Yichuan Zhao

**2023 ICSA Nomination Document**

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# **Nominations For President-Elect (Ordered by Family Name)**

## **Dr. Dennis Lin**



**Present Position**

Distinguished Professor, Department of Statistics, Purdue University

**Former Position**

University Distinguished Professor at Penn State

**Degree:**  Ph.D., 1988, University of Wisconsin

**Fields of Major Statistical Activities**

Industrial Statistics, Statistical Inference, Data Science

**Selected publication**

Published near 300 SCI/SSCI articles.

Top three cited papers are:

\* Uniform Design: Theory and Application, (2000,Technometrics, 1083);

\* Sampling Strategies for Computer Experiments: Design and Analysis (2021, International Journal of Reliability and Application, 606);

\* Dual Response Surface Optimization (1995, JQT, 577);

Some recent papers:

\* Lin, Dennis K.J. and Chen, J.B. (2023) “Order-of-Addition Experiment via Quick Sort Algorithm,”

Technometrics, forthcoming;

\* Pang, S.Q., Wang, J., Dennis K.J. Lin, M.Q. Liu (2021) “Construction of Mixed Orthogonal Arrays with High Strength", Annals of Statistics, 49, 2870-2884;

\* Peng, J.Y., Mukerjee, Rahul and Lin, Dennis K.J., (2019) “Design of Order-of-Addition Experiments,” Biometrika, 106, 683—694.

**ICSA Activities**

Previously, I have served ICSA as: 1) a member of the Board of Directors; 2) Managing Editor for Statistica Sinica; 3) a member of the Fund raising committee; and 4) a member of the Nomination committee.

**Professional Committees**

NISS: Board Member;

ISBIS, ISI: Council Member;

SAMSI:Leader Group for Forensic Statistics;

ASA: Chair, membership Committee SPES, also served as Chair & Program Chair Member in various ASA Committees;

External Member for Program Review: GA-Tech, UTSA, HK Edu U, NTHU, YZU, etc.

**Honors and Awards**

• Elected Fellows of ASA (1998); IMS (2013); ASQ(2006); ISI (1994) &RSS (1988).

• Distinguished Alumni Award, College of Science, National Tsing-Hua University (2022).

• The 2020 Deming Lecturer, Joint Statistical Meetings (Philadelphia, PA).

• The 2019 Yuan-Shin Chow Award, The Chinese Probability Society (Taiwan).

• The 2016 SPES Award (ASA).

• The 2015 Shewhart Medal, the American Society for Quality.

• The 2015 Brumbaugh Award, the American Society for Quality.

• The 2014 William G. Hunter Award, the American Society for Quality.

• The 2011 Don Owen Award, San Antonio Chapter, the American Statistical Association.

• The 2011 Isobel Loutit Address Speaker, Statistical Society of Canada

• The Youden Address Speaker, The 2010 Fall Technical Conference

• The Shewell Award, American Society for Quality (2010).

• Faculty Scholar Medal Award, The Pennsylvania State University (2004).

**Statements**

I am honored to be a candidate for the president of International Chinese Statistical Association (ICSA). It is the most exciting time to be a statistical scientist. As we move into a new era where demand for data scientists is exceeding the supply; our profession’s skills and knowledge on various domains become increasingly important. As a long-time ICSA member (since 1988), I have witnessed the entire developments of ICSA (ever since it was found), and believe that I can make a significant contribution to such a well-established society.

Data Science: My priority as the ICSA President is to take more initiatives in Data Science: Our field has seen an explosion of new methods in statistics and data science, integrating the best of statistical thinking and practice. Forward looking universities rely heavily on, and invest in, their statistics departments to build top data science programs. ICSA has an opportunity to work with university leaders and government agencies to articulate the value statisticians bring to the data science leadership at the table. Central to this focus are growing issues of data privacy and the changing landscape of availability and use of data. As the ICSA President, I want to take a leadership role to understand the changes and expertly address their impacts. This area opens an opportunity for the ICSA to foster greater involvement of local government and chapters.

