

Shaoyu Li

CONTACT INFORMATION

Mailing address: 345F Fretwell,
Department of Mathematics and Statistics,
University of North Carolina at Charlotte,
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Charlotte, NC 28223-0001

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EDUCATION

- **Ph.D. Dual major degree in Statistics and Quantitative Biology,**
Department of Statistics and Probability & Quantitative Biology Initiative
Michigan State University, East Lansing, MI, 2011
Dissertation: Statistical Issues and Novel Strategies in eQTL Mapping
- **M.A. Statistics,**
Department of Mathematics,
Huazhong University of Science and Technology, Wuhan, China, 2006
- **B.S. Applied Mathematics,**
Department of Mathematics,
Huazhong University of Science and Technology, Wuhan, China, 2003

PROFESSIONAL EXPERIENCE

- 08/2014-Present, Assistant Professor, Department of Mathematics and Statistics,
University of North Carolina Charlotte, Charlotte, NC
- 08/2011-08/2014, Assistant Faculty Member, Department of Biostatistics, St.
Jude Children's Research Hospital, Memphis, TN

- 12/2011-08/2014, Biostatistician, Operations and Biostatistics Center, the Pediatric Brain Tumor Consortium (PBTC), Memphis, TN
- 10/2013-08/2014, Biostatistician, Children's Oncology Group (COG)
- 07/2006-07/2011, Research/Teaching Assistant, Department of Statistics and Probability, Michigan State University, East Lansing, MI

RESEARCH ACTIVITIES

Publications

Invited book chapters

1. Cui, Y.H., G.X. Li, **S.Y. Li** and R.L. Wu. (2010) Designs for Linkage Analysis and Association Studies of Complex Diseases. In: *Statistical Methods in Molecular Biology* (Eds.: H. Bang, X.K. Zhou, H.L. Van Epps and M. Mazumdar) Humana Press.

Peer-referred journal articles (*: corresponding author)

1. Kazemi, D. M. Borsari, B., Li, S., and Shehab, M. (2020) Effectiveness of a Theory-Based mHealth Intervention for High-Risk Drinking in College Students, Substance Use and Misuse, (Accepted by *Substance Use and Misuse* on April 13, 2020).
2. Ren, J., Du, Y., Li, S., Ma, S., Jiang, Y., and Wu, C. (2019) Robust network-based regularization and variable selection for high dimensional genomics data in cancer prognosis, *Genetic Epidemiology*, 43(3):276-291, doi:10.1002/gepi.22194.
3. Tao He, Shaoyu Li, Ping-Shou Zhong, and Yuehua Cui. (2019) An optimal kernel-based U-statistic method for gene set association analysis, *Genetic Epidemiology*, 43(2):137-149.
4. Kazemi, D.M., Borsari, B., Levine M.J., Shehab, M., Nelson, M., Dooley, B., Stinson, B., Fang, F., Li, S. (2019) Real-Time Demonstration of a mHealth app Designed to Reduce College Students Hazardous Drinking, *Psychological Services*, 16(2):255-259.
5. Kazemi D.M., Borsari B., Levine M.J., Li S., Lamberson K.A., Matta L.A. (2017) A Systematic Review of the mHealth Interventions to Prevent Alcohol and Substance Abuse, *Journal of Health Communication*, 22(5): 413-432.
6. Shaoyu Li, Tao He, Iwona Pawlikowska, and Tong Lin (2017) Correcting length-

