

Jing Qian

Contact Information

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 University of Massachusetts
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 Amherst, MA 01003

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Education and Training

2009-2011	Postdoctoral Fellow	Harvard T.H. Chan School of Public Health, Boston, MA <i>Advisor:</i> Rebecca Betensky
2009	Ph.D. in Biostatistics	Emory University, Atlanta, GA <i>Dissertation:</i> "Analysis of Outcomes With Induced Dependent Censoring: Medical Cost and Successive Durations" <i>Advisor:</i> Yijian (Eugene) Huang
2002-2004	M.S. Candidate in Probability and Statistics	Renmin University of China, Beijing, China
2002	B.S., in Statistics	Renmin University of China, Beijing, China

Professional Experience

2011-present	Assistant Professor, Department of Biostatistics and Epidemiology, University of Massachusetts, Amherst, MA
2009-2011	Research Fellow, Department of Biostatistics, Harvard University, Boston, MA
2007-2009	Statistical Consultant, Biostatistics Consulting Center, Emory University, Atlanta, GA
2007-2007	Statistical Consultant, Fuqua Center for Late-life Depression, the Wesley Woods Center on Aging and Emory University, Atlanta, GA
2004-2009	Research Assistant, Department of Biostatistics and Bioinformatics, Emory University, Atlanta, GA
2005-2007	Teaching Assistant, Department of Biostatistics and Bioinformatics, Emory University, Atlanta, GA

Honors and Awards

2014	Travel Award, IMS Junior Researcher Conference
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2013	Travel Award, NISS/ASA Writing Workshop for Junior Researchers
2013	Travel Award, ENAR Workshop for Junior Biostatisticians in Health Research
2013	Open Education Initiative Award, Provost's Office and the University Libraries, University of Massachusetts, Amherst, MA
2012	Dean's Professional Development Award, School of Public Health and Health Sciences, University of Massachusetts, Amherst, MA
2008	ENAR Distinguished Student Paper Award, International Biometric Society/ENAR
2008	R.L. Anderson Award of Summer Research Conference on Statistics, American Statistical Association
2003	Fei Xiaotong Scholarship, Fei Xiaotong Education Fund, China
2001	City University of Hong Kong President's Scholarship
2000	Excellent Student Scholarship, Renmin University of China

Research Interests

Statistical Methodology: Survival analysis under complex sampling, including dependent censoring, dependent truncation, and nested case-control study design; Quantile regression; Treatment of censored covariates; Biomarker evaluation and risk prediction; Semiparametric and nonparametric inferences; Analytic methods for characterizing the relationships among high-dimensional genomic data and measures of disease progression.

Subject-matter Application: Alzheimer's disease studies; Cancer epidemiological studies; Clinical trials.

Research Funding

Current:

- 1. Treatment of randomly censored covariates in Alzheimers disease studies**
Role: Principal Investigator
Funding Agency: NIH/NIA (R21AG053695)
Period: 8/1/2016 – 5/31/2018
- 2. Statistical methods for censored and dependently truncated data**
Role: Subcontract PI
Project PI: Rebecca Betensky (Harvard T. H. Chan School of Public Health)
Funding Agency: NIH/NINDS (R01NS094610)
Period: 7/1/2016 – 6/30/2020
- 3. Endogenous hormones and postmenopausal breast cancer: etiologic insights and improving risk prediction**
Role: Co-Investigator
Project PI: Susan Hankinson
Funding Agency: NIH/NCI (R01CA207369)
Period: 6/15/2017 – 03/31/2022

Completed:

- 1. Statistical methods for analysis of failure time data**
Role: Subcontract PI
Project PI: Rebecca Betensky (Harvard T. H. Chan School of Public Health)
Funding Agency: NIH/NCI (R01CA075971)
Period: 9/1/2011 – 08/31/2013