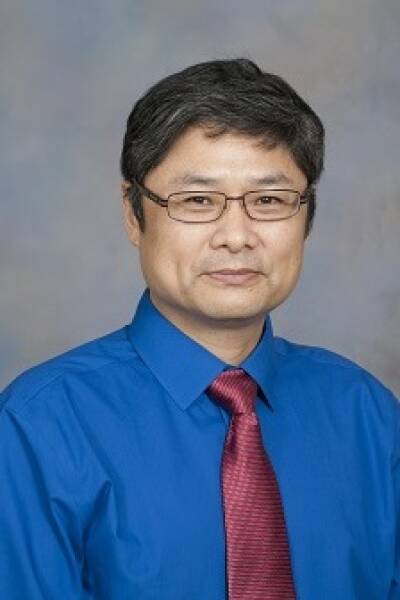
Mentoring: Over the years of experience in mentoring, I am convinced that it plays a major role in the professional development of students, faculty, and staff at every level. Our leadership should reflect our demographics, and we need more statisticians to volunteer for mentorship. Our young statisticians (graduate students as well as junior faculty, etc) should also be exposed to ethical guidelines and teamwork, including professional ethics. They are our future, ICSA shall make any effort to help them.

Membership: It has been observed that Membership has been declining for several years. My effort towards increasing membership is based on more inclusiveness. Many members in other statistical societies in other countries can be invited to become a shared member of ICSA through a cost reduction approach.

Justice Equity Diversity and Inclusiveness (JEDI): We should be more serious about implementation of JEDI. I will be working with the ASA-JEDI task force group to evaluate the need for change for ICSA. The ASA-JEDI outreach group is functioning well and is an excellent addition to the ICSA.

In summary, I will pursue three major themes, Enhancing the Diversity and Breadth of our Association, Increasing the visibility of our profession, and Ensuring the future of our profession. I am excited about where our profession is heading and will be honored to have the opportunity to help achieve these goals as the ICSA president.

## **Dr. Peihua Qiu**



**Present Position**

Dean’s Professor and Founding Chair, Department of Biostatistics, University of Florida

**Former Position**

Professor, School of Statistics, University of Minnesota

**Degree:** PhD, University of Wisconsin at Madison

**Fields of Major Statistical Activities**

Jump regression analysis; Image process; Statistical process control; Survival analysis; Dynamic disease screening; Spatio-temporal disease surveillance

**Selected publication**

(1) Qiu, P. (1998), Discontinuous regression surfaces fitting, The Annals of Statistics, 26, 2218-2245.

(2) Qiu, P., and Hawkins, D. (2001), A rank based multivariate CUSUM procedure, Technometrics, 43, 120-132.

(3) Qiu, P. (2005), Image Processing and Jump Regression Analysis, New York: John Wiley & Sons.

(4) Qiu, P. (2007), Jump surface estimation, edge detection, and image restoration, Journal of the American Statistical Association, 102, 745-756.

(5) Qiu, P., and Sun, J. (2007), Local smoothing image segmentation for spotted microarray images, Journal of the American Statistical Association, 102, 1129-1144.

(6) Qiu, P., and Sheng, J. (2008), A two-stage procedure for comparing hazard rate functions, Journal of the Royal Statistical Society (Series B), 70, 191-208.

(7) Qiu, P., Zou, C., and Wang, Z. (2010), Nonparametric profile monitoring by mixed effects modeling (with discussions), Technometrics, 52, 265-277.

(8) Qiu, P. (2014), Introduction to Statistical Process Control, Boca Raton, FL: Chapman & Hall/CRC.

(9) Qiu, P., and Xiang, D. (2014), Statistical process screening system: an approach for dynamically identifying irregular individuals, Technometrics, 56, 248-260.

(10) Qiu, P., and Xie, X. (2022), Transparent sequential learning for statistical process control of serially correlated data, Technometrics, 64, 487-501.

**ICSA Activities**

(1) Board of Directors (2020-2022);

(2) Chair, Executive Committee, 2022 ICSA Applied Statistics Symposium;

(3) Program committee member, 2016 ICSA International Conference;

(4) Program committee member, 2020 ICSA China Conference;

(5) Regular session organizers and chairs for ICSA sponsored conferences

**Professional Committees**

1. American Statistical Association (ASA): (1a) Committee on Publications (2013-2016, 2019-2021), (1b) Caucus of Academic Representatives (2014-2017), (1c) Technometrics Management Committee (Chair, 2019-2022);

(2) American Society for Quality (ASQ): (2a) Journal Editor Committee (2013-2016);