- bias in gene set enrichment analysis for DNA methylation data, *Statistics and Its Interface*, Vol. 10, No. 2, pp. 279-289.
7. Haitao Yang, Shaoyu Li, Hongyan Cao, Chichen Zhang, and Yuehua Cui (2017) Predicting disease trait with genomic data: a composite kernel approach. *Briefings in Bioinformatics*, 18(4):591-601.
 8. Salloum, R., Hummel, TR., Kumar, SS., Dorris, K., Li, S., Lin, T., Darvani, VM., Stewart. CF., Miles, L., Poussaint, TY., Stevenson. C., Goldman, S., Dhall, G., Packer, R., Fisher, P., Pollack, IF., Fouladi, M., Boyett, J., Drissi, R. (2016) A molecular biology and phase II study of imetelstat (GRN163L) in children with recurrent or refractory central nervous system malignancies: a pediatric brain tumor consortium study. *Journal of Neuro-Oncology*, 129(3): 443-451.
 9. Wetmore C, Boyett J, Li S, Lin T, Bendel A, Gajjar A, Orr BA. (2015) Alisertib is active as single agent in recurrent atypical teratoid rhabdoid tumors in children. *Neuro Oncology.*, 17(6):882-8.
 10. Li S, Cui Y and Romero R. (2014) Entropy-based selection for maternal-fetal genotype incompatibility with application to preterm pre-labor rupture of membranes. *BMC Genetics*, 15:66, doi: 10.1186/1471-2156-15-66.
 11. Pounds S, Cheng C, Li S, Liu Z, Zhang J and Mullighan C. (2013) A Genomic Random Interval Models for Statistical Analysis of Genomic Lesion Data. *Bioinformatics*, 29(17): 2088-95.
 12. Wu C, Li S and Cui Y. (2012) Genetic association studies: an information content perspective. *Current Genomics*, 13(7): 566-573.
 13. Robinson G, Parker M, Kranenburg TA, Lu C, Chen X, Ding L, Phoenix TN, Hedlund E, Wei L, Zhu X, Chalhoub N, Baker SJ, Huether R, Kriwacki R, Curley N, Thiruvankatam R, Wang J, Wu G, Rusch M, Hong X, Becksfort J, Gupta P, Ma J, Easton J, Vadodaria B, Onar-Thomas A, Lin T, Li S, Pounds S, Paugh S, Zhao D, Kawachi D, Roussel MF, Finkelstein D, Ellison DW, Lau CC, Bouffet E, Hassall T, Gururangan S, Cohn R, Fulton RS, Fulton LL, Dooling DJ, Ochoa K, Gajjar A, Mardis ER, Wilson RK, Downing JR, Zhang J, Gilbertson RJ. (2012) Novel mutations target distinct subgroups of medulloblastoma, *Nature*, 488(7409):43-8.

14. Li S and Cui Y. (2012) Gene-centric gene-gene interaction: a model-based kernel machine method. *Annals of Applied Statistics*, 6(3): 1134-1161.
15. Qaddoumi I, Sane M, Li S, Kocak M, Pai-Panandiker A, Harreld J, Klimo P, Wright K, Broniscer A, Gajjar A. (2012) Diagnostic utility and correlation of tumor markers in the serum and cerebrospinal fluid of children with intracranial germ cell tumors. *Children's Nervous System*, 28(7): 1017-24.
16. Li S, Williams B and Cui Y. (2011) A combined p-value approach to infer pathway regulations in eQTL mapping. *Statistics and Its Interface*, 4(3): 389-402.
17. Li S, Lu Q and Cui Y. (2010) A systems biology approach for identifying novel pathway regulators in an eQTL mapping study. *Journal of Biopharmaceutical Statistics*, 20(2): 373-400.
18. Li S, Lu Q, Fu W, Romero R and Cui Y. (2009) A regularized regression approach for dissecting genetic conflicts that increase disease risk in pregnancy. *Statistical Applications in Genetics and Molecular Biology*, Vol. 8: Iss. 1, Article 45.
19. Cui Y, Li S, and Li G. (2008) Functional mapping imprinted quantitative trait loci underlying developmental characteristics. *Theoretical Biology and Medical Modeling*, 5:6.
20. Li S and Liu C. (2006) Empirical Bayesian estimator for the parameter of the linear exponential model. *Journal of Huazhong University of Science and Technology*, 34: 3 (English Abstract).

Manuscripts under review

1. Li S., Sun Y., Diao L., and Wang X., Quantile regression model for pairwise distance-based matrices.
2. Xue Wang; Mariet Allen; Shaoyu Li; Zachary S. Quicksall; Tulsi A. Patel; Troy P. Carnwath; Joseph S. Reddy; Minerva M. Carrasquillo; Sarah J. Lincoln; Thuy T. Nguyen; Kimberly G. Malphrus; Dennis W. Dickson; Julia E. Crook; Yan W. Asmann; Nilufer Ertekin-Taner, Deciphering cellular transcriptional alterations in Alzheimer's disease brains, bioRxiv 2020.04.15.041376, doi: <https://doi.org/10.1101/2020.04.15.041376>
3. Chen D., Li S., Wang W., and Xia Kelin, Fast random algorithms for manifold

based optimization in reconstructing 3D chromosomal structures.