2. **Biochemical markers in the nurses' health study cohort**
 Role: Co-Investigator
 Project PI: Susan Hankinson
 Funding Agency: NIH/NCI (R01CA075971)
 Period: 9/1/2011 – 8/31/2016
3. **Translational Neurology Core**
 Role: Statistician
 Project PI: Rebecca Betensky (Harvard T. H. Chan School of Public Health)
 Funding Agency: Harvard NeuroDiscovery Center
 Period: 9/1/2011 – 6/30/2017
4. **Alzheimer's prevention initiative APOE4 trial**
 Role: Subcontract PI
 Project PI: Eric Reiman (Banner Alzheimer's Institute)
 Funding Agency: NIH/NIA (UF1AG046150)
 Period: 11/1/2014 – 10/31/2016
5. **Methods for high-dimensional data in HIV/CVD research**
 Role: Subcontract PI
 Project PI: Andrea Foulkes (Mount Holyoke College)
 Funding Agency: NIH/NHLBI (R01HL107196)
 Period: 9/1/2013 – 1/31/2017
6. **Depression, antidepressant use and breast cancer risk**
 Role: Co-Investigator
 Project PI: Katherine Reeves
 Funding Agency: NIH/NCI (R03CA186228)
 Period: 4/3/2014 – 03/31/2017
7. **Flexible regression methods for survival data subject to biased sampling**
 Role: Principal Investigator
 Funding Agency: Faculty Research Grant/Healey Endowment Grant, University of Massachusetts
 Period: 1/1/2016 – 6/30/2017
8. **Lipophilic vs. Hydrophilic Statin Exposure and Post-Mortem Neuropathology**
 Role: Statistical Consultant
 Project PI: Aaron Koenig (Massachusetts General Hospital)
 Funding Agency: NIH/NIA (U01AG016976)
 Period: 1/1/2016 – 9/15/2017

Peer-reviewed Publications

(student or postdoc advisees are indicated by an underline)

1. Lu, D.Y., **Qian, J.**, Easley, K.A., Waldrop, S.M. and Cohen, C. (2009). Automated in situ hybridization and immunohistochemistry for cytomegalovirus detection in paraffin-embedded tissue sections. *Applied Immunohistochemistry & Molecular Morphology* **17**, 158-164.
2. Cerwinka, W.H., **Qian, J.**, Easley, K.A., Scherz, H.C. and Kirsch, A.J. (2009). Appearance of dextranomer/hyaluronic acid copolymer implants on computed tomography scan after endoscopic treatment of vesicoureteral reflux in children. *The Journal of Urology* **181**, 1324-1329.
3. Anderson, A.M., Mehta, A.K., Wang, Y.F., **Qian, J.**, Easley, K.A., and Nguyen, M.L. (2010). HIV-associated histoplasmosis in a nonendemic area of the United States during the HAART era: role of migration from endemic areas and lack of antiretroviral therapy. *Journal of the International Association of Physicians in AIDS Care*, **9**, 296-300.
4. Shah, N.S., Force, S.D., Mitchell, P.O., Lin, E., Lawrence, E.C., Easley, K.A., **Qian, J.**, Ramirez, A.M., Neujahr, D.C., Gal, A., Leeper, K.V., and Pelaez, A. (2010). Gastroesophageal reflux disease