(3) Institute of Mathematical Statistics (IMS): (3a) Chair of the IMS Local Committee for the 2015 Joint Summer Meeting at Minneapolis, (3b) Committee on Nominations (2011);

(4) Institute for Operations Research and the Management Sciences (INFORMS): (4a) Advisory Board Member for the INFORMS QSR Section (2017-2022), (4b) One of the three Organizers, QSR Best Paper Award Competition, 2020 INFORMS Annual Meeting;

(5) International Chinese Statistical Association (ICSA): (5a) Board of Directors (2020-2022), (5b) Chair, Executive Committee, 2022 ICSA Applied Statistics Symposium

**Honors and Awards**

(1) Elected Fellow, American Association for the Advancement of Science (AAAS), 2022;

(2) Elected Fellow, American Society for Quality (ASQ), 2021;

(3) Elected Fellow, Institute of Mathematical Statistics (IMS), 2010;

(4) Elected Fellow, American Statistical Association (ASA), 2009;

(5) Elected member, International Statistical Institute (ISI), 2009;

(6) Dean’s Professor, University of Florida, 2022;

(7) University Term Professor, University of Florida, 2018-2021;

(8) Ziegel prize winner, Technometrics, 2007

**Statements**

Dr. Qiu has been a strong leader in statistical research and applications in the past many years. As the founding chair of the Department of Biostatistics at the University of Florida, he is also an experienced and effective leader in statistical education. Over the past years, he has been actively involved in many ICSA activities. I am sure he will be an ideal candidate for the ICSA president-elect.

## **Dr. Hongyu Zhao**



**Present Position**

Ira V. Hiscock Professor of Biostatistics, Professor of Genetics and Professor of Statistics and Data Science; Department of Statistics and Data Science, Yale University

**Former Position**

Department Chair of Biostatistics, School of Public Health, Yale University

**Degree:** Ph.D., 1995, University of California at Berkeley

**Fields of Major Statistical Activities**

Statistical methodology, statistical genetics/genomics, computational biology, bioinformatics

**Selected publication**

[1] S. Park, E. R. Lee, H. Zhao (2023) Low-rank regression models for multiple binary responses and their applications to cancer cell-line encyclopedia data. Journal of American Statistical Association, in press. [

2] K.-Y. Lee, L. Li, B. Li, H. Zhao (2023) Nonparametric functional graphical modeling through functional additive regression operator. Journal of American Statistical Association, in press.

[3] G. Zhou, T. Liu, H. Zhao (2023) SDPRX: A statistical method for cross-population prediction of complex traits. American Journal of Human Genetics, 110: 13-22.

[4] M. Chen, Y. Zhang, T. S. Adams, D. Ji, W. Jiang, L. V. Wain, M. H. Cho, N. Kaminski, H. Zhao (2023) Integrative analyses for the identification of idiopathic pulmonary fibrosis associated genes and shared loci with other diseases. Thorax, in press.

[5] Y. Xie, W. Jiang, W. Dong, H. Li, S. C. Jin, M. Brueckner, H. Zhao (2022) Network assisted analysis of de novo variants using protein-protein interaction information identified 46 candidate genes for congenital heart disease. PLOS Genetics, 18: e1010252.

[6] Y. Zhang, Q. Lu, Y. Ye, K. Huang, W. Liu, Y. Wu, X. Zhong, B. Li, Z. Yu, B. Travers, D. Werling, J. Li, H. Zhao (2021) SUPERGNOVA: Local genetic correlation analysis reveals heterogeneous etiologic sharing of complex traits. Genome Biology, 22: 262.

[7] M. J. Girgenti, J. Wang, D. Ji, D. Cruz, Traumatic Stress Brain Research Study Group, the Million Veteran Program, M. B. Stein, J. Gelernter, K. A. Young, B. R. Huber, D. E. Williamson, M. J. Friedman, J. H. Krystal, H. Zhao, R. S. Duman (2021) Transcriptomic organization of the human brain in posttraumatic stress disorder. Nature Neuroscience, 24: 24-33.

[8] Y. Hu, M. Li, Q. Lu, H. Weng, J. Wang, S. M. Zekavat, Z. Yu, B. Li, J. Gu, S. Muchnik, Y. Shi, B. W. Kunkle, S. Mukherjee, P. Natarajan, A. Naj, A. Kuzma, Y. Zhao, P. K. Crane, Alzheimer's Disease Genetics Consortium, H. Lu, H. Zhao (2019) A statistical framework for cross-tissue transcriptome-wide association analysis. Nature Genetics, 51: 568-576.