Working manuscripts

4. Quantifying cellular compositional effects in bulk tissue gene expression analysis (with Drs. Xue Wang and Duan Chen, in progress).
5. A robust computational approach for the deconvolution of bulk tissue gene expression data (with Drs. Xue Wang and Duan Chen, in progress).
6. Asymptotics of distance-based linear regression models and its connection to KMR and U-statistics (with Dr. Yanqing Sun and a PhD student Masoumeh Sheikhi, in progress).
7. A Systematic Review of Smartphone app Interventions for Prevention and Treatment for Reduction of Reduce Hazardous or Harmful Substance Use and Improve Behavioral Outcomes in Adults interventions for reducing alcohol, opioids, etc. (with Dr. Kazemi, in progress)

Abstracts

1. Amar J. Gajjar, Sridharan Gururangan, Ibrahim A Qaddoumi, Roger Packer, Stewart Goldman, Michael Prados, Annick Desjardins, Maryam Fouladi, Naoko Takebe, Shaoyu Li, David W. Ellison, Tom Curran, Richard J. Gilbertson, James M. Boyett. A prospective phase II study to determine the efficacy of GDC0449 (vismodegib) in adults with recurrent medulloblastoma (MB): A pediatric Brain Tumor Consortium study (PBTC-025B), ASCO
2. Donna M. Kazemi, Maureen Levine, Shaoyu Li, Brian Borsari, and Beau Dooley, Mobile mHealth Interventions for Alcohol and Substance Uses: A Systematic Review, American Public Health Association (APHA) 2016 Annual Meeting & Expo
3. Donna, M. Kazemi, Maureen Levine, Brian Borsari, Beau Dooley, Shaoyu Li, and Mohanmed Shehab, MHealth Intervention delivered in Real Time to Reduce Alcohol Use among College Students: A Mixed Methods Study, Public Health Nursing program of the APHA's 2018 Annual Meeting & Expo (Nov. 10 - Nov. 14), San Diego, CA.

4. Xue Wang, Mariet Allen, Jeremy Burgess, Minerva Carrasquillo, Nilüfer Ertekin-Taner, Shaoyu Li, and Yan Asmann, Application of refined brain cell type marker gene analysis identifies differentially expressed genes in Alzheimer's disease. International Society for Computational Biology (ISCB) 2017, July 21-July 25, Prague, Czech Republic.
5. Xue Wang, Mariet Allen, Minerva M. Carrasquillo, Jeremy D. Burgess, Shaoyu Li, Yan W. Asmann, and Nilüfer Ertekin-Taner, Identification of cell-type specific differentially expressed genes in Alzheimer's disease. Alzheimer's Association International Conference, 2018, Chicago.

Research Grants

Funded grants

- **Co-I:** mHealth Delivery of a Motivational Intervention to Address Heavy Drinking Among College Freshmen (PI: Dr. Kazemi in CHHS), R21, NIH, 2015-2017, \$30,000.00.
- **PI:** UNCC Faculty Research Grant, 2016-2017, \$6,000.00.
- **Co-I:** The Examination of Mandibular Advancement Devices as Novel Tools for Improving Sleep, Health, and Psychological Wellness among Military Veterans, UNC Inter-institutional Planning Grant Program, 2017-2018, \$22,500 (PI: Dr. Hannah Peach, Department of Psychological Science, UNC Charlotte)

Grants under review

- **Co-PI:** A Phase III randomized controlled multi-site trial to determine the efficacy of the adapted intervention (spBMI-AOC) on alcohol, opioid, and cannabis use (R01, PI: Dr. Donna Kazemi).

Grants not funded

- **PI:** Deciphering cellular transcriptional alterations in Alzheimer's disease brains (submitted to NIH R21, 2019)
- **Co-I:** Novel Interdisciplinary Approaches to Targeting/Managing Chronic Conditions Involving Inflammatory Processes (Ignite Planning Grants, PI: Dr. Meredith Troutman-Jordan, School of Nursing).
- **Co-PI:** Improving Diabetes Control, Mental Health, and Self-Efficacy Among Latino Adults with Diabetes (PI, Dr. Mark J. DeHaven, NIH R15)

- **Faculty Mentor:** BD2K Predoctoral Training in Biomedical Big Data Science (PI: Dr. Zhengchang Su, NIH)
- **Co-PI:** Fortaleciendo Familias: Marriage Enrichment for Latinos (PI: Dr. Daniel Gutierrez, NIH R15)
- **Co-PI:** Connecting Financial Anomalies with Contextual Information for Risk Mitigation, submitted to the North Carolina Data Science and Analytics Initiative in 2015 (PI: Dr. Wenwen Dou in the Department of Computer Science)
- **Co-PI:** Cyber Threat Intelligence Analytics, submitted to the North Carolina Data Science and Analytics Initiative in 2015 (PI, Dr. Bei-Tseng Chu in the Department of Software and Information System)
- **Co-PI:** Living Bodies, Living Communities, submitted to the North Carolina GlaxoSmithKline Foundation Traditional Grants Program in 2015 (PI: Dr. DeHaven in CHHS).