- is associated with an increased rate of acute rejection in lung transplant allografts. *Transplantation Proceedings*, **42**, 2702-2706.
5. Saint-Elie, D.T., Patel, P., Healy, K.A., Solomon, T., Pattaras, J.G., **Qian, J.**, Master, V. and Ogan, K. (2010). The impact of income and education on dietary habits in stone formers. *Urology*, **76** (2), 307-313.
 6. **Qian, J.** and Peng, L. (2010). Censored quantile regression model with partially functional effects. *Biometrika*, **97** (4), 839-850.
 7. Clark, D.E., **Qian, J.**, Winchell, R.J. and Betensky, R.A. (2012) Hazard regression models of early mortality in trauma centers. *Journal of the American College of Surgeons*, **215** (6), 841-849.
 8. Clark, D.E., **Qian, J.**, Sihler, K.C., Hallagan, L. D. and Betensky, R.A. (2012) The distribution of survival times after injury. *World Journal of Surgery*, **36** (7), 1562-1570.
 9. Serrano-Pozo, A., **Qian, J.**, Monsell, S.E., Frosch, M.P., Betensky, R.A. and Hyman, B.T. (2013) Examination of the clinicopathologic continuum of Alzheimer disease in the autopsy cohort of the National Alzheimer Coordinating Centers. *Journal of Neuropathology & Experimental Neurology*, **72**(12), 1182-1192.
 10. Ramachandran, K., Saikumar, J., Bijol, V., Koyner, J.L., **Qian, J.**, Betensky, R.A., Waikar, S.S. and Vaidya, V.S. (2013) Human miRNome profiling identifies differentially expressed urinary microRNAs in kidney injury. *Clinical Chemistry*, **59**(12), 1742-1752.
 11. Kemmling, A., Lev, M.H., Payabvash, S., Betensky, R.A., **Qian, J.**, Masrur, S. and Schwamm, L.H. (2013) Hospital acquired pneumonia is linked to right hemispheric peri-insular stroke. *PLOS ONE*, **8**(8): e71141.
 12. Tworoger, S.S., Eliassen, A.H., Zhang, X., **Qian, J.**, Sluss, P., Rosner, B.A. and Hankinson, S.E. (2013) A 20-year prospective study of plasma prolactin as a risk marker of breast cancer development. *Cancer Research*, **73**(15), 4810-4819.
 13. Pellegrini, L., Rodriguez-Monguio, R. and **Qian, J.** (2014) The US healthcare workforce and the labor market effect on healthcare spending and health outcomes. *International Journal of Health Care Finance and Economics*, **14**, 127-141.
 14. Serrano-Pozo, A., **Qian, J.**, Monsell, S.E., Blacker, D., Gómez-Isla, T., Betensky, R.A., Growdon, J.H., Johnson, K., Frosch, M.P., Sperling, R.A. and Hyman, B.T. (2014) Mild to moderate Alzheimer dementia with insufficient neuropathological changes. *Annals of Neurology*, **75**, 597-601.
 15. **Qian, J.** and Betensky, R.A. (2014) Assumptions regarding right censoring in the presence of left truncation. *Statistics & Probability Letters*, **87**, 12-17.
 16. **Qian, J.**, Payabvash, S., Kemmling, A., Lev, M.H., Schwamm, L.H., and Betensky, R.A. (2014) Variable selection and prediction using a nested, matched case-control study: Application to hospital acquired pneumonia in stroke patients. *Biometrics*, **70**, 153-163.
 17. Tworoger, S.S., Zhang, X., Eliassen, A.H., **Qian, J.**, Colditz, G.A., Willett, W.C., Rosner, B.A., Kraft, P. and Hankinson, S.E. (2014) Inclusion of endogenous hormone levels in risk prediction models of postmenopausal breast cancer. *Journal of Clinical Oncology*, **32**, 3111-3117.
 18. Jamison, R.N., Martel, M.O., Edwards, R.R., **Qian, J.**, Sheehan, K.A., and Ross, E.L. (2014) Validation of a brief Opioid compliance checklist for patients with chronic pain. *Journal of Pain*, **15**, 1069-1202.
 19. Brown, S.B., Hankinson, S.E., Eliassen, A.H., Reeves, K.W., **Qian, J.**, Arcaro, K., Wegrzyn, L.R., Willett, W.C. and Schernhammer, E.S. (2015) Urinary melatonin and risk of breast cancer in the Nurses' Health Study II. *American Journal of Epidemiology*, **181**(3), 155-162.
 20. Serrano-Pozo, A., **Qian, J.**, Monsell, S.E., Betensky, R.A. and Hyman, B.T. (2015) Apolipoprotein E ϵ 2 is associated with milder clinical and pathological Alzheimer's disease. *Annals of Neurology*, **77**(6), 917-929.