[9] Y. Zhu, A. M. M. Sousa, T. Gao, M. Skarica, M. Li, G. Santpere, P. Esteller-Cucala, D. Juan, L. Ferrández-Peral, F. O. Gulden, M. Yang, D. J. Miller, T. Marques-Bonet, Y. Imamura Kawasawa, H. Zhao, N. Sestan (2018) Spatiotemporal transcriptomic divergence across human and macaque brain development. Science 362(6420): eatt8077.

[10] Q. Lu, B. Li, D. Ou, M. Erlendsdottir, R. L. Powles, T. Jiang, Y. Hu, D. Chang, C. Jin, W. Dai, Q. He, Z. Liu, S. Mukherjee, P. K. Crane, H. Zhao (2017) A powerful approach to estimating annotation-stratified genetic covariance using GWAS summary statistics. American Journal of Human Genetics, 101: 939-964.

[11] J. Jiang, C. Li, D. Paul, C. Yang, H. Zhao (2016) On high-dimensional misspecified mixed model analysis in genome-wide association study. Annals of Statistics, 44: 2127–2160.

**ICSA Activities**

2011 – 2017 Co-editor, Statistics in Biosciences

2003 – 2006 Member, Board of Directors, International Chinese Statistical Association

2005 Conference Program Chair, Applied Statistics Symposium, International Chinese Statistical Association

2022 Conference Committee, ICSA Applied Statistics Symposium, Gainesville, Florida

2023 Conference Committee, ICSA International Conference, Hong Kong

2023 Conference Committee, ICSA China 2023 Conference, Chengdu

**Professional Committees**

NIH study section member,

Biostatistical Methods and Research Design (1999-2004), Genomics, Computational Biology and Technology (2005-2009), Center for Inherited Disease Research (2009-2013)

Co-Editor, Statistics in Biosciences (2011-2017), Journal of American Statistical Association – Theory and Methods (2018-2020)

Chair, Mortimer Spiegelman Award Committee, American Public Health Association (2011-2012)

Program committee member, American Society of Human Genetics (2007-2010)

President, The Association of Chinese Geneticists in America (2010-2011)

Vice President, Chinese American Professors Association – CT (2014-2016)

**Honors and Awards**

2023 Medallion Lecture, Institute of Mathematical Statistics

2023 Statistics in Biosciences Best Paper Award 2023 Elected Fellow, American Institute for Medical and Biological Engineering

2021 Elected Member, Connecticut Academy of Science and Engineering

2020 Investigator Research Award, Yale School of Public Health

2020 American Statistical Association Outstanding Statistical Application Award

2018 Pao-Lu Hsu Award, International Chinese Statistical Association

2011 Elected Fellow, American Association for the Advancement of Science

2008 Mortimer Spiegelman Award (top statistician in public health under the age of 40), American Public Health Association

2007 Elected Fellow, Institute of Mathematical Statistics

2006 Elected Member, International Statistical Institute

2006 Elected Fellow, American Statistical Association

1999 – 2001 Basil O'Connor Starter Scholar Award, March of Dimes Foundation

1995 Evelyn Fix Memorial Medal and Citation, UC Berkeley

1990 – 1991 University Regents' Fellowship, University of California at Berkeley

1987 – 1990 University Scholarship, Peking University

**Statements**

I am honored to be nominated as a candidate for the President of the ICSA. As an ICSA member for nearly three decades, I have observed the remarkable growth of our society through the significant contributions by our members, and the positive impact that ICSA has had on its members, including myself. The ICSA meetings held in various geographical regions have functioned as a magnet to bring together our members and other members of the broader statistical community. Moreover, ICSA has been advocating for and recognizing our members at different career stages and sectors. As statistics and data science is becoming increasingly important in all aspects of our lives, my candidacy will provide an opportunity for me to work closely with our members from around the world to build a more cohesive and supportive community, explore and strengthen ways in which ICSA can best promote the career development of our members, offer more channels for our members to engage and contribute to ICSA, facilitate more interactions and collaborations among members with different backgrounds and interests, and foster stronger ties with other societies in the general areas of statistics and data science. For example, ICSA can allocate more sessions dedicated to career development and networking at annual meetings and expand resources to support junior members in academia, industry, and government. I am excited to serve ICSA and all of its members in this capacity and look forward to the opportunity to make a meaningful contribution to the continued success of ICSA.