Presentations

Invited talks

1. “Distance-based analysis with quantile regression models”, ICSA 2019 Applied Statistics Symposium, Raleigh, NC, June 9-12, 2019
2. “Quantile Regression Model for Distance Based Analysis”, Bioinformatics departmental seminar, Feb. 15th, 2019
3. “Distance-based analysis with quantile regression models”, AMS Meeting at San Francisco State University, San Francisco, Oct. 27th-28th, 2018
4. “Distance-based analysis with quantile regression models”, ICSA China Conference, Qingdao, China, July 2nd-July 5th, 2018
5. “A gene network based approach for the correction of cell type heterogeneity”, International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, Sep. 30-Oct. 2, 2016
6. “The correction of length-bias in gene set enrichment analysis for DNA methylation data”, Proteomics Core Facility Seminar Series, Cannon Research Center, Carolina HealthCare System, May 28th, 2015

7. “The correction of length-bias in gene set enrichment analysis for DNA methylation data”, Shanxi Medical University, Taiyuan, China, June, 24th, 2015
8. Short course “Analysis of DNA methylation data: Epigenomewide Association Studies (EWAS)”, Shanxi Medical University, Taiyuan, China, June 23rd, 2015
9. “*All about gene-gene interaction*”, Central Arkansas Chapter of ASA, AR, November 22nd, 2013
10. “*Gene-Centric Gene-Gene Interaction: A Model-Based Kernel Machine Method*”, Department of Statistics, Oklahoma State University, OK, February 2011
11. “*Gene-Centric Gene-Gene Interaction: A Model-Based Kernel Machine Method*”, Department of Mathematics and Statistics, Missouri University of Science and Technology, MO, February 2011
12. “*Gene-Centric Gene-Gene Interaction: A Model-Based Kernel Machine Method*”, Department of Mathematics and Statistics, California State University, Fullerton, CA, February 2011
13. “*Gene-Centric Gene-Gene Interaction: A Model-Based Kernel Machine Method*”, Department of Mathematics, West Chester University, PA, February 2011
14. “*Gene-Centric Gene-Gene Interaction: A Model-Based Kernel Machine Method*”, Department of Statistics and Probability, Michigan State University, East Lansing, MI, January 2011
15. “*Identifying novel pathway regulation in eQTL mapping*”, ICSA Applied Statistics Symposium, Indianapolis, IN, June 2010

Conference Session Organizer/Chair

- **Organizer and Chair of an invited session:** Advances in Integrated Multi-Omics Data Analysis, ICSA 2020 China Conference, Wuhan, June, 2020
- **Organizer and Chair of an invited session:** Statistical Methods for Integrative Analysis of Multi-Omics Data, 2019 ICSA Applied Statistics Symposium, Raleigh, NC, June, 2019
- **Organizer of an invited session:** Recent Advances in Quantile Regression, 2017 ICSA applied Statistics symposium, Chicago, IN, June, 2017

- **Chair: “Genomics”**, ENAR 2016 meeting, Austin, TX, 2016
- **Organizer: “Statistical Methods for the Analysis of High Dimensional “Omics” Data”**, Qingdao, China, June 24-25, 2016
- **Organizer and chair, “STATISTICAL METHODS FOR GENOMICS AND EPIGENOMICS DATA ANALYSIS”**, 2015 ICSA China Statistics Conference, Shanghai, China, July 6-7, 2015

Other presentations and conferences/workshops

- **(Contributed speaker)** “Distance-based analysis with quantile regression models”, JSM, Vancouver, Canada, July 27th-August 2nd, 2018
- **(Attendee)** ASA-NISS-IMS-ENAR-ICSA Technical Writing Workshop, Chicago, IL, July 30-August 03, 2016
- **(Contributed poster)** “The correction of length-bias in gene set enrichment analysis for DNA methylation data”, Joint Statistical Meeting, Seattle, WA, August 10th, 2015
- **(Attendee)** ENAR Junior Researchers Workshop (**NSF supported**), Miami, FL, March 13-14, 2015
- **(Contributed speaker)** The Ninth ICSA International Conference: Challenges of Statistical Methods for Interdisciplinary Research and Big Data. Hong Kong, December 20-23, 2013
- **(Contributed speaker)** The 8th International Purdue Symposium on Statistics, June 23rd, 2012
- **(Poster)** 2011 St. Jude Faculty/Postdoctoral Poster Session, November 17th, 2011
- **(Poster)** Systems Biology Symposium, Michigan State University, East Lansing, MI, October 2010
- **(Poster)** Quantitative Biology Initiative graduate student poster session, East Lansing, MI, August 2010
- **(Contributed speaker)** ENAR Spring Meeting, New Orleans, LA, March 2010
- **(Poster)** Quantitative Biology Initiative graduate student poster session,