21. Wu, H., Reeves, K.W., **Qian, J.** and Sturgeon, S.R. (2015) Coffee, tea, and melanoma risk among postmenopausal Caucasian women. *European Journal of Cancer Prevention*, **24(4)**, 347-352.
22. Reed, E., Nunez, S., Kulp, J., **Qian, J.**, Reilly, M.P. and Foulkes, A.S. (2015) A guide to genome-wide association analysis and post-analytic interrogation. *Statistics in Medicine*, **34(28)**, 3769-3792.
23. Brown, S.B., Hankinson, S.E., Arcaro, K.F., **Qian, J.**, and Reeves, K.W. (2016) Depression, Antidepressant Use and Postmenopausal Breast Cancer Risk. *Cancer Epidemiology, Biomarkers & Prevention*, **25(1)**, 158-164.
24. **Qian, J.**, Reed, E., Nunez, S., Reilly, M.P. and Foulkes, A.S. (2016) A simple test of class-level genetic association can reveal novel cardiometabolic trait loci. *PLOS ONE*, **11(2)**: e0148218
25. Serrano-Pozo, A., **Qian, J.**, Muzikansky, A., Monsell, S.E., Montine, T.J., Frosch, M.P., Betensky, R.A. and Hyman, B.T. (2016) Thal amyloid stages do not significantly impact the correlation between neuropathological change and cognition in the Alzheimer disease continuum. *Journal of Neuropathology & Experimental Neurology*, **75(6)**, 516-526.
26. Reeves, K.W., Okereke, O., **Qian, J.**, Tworoger, S., Rice, M.S. and Hankinson, S.E. (2016) Antidepressant use and circulating prolactin levels. *Cancer Causes and Control*, **27(7)**:835-861.
27. Atem, F., **Qian, J.**, Maye J.E., Johnson, K.A. and Betensky, R.A. (2016) Multiple imputation of a randomly censored covariate improves logistic regression analysis. *Journal of Applied Statistics*, **43(15)**:2886-2896.
28. Atem, F., **Qian, J.**, Maye J.E., Johnson, K.A. and Betensky, R.A. (2017) Linear regression with a randomly censored covariate: Application to an Alzheimer's study. *Journal of the Royal Statistical Society: Series C*, **66(2)**:313-328.
29. **Qian, J.**, Wolters, F., Beiser, A., Hann, M., Ikram, A., Karlawish, J., Langbaum, J.B., Neuhaus, J.M., Reiman, E.M., Seshadri, S., Tariot, P.N., Woods, B.M., Betensky, R.A. and Blacker, D. (2017) APOE-related risk of mild cognitive impairment and dementia for prevention trials: an analysis of four cohorts. *PLOS Medicine*, **14(3)**: e1002254.
30. **Qian, J.**, Hyman, B.T. and Betensky, R.A. (2017) Neurofibrillary tangle stage and the rate of progression of Alzheimer symptoms: Modeling using an autopsy cohort and application to clinical trial design. *JAMA Neurology*, **74(5)**:540-548.
31. **Qian, J.**, Nunez, S., Kim, S., Reilly, M.P., and Foulkes, A.S. (2017) A score test for class-level association with non-linear biomarker trajectories. *Statistics in Medicine*, **36(19)**:3075-3091.
32. Farrell, J.A., Cordeiro, L., **Qian, J.**, Sullivan-Werner, L. and Peterman, J.N. (2017+) Food affordability, food security, and the expanded food and nutrition education program. (in press, *Journal of Hunger and the Environment*, DOI: 10.1080/19320248.2017.1315326)
33. Reeves, K.W., Okereke, O., **Qian, J.**, Tamimi, R., Eliassen, H. and Hankinson, S.E. Depression, antidepressant use and breast cancer risk in pre- and postmenopausal women: a prospective cohort study. (accepted, *Cancer Epidemiology, Biomarkers & Prevention*).

