta, GA, May 25, 2010.
- “Bayesian hierarchical modeling for signaling pathway inference” at the Department of Mathematics and Statistics, University of New Mexico, Albuquerque, NM, May 3, 2010.
- “Bayesian hierarchical modeling for signaling pathway inference” at the Department of Statistics, Kentucky University, Lexington, KY, January 26, 2010.
- “Bayesian analysis of iTRAQ data with nonrandom missing” at the Joint Statistical Meetings, Washington DC, August 4, 2009.
- “Bayesian analysis of iTRAQ data with nonrandom missing: Identification of differentially expressed proteins” at the 13th NHLBI Proteomics Investigator Meeting, Texas, April 16, 2009.
- “Sub-ID: A model of AFLP evolution and its use in Bayesian estimation of phylogenies” at the Department of Epidemiology and Public Health, Yale University, April 3, 2007.
- “Sub-ID: A model of AFLP evolution and its use in Bayesian estimation of phylogenies” at the Department of Statistics, Chicago University, January, 2007.
- “A model of AFLP Evolution and its use in Bayesian estimation of phylogenies” at the Joint Statistical Meetings, Seattle, August 9, 2006.
- “Bayesian modelling of AFLP data for phylogenetic inference” at the Department of Botany, University of Wisconsin–Madison, March 30, 2006.
- “A Bayesian modeling of AFLP data and phylogenetic inference” at the Joint Statistical Meetings, Minneapolis, August 11, 2005.

POSTERS

- “Time-to-Event Dose Escalation with Overdose Control Method using Continuous Toxicity Scores” by Y. Cui, Z. Chen, Z. Wang, **R. Luo**, and FR Khuri, on Workshop on 2nd Biostatistics and Bioinformatics, Department of Mathematics and Statistics, GSU, 2013.

- “Identification of Differential Gene Pathways with Sparse Principal Component Analysis” by Y. Yin, and **R. Luo**, on 2nd Workshop on Biostatistics and Bioinformatics, Department of Mathematics and Statistics, GSU, 2013.

Abstracts

- Linton SL, Cooper HLF, **Ruiyan Luo**, Karnes CC, Renneker K, Haley DF, Hunter-Jones J, Ross Z, Bonney L, Rothenberg R. People and places: relocating to neighborhoods with better economic and social conditions is associated with less risky drug/alcohol network characteristics among adults in Atlanta, GA. 48th meeting of the Society for Epidemiologic Research (2015). Denver, CO.
- Linton SL, Cooper HLF, **Ruiyan Luo**, Karnes CC, Renneker K, Haley DF, Dauria EF, Hunter-Jones J, Ross Z, Wingood G, Adimora A, Bonney L, Rothenberg R. Relationships between improvements in neighborhood conditions and sexual network dynamics among adults relocating from public housing. 8th Conference on HIV Pathogenesis, Treatment Prevention of the International AIDS Society (2015). Vancouver, BC, Canada.
- K.A. Theis, D. Roblin, C.G. Helmick, **Ruiyan Luo**. Sex differences and similarities in reporting musculoskeletal conditions as common causes of work disability. The 2015 Work, Stress, and Health Conference. Atlanta, GA (2015)
- Sophia A. Banton, **Ruiyan Luo**, Shuzhao Li. Epidemiological analysis of mixed chemical exposure using structural equation models. NIEHS Workshop Statistical Approaches for Assessing Health Effects of Environmental Chemical Mixtures in Epidemiology Studies, July 13–14, 2015; NIEHS Main Campus, Rodbell A, B, C, Research Triangle Park, North Carolina, USA.
- CE STAUBER; MS Natividade; SR Weaver; D Dai; **Ruiyan Luo**; R Rothenberg; M, Kano; A. Prasad; ML Barreto; EA Mota. Examining Social Determinants of Health in Salvador, Bahia, Brazil. International Symposium on Minority Health and Health Disparities (ISMHHD), National Harbor, Maryland. (2014)