East Lansing, MI, August 2009

- **(Committee selected student talk)** *Growth Factor and Signal Transduction Symposium* (on Systems Biology: Integrative, Comparative and Multi-scale Modeling), Iowa State University, June 2009
- **(Contributed speaker)** ENAR Spring Meeting, San Antonio, TX, March 2009
- Pediatric Brain Tumor Consortium Semi-Annual Meeting, Chicago, IL, September 15-16, 2013
- Fall 2013 Children's Oncology Group (COG) Meeting, Dallas, TX, September 10-11, 2013
- Pediatric Brain Tumor Consortium Semi-Annual Meeting, Alexandria, VA, September 24-26, 2012
- Fall 2012 Children's Oncology Group (COG) Meeting, Atlanta, GA, September 11-14, 2012
- Pediatric Brain Tumor Consortium Semi-Annual Meeting, Dallas, TX, March 3-6, 2012
- Statistical Analysis for Next Generation Sequencing, Birmingham, AL, September 26-27, 2011
- 3rd Midwest Statistics Research Colloquium, The University of Chicago, Chicago, IL, March 26-27, 2010
- Statistical and genomic challenges for clinical studies and practice, Center for statistical genetics and GlacoSmithKline, University of Michigan, Ann Arbor, MI, Oct. 1, 2009
- The latest developments in design and analysis of genetic and genomic data (SNP, high-dimensional data), Statistical Genetics and Genomics Workshop, East Lansing, MI, May 13-14, 2008

TEACHING EXPERIENCE**Courses taught at UNCC**

Semester	Course Number	Enrollment	Teaching Evaluation	
			Overall, this instructor was effective.	Overall, I would rate this instructor as
Fall 2014	STAT 4123/5123	13	4.80/5	4.80/5
Spring 2015	STAT 3110	59	4.03/5	4.10/5
	STAT 3128	52	4.00/5	4.16/5
Fall 2015	STAT 3128	59	4.13/5	4.29/5
	STAT 4123/5123	11	4.73/5	4.73/5
Spring 2016	STAT 4124/5124	7	4.83/5	4.83/5
	STAT 3128	53	4.32/5	4.37/5
Spring 2017	STAT 3110	85	4.17/5	4.17/5
Summer 2018	STAT 3128	34	4.00/5	4.33/5
Fall 2018	STAT 3110	44	4.09/5	4.20/5
	STAT 1222	34	3.75/5	3.83/5
Spring 2019	STAT 3128	49	3.81/5	4.06/5
	STAT 4124/5124	5	5.00/5	5.00/5
Summer 2019	STAT 3110	13	4.67/5	4.67/5
Fall 2019	STAT 3110	40	4.00/5	4.40/5
	STAT 3128	43	3.94/5	4.13/5

STAT 1220: Elements of Statistics

STAT 1222: Introduction to Statistics

STAT 3110: Applied Regression

STAT 3128: Probability and Statistics for Engineers

STAT 4123/5123: Applied Statistics I (graduate)

STAT 4124/5124: Applied Statistics II (graduate)

Courses taught before UNCC

- Summer 2010 Statistical Methods
- Summer 2011 Introduction to Probability and Statistics for Business

Students supervised

Name	Degree	Project Title	My Role
Undergraduate Students			
Timothy McCurry	Undergraduate	Math Senior Project	Supervisor
James Foy	Undergraduate	Math Senior Project	Supervisor
Alexander Kelly	Undergraduate	Math Senior Project	Supervisor
Charles Monroe	Undergraduate	Honor Thesis Defense	Committee Member
Graduate Students			
Shilue Zhang	Master	A simulation study to investigate the performance of kernel machine method in epigenome-wide association study	Committee Chair
Kritika Nagpal	Master	How Bayesian Adaptive Design is implemented in Clinical Trials	Committee Chair
Gordon Black	Master	Sample size requirements for matched case-control studies of gene-environment interaction	Committee Chair
Chengwei Sun	Master	Statistical Analysis of AR/GARCH Model	Committee Member (Chair: Dr. Jaya Bishwal)
Ziqing Yu	Master	Classification of Credit Default	Committee Member (Chair: Dr. Jiancheng Jiang)
Jill Engle	Master	A simulation using cross validation and LASSO	Committee Member (Chair: Dr. Jiancheng Jiang)
Huixia Wang	Master	Statistical methods for the correction of cell type heterogeneity for the analysis of DNA methylation data	Committee Chair
Chang Lu	Master	A Sieve MLE Approach for ARIC Data	Committee Member (Supervisor: Dr. Qingning Zhou)