Software Package Development

1. *GenCAT*: An R package for class-level genetic association testing.
<https://CRAN.R-project.org/package=GenCAT>
2. *censCov*: An R package for linear regression with a randomly censored covariate.
<https://CRAN.R-project.org/package=censCov>

Press

1. "Selecting Trial Participants Based on Tangle Pathology Might Improve Power", *Alzforum*, March 18, 2017.

Presentations

Invited Talks:

1. **Semiparametric inference for successive durations** — Neurostatistics Working Group, Department of Biostatistics, Harvard School of Public Health, December 2009.
2. **Identify brain regions of acute infarction linked to hospital-acquired pneumonia in ischemic stroke patients** — Neurostatistics Working Group, Department of Biostatistics, Harvard School of Public Health, September 2010.
3. **Statistical analysis of outcomes subject to induced dependent censoring** — Division of Biostatistics and Epidemiology, University of Massachusetts, Amherst, MA, March 2011.
4. **Statistical analysis of outcomes subject to induced dependent censoring** — Department for Epidemiology and Biostatistics, University of South Carolina, Columbia, SC, March 2011.
5. **Statistical analysis of outcomes subject to induced dependent censoring** — Department of Biostatistics, MD Anderson Cancer Center, Houston, TX, April 2011.
6. **Estimating the survival in the presence of dependent truncation** — International Chinese Statistical Association (ICSA) 2012 Applied Statistics Symposium, Boston, MA, June 2012.
7. **Censored quantile regression model with partially functional effects** — Second Joint Biostatistics Symposium, Beijing, China, July 2012.
8. **Adjustment of dependent truncation with inverse probability of weighting** — The 27th New England Statistical Symposium, Storrs, CT, April 2013.
9. **Adjustment of dependent truncation with inverse probability of weighting** — Neurostatistics Working Group, Department of Biostatistics, Harvard University, Boston, MA, May 2013.
10. **Statistical methods for analyzing censored medical cost and sojourn time in progressive disease process** — Department of Quantitative Health Sciences, University of Massachusetts Medical School, Worcester, MA, November 2013.
11. **Regression analysis methods for biomedical research** — Division of Cardiac and Thoracic Anesthesia, Brigham and Womens Hospital, Boston, MA, December 2013.
12. **Threshold regression with censored covariates** — Emerging Information and Technology Association Conference on New Media and Biomedical Research, Cambridge, MA, July 2014.
13. **Quantile regression for survival data with delayed entry** — Department of Statistics, University of Connecticut, Storrs, CT, October 2014.
14. **Threshold regression with censored covariates** — Neurostatistics Working Group, Department of Biostatistics, Harvard University, Boston, MA, November 2014.
15. **Adjust for selection bias and mediation analysis in Alzheimer's disease studies** — Symposium on Statistical Issues in the Analysis of Neurological Studies, Boston, MA, November 2014.
16. **Quantile regression for survival data with delayed entry** — The 29th New England Statistical Symposium, Storrs, CT, April 2015.
17. **Threshold regression with censored covariates** — International Chinese Statistical Association (ICSA) 2015 Applied Statistics Symposium, Fort Collins, CO, June 2015.
18. **Threshold regression with censored covariates** — Renmin University of China, Beijing, China, June 2015.
19. **Quantile regression for survival data with delayed entry** — International Chinese Statistical Association (ICSA) Statistics Conference, Shanghai, China, July 2015.
20. **Thresholding regression with random censored covariates** — Joint Statistical Meetings, Seattle, WA, August 2015.