SCHOLARLY PRODUCTS: SOFTWARE

- AFLP marker evolution and phylogenetic inference: general and restricted definitions for loci (2007)
- Bayesian hierarchical modeling for signaling pathway inference (2010)

GRANTS

1. Funded

- Principal Investigator, *Hierarchical model for identification of condition-specific networks*, \$7,000, from the Cleon C. Arrington Research Initiation Grant Program (URSA Internal Grants). 07/01/2011–06/30/2012.
- Co-Investigator, *Transnational comparison of Urban Health Indicators and Indices*, \$84,000, from Georgia State University Research initiation cities grant. PI: Richard Rothenberg. 07/01/2013–06/30/2014.
- Co-Investigator, *Evaluation of Nutrition Strategies to Achieve Enteral Autonomy in Children with Short Bowel Syndrome*, from Georgia State University. PI: Anita M Nucci. 11/01/2013–06/30/2014.
- Co-Investigator, *Development of an Urban Health Index Toolkit*, \$25,000, from the WHO Kobe Center (WHO Center for Health Development). PI: Scott Weaver. 12/15/2013–6/30/2014.
- Biostatistician, *Public housing relocations: Impact on HIV risk and drug use*, from NIH- R01 (DA029513-04). PI: Hannah Cooper. Subcontract: The construct and interpret analytic models that test hypotheses about the relationships of changes in neighborhood and network characteristics to changes in sexual health and substance use. 6/1/2014–5/30/2015.
- Co-Investigator, *World Health Association Centre for Health Development Urban Health Index Inter-City Project*. PI: Christine Stauber and Dajun Dai. 8/18/2014–5/31/2015.
- Co-PI, *Establish a Tripartite Collaboration between Georgia State, Hong Kong Baptist University and the University of Cape Town, South Africa*, \$10,000, from Georgia State University. PI: Richard Rothenberg. 12/15/2014–6/15/2015.
- Co-Investigator, *Effectiveness of Functional Strength Training in Virtual Reality Games for Improving Arm Function in Children with Cerebral Palsy A Pilot Sequential Multiple Assignment Randomized Trial (SMART) Design* from the Healthcare Innovation Program in collaboration with the Atlanta Clinical & Translational Science Institute and Georgia State University (HIP-ACTSI-GSU Seed Grant). PI: Yuping Chen. 2/1/2016 – 1/31/2017

2. Pending

- Biostatistician, *E-cigarettes Toxicity On Endothelial Progenitor Cells From Newborns*, from NIH. PI: Dora Il'yasova.

- Biostatistician, *Variability Of Responses To Metabolic Disruptors In Human Newborns*, from NIH. PI: Dora Il'yasova.

3. Not funded

- Co-PI, *Local Methods For Parametric And Nonparametric Estimation In Differential-algebraic Equations*, from NSF. PI: Xin Qi.
- Co-Investigator Biostatistician, *Metabolic Disparities Underlying Racial Differences In Urinary F2-isoprostanes: A Step Toward Targeted Interventions*, from NIH. PI: Dora Il'yasova.
- Co-Investigator Biostatistician, *Feasibility Study Of Home-based Locomotor Intervention In Young Children With Down Syndrome*, from NIH. PI: Jianhua Wu.
- Co-Investigator Biostatistician, *Feasibility Study Of Bone Mineral Accrual In Boys With Down Syndrome: A Longitudinal Design*, from NIH. PI: Jianhua Wu.
- Co-Investigator Biostatistician, *An Adaptive Intervention For Retention In Hiv Care*, from NIH/NIDA. PI: Richard Rothenberg.
- Co-Investigator Biostatistician, *Expansion and refinement of an Urban Health Index*, \$100,000, from World Health Organization. PI: Richard Rothenberg.
- Co-Investigator, *Prospective Examination Of Nutrition And Feeding Problems In Premature Infants*, from NIH. PI: Anita M Nucci.
- Co-Investigator, *An Us-UK-China Trilateral Partnership To Study The Health Effects Of Environmental Pollution*, from Us Department Of State. PI: Richard Rothenberg.
- Co-PI, *Sparse regression by projection and its application in high-dimension statistics*, \$148,447, from NSF. PI: Xin Qi. 08/16/2013—08/15/2016.
- Co-PI, *SUNCOR-sparse uncorrelated components for dimension reduction in high-dimensional problems*, \$137,991, from NSF. PI: Xin Qi. 08/16/2012—08/15/2014.
- Co-Investigator, *Impact of exercise intervention in adults with Down syndrome*, \$144,500, from NIH. PI: Jianhua Wu. 07/01/2012—06/30/2014.
- Co-Investigator, *National health disparities data and research coordinating center (NHDDRCC)*, \$5,176,844, from NIH. PI: Richard Rothenberg. 09/01/2011—08/31/2016.
- Co-Investigator, *Bone mineral accrual in children and adolescents with Down syndrome*, \$289,000, from NIH. PI: Jianhua Wu. 09/01/2011—08/31/2013.