Zehan Xu	Master	Statistical analysis in customer relationship management	Committee Member (Supervisor: Dr. Tao Hong)
Peilin Chen	Ph. D.	Estimation and Inference for the Association of Multivariate Recurrent Event Process	Committee Member (Chair: Dr. Yanqing Sun)
Sayantika Nag	Master	Compositional Data Analysis Tools to Identify Marker Genes	Committee Chair
Masoumeh Sheikhi	Ph.D. (ongoing)	Pairwise distance based statistical tools and the applications to Human Microbiome data analysis	Committee Chair

Course and curriculum proposals developed

- STAT 5110 (Applied Regression Analysis), major contribution
- STAT 6115 (Statistical Learning with Big Data), participated
- Proposal for a Statistical Consulting Center at UNCC, participated

SERVICES

Committee services

- Biostatistics Protocol Review Committee, St Jude Children's Research Hospital, 2011-2014
- Quality Assurance Committee, Pediatric Brain Tumor Consortium, 2012-2014
- Graduate Recruitment Committee, Department of Mathematics and Statistics, UNCC, 2014-2015; 2019-2020
- High Sch Math Contest Exam Committee, Department of Mathematics and Statistics, UNCC, 2014-present
- Stat Search Subcommittee, Department of Mathematics and Statistics, UNCC, 2015-2017
- Graduate Curriculum, Department of Mathematics and Statistics, UNCC, 2015-2016
- Search Committee for Assistant or Associate Professor of Biostatistics, Department of Public Health Science, UNCC, 2016-2017
- University Faculty Council (Alternate), 2019-2020

Professional Services

- American Public Health Association (APHA) 2020 Annual Meeting Abstract Reviewer, 2020
- Topic Editor, Frontiers in Genetics (2014-2015)
- Lead Guest Editor, Special Issue on Computational Models for the Analysis of Omics Data in Neurodegenerative Diseases, Computational and Mathematics Methods in Medicine, (2018-2019)
- Reviewer, UK medical research council
- Review editor for Statistical Genetics and Methodology of Frontiers in Genetics

Journal referee services

- Journal of the American Statistical Association (JASA)
- Nature Communications
- Bioinformatics
- Biometrics
- PLOS ONE
- Briefings in Bioinformatics
- BMC Bioinformatics
- BMC genetics
- Frontiers in Genetics
- Molecular Genetics & Genomic Medicine
- International Journal of Biostatistics
- Annals of human genetics
- Genetica
- Clinical Epidemiology
- The Open Genomics Journal
- Communications in Information and Systems
- Journal of Women's Health Care

HONORS AND AWARDS

- UNCC Junior Faculty Development Award, (Spring, 2018)
- MSU Chapter of Sigma Xi Graduate Award, (November, 2010)
- Summer Research Fellowship, The College of Natural Science, Michigan State University (May-August, 2010)
- Graduate Student Travel Award, Michigan State University, (March, 2010)

- Travel Grant, Growth Factor and Signal Transduction Symposium (on Systems Biology: Integrative, Comparative and Multi-scale Modeling), Iowa State University (June, 2009)
- Travel Award (Stapleton Fund), Michigan State University (March, 2009)
- Graduate Research Fellowship, Quantitative Biology Initiative, Michigan State University (2008-2009)
- QB Recruiting Cash Award, Quantitative Biology Initiative, Michigan State University (2008)
- Summer Research Fellowship, The College of Natural Science, Michigan State University (May-August, 2008)
- Outstanding Graduate Student Scholarships, Graduate School of Huazhong University of Science & Technology (2003-2006)
- Scholarships for Academic Excellence, Huazhong University of Science & Technology (2000-2003)

PROFESSIONAL MEMBERSHIPS

- Institute of Mathematical Statistics
- East Northern American Region/International Biometric Society
- American Statistical Association
- International Chinese Statistical Association