21. **Regression analysis with censored covariates** — Neurostatistics Working Group, Department of Biostatistics, Harvard University, Boston, MA, February 2016.
22. **Quantile regression for survival data under biased sampling** — Center for Quality of Care Research, Baystate Medical Center, Springfield, MA, April, 2016.
23. **Regression analysis with censored covariates** — The 30th New England Statistical Symposium, New Haven, CT, April 2016.
24. **Adjustment of Dependent Truncation with Inverse Probability of Weighting** — International Chinese Statistical Association (ICSA) 2016 Applied Statistics Symposium, Atlanta, GA, June 2016.
25. **Addressing challenges in Alzheimer's disease studies through novel statistical methods** — Symposium on Parkinson's and Alzheimer's Diseases, University of Massachusetts, Amherst, MA, October 2016.
26. **Estimating the ROC Curve from Matched Case-Control Studies** — Statistical Methods in Epidemiology Working Group, Department of Biostatistics, Harvard University, Boston, MA, January 2017.
27. **Multiple imputation of randomly censored covariates in regression analysis** — The 31st New England Statistical Symposium, Storrs, CT, April 2017.
28. **Regression analysis with randomly censored covariates** — Conference on Lifetime Data Science, Storrs, CT, May 2017.
29. **Multiple imputation of randomly censored covariates in regression analysis** — International Chinese Statistical Association (ICSA) 2017 Applied Statistics Symposium, Chicago, IL, June 2017.
30. **Threshold regression to accommodate a censored covariate** — Division of Biostatistics and Bioinformatics, Department of Public Health Sciences, Penn State College of Medicine, Hershey, PA, November 2017.

Contributed Talks:

1. **Semiparametric copula regression model for censored lifetime medical cost** — ENAR meeting, Arlington VA, March 2008.
2. **Semiparametric copula regression model for censored lifetime medical cost** — SRCOS Summer Research Conference, June 2008.
3. **Partially functional quantile regression model for survival data** — Joint Statistical Meetings, Denver CO, August 2008.
4. **Semiparametric inference for successive durations** — ENAR meeting, New Orleans, LA, March 2010.
5. **Variable Selection and Prediction With High-dimensional Matched Case-Control Neuroimaging Data** — Contributed poster, ENAR meeting, Miami, FL, March 2011.
6. **Censored quantile regression model with partially functional effects** — Topic-Contributed talk, Joint Statistical Meetings, San Diego, CA, July 2012.
7. **Adjustment of dependent truncation with inverse probability of weighting** — ENAR meeting, Orlando, FL, March 2013.
8. **Variable selection and prediction using a nested, matched case-control study: application to hospital acquired pneumonia in stroke patients** — Topic-Contributed talk, Joint Statistical Meetings, Montreal, QC, Canada, August 2013.
9. **Threshold regression with censored covariates** — Poster Presentation, 16th Meeting of New Researchers in Statistics and Probability Conference, Cambridge, MA, August 2014.

10. **Threshold regression with censored covariates** — Joint Statistical Meetings, Boston, MA, August 2014.
11. **Testing class-level genetic associations using single-element summary statistics** — ENAR meeting, Miami, FL, March 2015.
12. **Adjustment of Dependent Truncation with Inverse Probability of Weighting** — Topic-Contributed talk, Joint Statistical Meetings, Chicago, IL, August 2016.
13. **A score test for genetic class-level association with non-linear biomarker trajectories** — ENAR meeting, Washington, DC, March 2017.