- PI, *Joint modeling multiple graphs for causal network inference and studies of condition-specific interactions*, \$56,817, from NSF. 06/16/2011—06/15/2013.

DISSERTATION

Title: Bayesian study of AFLP Data in phylogenetic inference.
Advisor: Bret Larget.

REVIEWER

Review papers submitted for publication in Journal of the American Statistical Association, Annals of Applied Statistics, Biometrics, Computational Statistics and Data Analysis, Mathematical Biosciences, Plantcell, Statistical Papers, Journal of Statistical education.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

The American Statistical Association (ASA)

COURSES TAUGHT

- Regular course
 - Applied Correlation and Regression (PH8170) in Spring 2013.
 - Applied Multivariate Statistics (STAT 8090), in Fall 2011.
 - Biostatistics (MATH4544/6544 & BIOL4744/6744), in Fall 2010.
 - Biostatistics II (PH8027) in Fall 2012, Fall 2013, Fall 2014.
 - Categorical data analysis (PH7029) in Spring 2014, Spring 2015, Fall 2015.
 - Elementary Statistics (MATH1070), in Spring 2011, Spring 2012.
 - Fundamentals of Biostatistics II (PH7027), in Fall 2015, Spring 2016.
 - Mathematical Statistics I (MATH4751/6751), in Spring 2011, Fall 2011.
 - Public Health Biostatistics (PH7017) in Spring 2013.
 - Topics of Inference in Biostatistics (PH7028) in Fall 2013, Fall 2014.
- Directed reading (PH8910)
 - Statistical programming with R in Summer 2010.

- Using classification methods for analysis of public health data in Fall 2014.
- Guest lecture
 - Introduction to Bayesian Statistics
 - Introduction to high dimensional data analysis

AWARD FOR GRADUATE STUDENTS

- Ye Cui. Dissertation: “Advanced Designs of Phase I and Phase II Cancer Clinical Trials”.
Awarded Dissertation Grant of FY 2013 at Georgia State University.

THESIS/DISSERTATION SUPERVISION

- Chair for the dissertation committee (Department of Mathematics and Statistics):
 - Israel Hora (2010-now): “Bayesian hierarchical modeling of the prevalence of diabetes in the United States”.
 - Ye Cui (defended on May 13, 2013): “Advanced Designs of Phase I and Phase II Cancer Clinical Trials”.
- Chair for the thesis committee (School of Public Health):
 - Everett Allen (2012 Fall-2013 Spring): “An Investigation of Perceived Stress on Cardiovascular Health over time measured by Ultrasound Carotid IMT”.
 - David Yankey (2014 Spring-2014 Fall): “Study of human papillomavirus vaccination status in US”.
 - Yanjue Wu (2014 Summer-2014 Fall): “Asthma Related with Vog Exposure in Schoolchildren on Hawaii Island”.
 - Zanju Wang (2014 Fall-2015 Spring): “Latent Tuberculosis Infection among Immigrant and Refugee Children Aged 2-14 Years Who Arrived in the United States in 2008-2012”.
 - Sophia Banton (2014 Summer-2015 Summer): “Pathway group lasso for integrating metabolomics and transcriptomics”.