# **Nominations For Board of Directors (Ordered by Family Name)**

## **Dr. Kun Chen**

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**Present Position**

Associate Professor, Department of Statistics, University of Connecticut

**Former Position**

Assistant Professor, Department of Statistics, University of Connecticut

**Degree**

PhD in Statistics, University of Iowa, 2011

**Fields of Major Statistical Activities**

Multivariate statistical learning, statistical machine learning, statistical computing, health data science

**Selected publication**

Selected papers from more than 80 peer-reviewed publications:

1. Chen, K., Chan, K.-S., and Stenseth, N. C. (2012) Reduced rank stochastic regression with a sparse singular value decomposition. Journal of the Royal Statistical Society: Series B, 74(2):203–221.

2. Chen, K., Dong, H., and Chan, K.-S. (2013) Reduced rank regression via adaptive nuclear norm penalization. Biometrika, 100(4):901–920.

3. Chen, K., Chan, K.-S., and Stenseth, N. C. (2014) Source-sink reconstruction through regularized multicomponent regression analysis–with application to assessing whether North Sea cod larvae contributed to local fjord cod in Skagerrak. Journal of the American Statistical Association, 109:560–573.

4. Mukherjee, A., Chen, K., Wang, N., and Zhu, J. (2015) On the degrees of freedom of reduced-rank estimators in multivariate regression. Biometrika, 102(2):457–477.

5. She, Y. and Chen, K. (2017) Robust reduced-rank regression. Biometrika, 104(3):633–647.

6. Mishra, A., Dey, D. K., and Chen, K. (2017) Sequential co-sparse factor regression. Journal of Computational & Graphical Statistics, 26(4):814–825.

7. Chen, K., Mishra, N., Smyth, J., Bar, H., Schifano, E., Kuo, L., and Chen, M.-H. (2018) A tailored multivariate mixture model for detecting proteins of concordant change in the pathogenesis of Necrotic Enteritis. Journal of the American Statistical Association, 113:546–559.

8. Li, G., Liu, X., and Chen, K. (2019) Integrative multi-view regression: Bridging group sparse and low-rank models. Biometrics, 75(2):593–602.

9. Sun, Z., Xu, W., Cong, X., Li, G., and Chen, K. (2020) Log-contrast regression with functional compositional predictors: Linking preterm infant’s gut microbiome trajectories to neurobehavioral outcome. Annals of Applied Statistics, 14(3):1535–1556. (2020 John van Ryzin Award and ENAR Distinguished Student Paper Award).

10. Li, Y., Yu, C., Zhao, Y., Aseltine, R., Yao, W., and Chen, K. (2021) Pursuing sources of heterogeneity in modeling clustered population. Biometrics. In press. (2020 ENAR Distinguished Student Paper Award).

11. Xu, W., Chang, S., Li, Y., Doshi, R., Chen, K., Wang, F., and Aseltine, R. (2022) Improving suicide risk prediction via targeted data fusion: proof of concept with statewide data. Journal of the American Medical Informatics Association, 29(3):500–511. (Featured article).

12. Chen, K., Dong, R., Xu, W., and Zheng, Z. (2022) Fast stagewise sparse factor regression. Journal of Machine Learning Research, 23(271):1–45.

Published books:

1. Lin, J., Wang, B., Hu, X., Chen, K., and Liu, R., editors (2016) Statistical Applications from Clinical Trials and Personalized Medicine to Finance and Business Analytics. Springer, International.

2. Reinsel, G. C., Velu, R. P., and Chen, K. (2023) Multivariate Reduced-Rank Regression: Theory, Methods and Applications, 2nd Edition. Springer.

**ICSA Activities**

1. Life Member, International Chinese Statistical Association (ICSA) since 2010

2. Invited Session organizer, speaker, and session chair at several ICSA conferences since 2012, including ICSA Applied Statistics Symposiums and ICSA China Conferences.