Teaching

University of Massachusetts Amherst

Fall 2011	BIOSTATS 540	Introduction to Biostatistics	Instructor
Spring 2012	BIOSTATS 640	Intermediate Biostatistics	Instructor
Fall 2012	BIOSTATS 540	Introduction to Biostatistics	Instructor
Spring 2013	BIOSTATS 640	Intermediate Biostatistics	Instructor
Spring 2013	BIOSTATS 796	Independent Study	Advisor
Fall 2013	BIOSTATS 690JQ	Methods III: Modern Applied Statistical Methods	Instructor
Spring 2015	BIOSTATS 690JQ	Methods III: Modern Applied Statistical Methods	Instructor
Fall 2015	BIOSTATS 896	Independent Study	Advisor
Spring 2016	BIOSTATS 690JQ	Methods III: Modern Applied Statistical Methods	Instructor
Spring 2016	BIOSTATS 896	Independent Studies	Advisors
Spring 2017	BIOSTATS 690JQ	Methods III: Modern Applied Statistical Methods	Instructor
Spring 2017	BIOSTATS 892A	Statistical Methods for Biomarkers Discovery	Instructor
Spring 2017	BIOSTATS 896	Independent Studies	Advisors
Fall 2017	BIOSTATS 699	Masters Thesis	Advisor

Emory University

Fall 2005	BIOS 500	Statistical Methods I	Teaching Assistant
Spring 2006	BIOS 501	Statistical Methods II	Teaching Assistant
Fall 2006	BIOS 510	Probability I	Teaching Assistant
Spring 2007	BIOS 591P	Statistical Methods II	Teaching Assistant

Guest Lecturer

- “Extension of multiple linear regression” for BIOS 501, Statistical Methods II, Emory University (04/04/2006)
- “The Principle of maximum likelihood” for BIOS 501, Statistical Methods II, Emory University (04/06/2006)
- “Variable selection and prediction using a nested matched case-control study” for BIOSTATS 892D, Ph.D. Seminar, University of Massachusetts, Amherst (04/09/2014)

Mentoring and Advising

Post-doctoral Research Fellow:

Harvard University

Steven Chiou (Co-advised with Rebecca Betensky) 2015 – 2017 Biostatistics

Current Position: Assistant Professor, Department of Mathematical Sciences, University of Texas at Dallas

Doctoral Committee Chaired as the Dissertation Advisor:

University of Massachusetts Amherst

Boqin Sun (Joint with Anna Liu) 2013 – present Math & Statistics

Yiding Zhang 2015 – present Biostatistics

Jingyao Hou 2016 – present Biostatistics

Doctoral Dissertation Committees Served as a Member:

University of Massachusetts Amherst

Susan Brown 2012 – 2014 Epidemiology

Jing Hao 2013 – 2015 Health Policy and Management

Kimberly Doughty 2013 – 2015 Nutrition

Lawrence Pellegrini 2014 – 2017 Health Policy and Management

Hui Xu 2014 – 2017 Biostatistics

Maysa Alzaim 2015 – present Nutrition

Minming Li 2015 – present Biostatistics

Harvard University

Yared Gurmu 2013 – 2016 Biostatistics

Master Committees Chaired as the Thesis Advisor:

University of Massachusetts Amherst

Elizabeth Austin, MS 2017–2018 Biostatistics

Master Thesis Committees Served as a Member:

University of Massachusetts Amherst

Haotian Wu, MS 2012–2013 Epidemiology

Jamie Farrell, MS 2012–2013 Nutrition

Abigail Santos, MS 2013–2014 Epidemiology

Sophie O'Brien, MS 2013–2014 Biostatistics

Xi Meng, MS 2015–2016 Biostatistics

Undergraduate Honor Thesis Committees Served as a Member:

University of Massachusetts Amherst

Anusha Kothapalli 2015–2016 Biostatistics

Academic Advisor for Students:

University of Massachusetts Amherst

Matthew Valko, MS	2011–2013	Biostatistics
Sophie O'Brien, MS	2012–2014	Biostatistics
Tianhui Nan, MS	2012–2014	Biostatistics
Yiding Zhang, MS	2013–2015	Biostatistics
Xi Meng, MS	2013–2016	Biostatistics
Xuelian Li, MS	2014–2016	Biostatistics
Lin Chen, MS	2015–2017	Biostatistics
Jonathan Chiang, MPH	2014–2017	Biostatistics
Mark Fulginiti, MS	2015–	Biostatistics
Elizabeth Austin, MS	2016–	Biostatistics
Sara Nuñez, Ph.D.	2016 –	Biostatistics
Heather Weaver, Ph.D.	2017 –	Biostatistics
Aruna Priya, Ph.D.	2017 –	Biostatistics