- Nicholas Johnson (2015 Summer-2016 Spring): “ Modeling Non-Linear Relationships Between DNA Methylation And Age: The Application of Regularization Methods To Predict Human Age And The Implication Of DNA Methylation In Immunosenescence”.
- Chair for the thesis committee (Department of Mathematics and Statistics):
 - Laura Vezquez (March 29, 2012), “Sparse uncorrelated canonical correlation analysis”.
 - Yichao Yin (April 5, 2013), “Identification of differential gene pathways with sparse principal component analysis”.
 - Benjamin Fredua (2012-April 23, 2015), “Multinomial logistic regression analysis of varicella vaccination-2011 national immunization survey (NIS) – teen survey data”.
- Dissertation committee member (School of Public Health):
 - Kristina A. Theis (December 2, 2014), “Arthritis Impact on Employment Participation among U.S. Adults: A Population-Based Perspective”.
 - Tracy L Ayers (March 25, 2016), “Machine learning approaches for assessing moderate-to-severe diarrhea in children < 5 years of age, rural western Kenya 2008-2012”.
- Dissertation committee member (Department of Mathematics and Statistics):
 - Haochuan Zhou (November 17, 2011), “Statistical inferences for the Youden index”.
 - Yanhong Wang (November 25, 2013), “Clustering, classification, and factor analysis in high dimensional data analysis”.
 - Xiaoyuan Wang (November 21, 2014), “Data mining analysis of the parkinson’s disease”.
 - Chenxue Li (July 2016), “Some novel statistical inferences”.
- Thesis committee member (School of Public Health):
 - David Melton (December 4 2014), “Oxidative status and hypertension: an examination of the prospective association between urinary F2-Isoprostanes and hypertension”.
 - Noreen Kloc (Decembr 7, 2015), “Insulin Dynamic Measures and Weight Change”.

- Thesis committee member (Department of Mathematics and Statistics):
 - Yueheng An (2010 Fall), “Empirical likelihood confidence intervals for ROC curves with missing data”.
 - Zhengbo Ma (April 20, 2011), “Jackknife empirical likelihood for U-statistics”.
 - Gabriella Reizer (April 18, 2011), “Stability selection of the number of clusters”.
 - Fang-di Yang (September 25, 2012), “Racial differences in the prevalence of depressive disorders among US adult population”.
 - Yunfeng Tie (April, 2013), “Antiretroviral regimens in HIV-infected adults receiving medical care in the united states: medical monitoring project, 2009”.
 - Wen Zhou (Fall 2013), “Classification for 2011-2012 Bangladesh integrated household survey by iterative clustering technique”.
 - Yanan Yin (November 15, 2013), “Jackknife empirical likelihood-based confidence intervals for low income proportions with the missing data”.
 - Chenxue Li (November 15, 2013), “Generalized confidence intervals for partial Youden Index and its corresponding optimal cut-off point”.
 - Yan Qian (July 16, 2014), “MRI signal intensity analysis of novel protein-based MRI contrast agents”.

DEPARTMENT SERVICE

- Member of Ad Hoc Biostatistics Committee in School of Public Health (2014 Fall–present)
- Prepare and grade biostatistics problems in SPH comprehensive exam for PhD students (2012-2016)
- Member of TT and NTT Biostatistics Faculty Search Committee in School of Public Health (2013 Fall–2014 Spring)
- Member of the Admission Committee in Institute of Public Health (2013 Spring, 2014 Spring, 2016 Spring)
- Member of the Academic Affair Committee in Institute of Public Health (2012 Fall – Present)
- Member of Admission Committee in the Department of Mathematics and Statistics (2011 – 2012)

- Member of Visiting Lecturer Hiring Committee (2011 Spring).
- Committee member of PhD students (Statistics) qualify exams in 2010 Fall and 2011 Spring.
- Committee member of Statistics Graduate Committee in the Department of Mathematics and Statistics (2010 – 2012)