3. Co-Editor, 2015 ICSA Applied Statistics Symposium Proceeding Book, 2015

4. PhD student Chongliang Luo won 2015 ICSA Student Paper Award.

5. Short course instructor at 2017 ICSA Applied Statistics Symposium, Chicago, IL. June 2017.

6. Program Committee, 2021 ICSA China Conference (canceled).

7. Co-Chair of Local Organizing Committee, Dose Finding and Other Topics in Drug Development Honoring Dr. Naitee Ting’s 70th Birthday, ICSA Co-sponsored Meeting, 2023

**Professional Committees**

1. Executive Secretary, New England Statistical Society, 2017-2021

2. Associate Program Chair, 2022 Joint Statistical Meeting, 2022

3. Co-Chair of Organizing Committee. The 35th New England Statistics Symposium, Storrs, CT, 2022

4. Connecticut All-Payer Claims Database (APCD) Data Release Committee Office of Health Strategy, State of Connecticut, since 2017

5. Secretary, ASA CT Chapter, 2021-2022

6. Vice President, ASA CT Chapter, 2022-

7. Program Chair Elect and Program Chair, Section on Statistical Computing, ASA, 2022-2024

**Honors and Awards**

1. Henry L. Rietz Award, University of Iowa, 2009

2. ENAR Distinguished Student Paper Award, International Biometric Society, 2011

3. Travel Award, IMS New Researchers’ Conference, 2014

4. Elected Member of International Statistical Institute (ISI), 2015

5. Fellow of the American Statistical Association (ASA), 2022

6. Leadership Fellow, College of Liberal Arts & Sciences, UConn, 20

**Statements**

I am honored and excited to be nominated for the Board Member position of the International Chinese Statistical Association (ICSA). As a life member of ICSA since 2010, I have dedicated my time and effort to support the organization and contribute to the growth of the statistical community. My extensive background in statistical research, professional service, and academic excellence positions me as a strong candidate to serve on the ICSA board.

My professional experience includes my current role as an Associate Professor at the University of Connecticut, where I have taught and conducted research in modern multivariate statistical learning and statistical machine learning. I have published over 80 papers in reputable journals, reflecting my commitment to advancing statistical knowledge and practices.

As an Associate Professor in the Department of Statistics at the University of Connecticut (UConn) and a Research Fellow at the Center for Population Health at the UConn Health Center, my research primarily focuses on statistical machine learning, multivariate statistical learning, statistical computing, and healthcare analytics. With funding from various agencies and over 80 publications in reputable journals, my dedication to advancing statistical knowledge and practices is evident. I have been an Elected Member of the International Statistical Institute (ISI) since 2015 and a Fellow of the American Statistical Association (ASA) since 2022.

As an active participant and contributor in ICSA activities, I have organized, spoken at, and chaired sessions at several ICSA conferences, including the ICSA Applied Statistics Symposiums and ICSA China Conferences. My considerable participation in organizing committees and leadership positions in other professional societies exemplifies my commitment to the statistical community. Moreover, I take great pride in having the opportunity to significantly influence and guide the next generation of statisticians and data scientists. To date, I have graduated eleven Ph.D. students who have collectively garnered thirteen national or international student awards. These include the prestigious John van Ryzin Award (once), ENAR Distinguished Student Paper Award, and the ICSA Student Paper Award.

As a board member of ICSA, I am committed to leveraging my experience and expertise to foster collaboration and innovation within the organization. In light of the rapidly evolving landscape of data science, machine learning, and artificial intelligence, I envision a future where statistics fully embraces the challenges and opportunities presented by these advancements. I will work diligently to strengthen our community and promote the development of statistical methodologies and applications across various fields, integrating these emerging technologies to enhance our discipline. If elected, I will strive to amplify ICSA’s visibility and impact on the global stage, support and mentor early-career statisticians, and work closely with the ICSA leadership and members to address the challenges and opportunities facing our profession in this exciting era of data-driven innovation.

It would be an honor to serve the ICSA community as a board member, and I am excited to contribute my passion, knowledge, and experience to further the association’s mission.

## **Dr. Xinping Cui**



**Present Position**

Professor of Statistics Department at UC Riverside

**Former Position**

Professor and Chair of Statistics Department at UC Riverside (2015-2021)

**Degree**

Ph.D.