Editorial and Referee Activities

Editorial Service

Associate Editor, *Annals of Applied Statistics*, 2015 – present

Statistical Reviewer, *Journal of Alzheimer's Disease*, 2017 – present

Journal Review

Referee for

Annals of Applied Statistics

Biometrics

Biostatistics

BMC Cancer

BMC Medical Research Methodology

Electronic Journal of Statistics

Journal of Alzheimer's Disease

Journal of Applied Statistics

Journal of the American Statistical Association

Journal of Experimental Psychology

Lifetime Data Analysis

Statistics in Medicine

Computational Statistics and Data Analysis

Health and Quality of Life Outcomes

Book Review

Book reviewer for “An Introduction to Statistical Methods and Data Analysis” by Ott/Longnecker (Publisher: *Brooks/Cole*)

Grant Review

Reviewer for Faculty Research Grant/Healey Endowment Grant (FRG/HEG) at University of Massachusetts, Amherst, MA

Professional Services

Data and Safety Monitoring Board (DSMB)

Member of DSMB for a phase II randomized, placebo-controlled trial of Tocilizumab in amyotrophic lateral sclerosis (ALS) (funded by ALS Association, *ClinicalTrials.gov Identifier*: NCT02469896). 2015 - present

Session Organizers and Chairs

Organizer of an invited session “Recent Developments on Regression Analysis with Predictors Subject to Censoring” at JSM 2015

Organizer of an invited session “Recent advances in statistical methods for Alzheimer’s disease studies” at ICSA 2016

Chair of an invited session at ICSA 2016

Chair of an invited session at ENAR 2017

Chair of contributed sessions at ENAR Meeting 2007, 2013, 2017

Chair of contributed sessions at JSM 2012, 2014, 2016

School of Public Health and Health Sciences, University of Massachusetts

Member, School Curriculum Committee, 2013–2014

Member, Information Technology Manager Search Committee, 2013–2014

Judge, Student Poster Award on SPHHS Research Day, 2015

Department of Biostatistics and Epidemiology, School of Public Health and Health Sciences, University of Massachusetts

Member, Department Curriculum Committee, 2011–2013

Member, Epidemiology Post-doc Search Committee, 2012–2013

Member, Environment Health Tenure-Track Faculty Search Committee, 2012–2013

Member, Biostatistics Research Faculty Search Committee, 2012–2013

Co-Chair, Biostatistics Tenure-Track Faculty Search Committee, 2012–2013

Member, Biostatistics Curriculum Committee, 2012–2013

Chair, Biostatistics Computing Committee, 2013–2014

Chair, Biostatistics Curriculum Committee, 2013–2014

Chair, Biostatistics Lecturer Search Committee, 2014–2014

Member, Biostatistics Open Rank Tenure-Track Faculty Search Committee, 2014–2015

Member, PhD Qualify Exam Committee, 2014–2015
Member, Biostatistics Tenure-Track Faculty Search Committee, 2015–2016
Chair, Biostatistics Admission Committee, 2015–2016
Member, Biostatistics Computing Committee, 2016–2018
Member, MS/PhD Qualify Exam Committee, 2016–2018
Organizer, Biostatistics Seminar Series, 2016–2018
Chair, Biostatistics Admission Committee, 2017–2018

Department of Biostatistics, Harvard School of Public Health

Organizer, neurostatistics seminar series, 2010 – 2011.

Membership

American Statistical Association
Institute of Mathematical Statistics
International Chinese Statistical Association (ICSA)
UMass Center for Clinical and Translational Science