**Fields of Major Statistical Activities**

Statistical Genomics and Bioinformatics, Multiple Testing, System Biology, Biomarker discovery

**Selected publication**

1. Cui X\*, Xu J, Asghar R, Condamine P, Svensson JT, Wanamaker S, Stein N, Roose M, Close TJ 2005. Detecting single-feature polymorphisms using oligonucleotide arrays and robustified projection pursuit, Bioinformatics, 21(20), 3852-3858

2. Xu J, Cui X\* 2008. Robustified MANOVA with applications in detecting differentially expressed genes from oligonucleotide arrays, Bioinformatics, 24 (8), 1056-1062

3. You N, Murillo G@, Su X, Zeng X, Xu J, Ning K, Zhang S, Zhu JK, Cui X\* 2012. SNP calling using genotype model selection on high-throughput sequencing data. Bioinformatics, 28(5), 643-650

4. Murillo G@, You N, Su X, Cui W, Ning K, Reilly MP, Li M, Cui X 2016. MultiGeMS: detection of SNVs from multiple samples using model selection on high-throughput sequencing data. Bioinformatics, doi: 10.1093/bioinformatics/btv753

5. Tan C, Cui W, Cui X, Ning K. 2018. Strain-GeMS: Optimization subspecies identification from microbiome data based on accurate variant modeling. Bioinformatics, doi: 10.1093/bioinformatics/bty844

6. Zhao H, Wang B@, Cui X\* 2010. General solutions to consistency problems in multiple hypothesis testing. Biometrical Journal, 52(6), 735-746

7. Cui X\*, Zhao H, Wilson J@ 2010 Optimized ranking and selection methods for feature selection with application in microarray experiments. Journal of Biopharmaceutical Statistics 20(2), 223-239

8. Zhao H, Cui X. 2020. Constructing confidence intervals for selected parameters. Biometrics. 76(4) 1098-110, doi:10.1111/biom.13222

9. Luo N, Yan A, Liu G, Guo JZ, Rong D, Kanaoka MM, Xiao Z@, Xu G, Higashiyama T., Cui X, Yang ZB 2017 Exocytosis-coordinated mechanisms for tip growth underlie pollen tube growth guidance. Nature Communications, 8(1) 1687 doi:10.1038/s41467-017-01452-0.

10. Tian CW@, Shi QY, Cui X, Guo JZ, Yang ZB, Shi JP. 2019. Spatiotemporal dynamics of a reaction-diffusion model of pollen tube tip growth. J. Math. Biol. Vol. 79, 1319-1355

11. \*@ Xiao Z, Brunel N, Tian CW, Guo JZ, Yang ZB, Cui X. (2022). Constrained Nonlinear and Mixed Effects Integral Differential Equation Models for Dynamic Cell Polarity Signaling. Frontiers in Plant Science, 13. <https://doi.org/10.3389/fpls.2022.847671>

Book

12. Cui X, Dickhaus T, Ying D, Hsu JC. (2021) Handbook of Multiple Comparisons. Chapman and Hall/CRC.

**ICSA Activities**

Scientific Program Committee for the 10th ICSA International Conference: Global Growth of Modern Statistics in the 21st Century, 2016

Scientific Program Committee for ICSA China Conference With the Focus on Data Science, 2018

Scientific Program Committee for ICSA China Conference, 2021

Scientific Program Committee for ICSA 2022 Applied Statistics Symposium

**Professional Committees**

President, ASA Orange County Long Beach Chapter

**Honors and Awards**

ASA Fellow, 2023

Elected Member of International Statistical Institute, 2013

UC Regent’s Faculty Development Awards, 2007

UC Regent’s Faculty Fellowship Awards, 2003

**Statements**

I am honored to be nominated as a candidate for ICSA Board of Directors. If elected, I will devote myself to support and promote ICSA activities to help ICSA continues to be an active and influential society for statistics, probability, and data science. I will also actively serve ICSA to facilitate new professional activities and community outreach to strengthen academic-industry interaction among statistical professionals, and to foster the continuous growth of the data science professionals in ICSA society.

## **Dr. Gaohong Dong**



**Present Position**

Director of Biostatistics, BeiGene

**Former Position**

Founder of iStats Inc. (a consulting firm)

**Degree**

PhD in Biostatistics (2010), University of Medicine and Dentistry of New Jersey (merged to Rutgers, the State University of New Jersey in 2013)

**Fields of Major Statistical Activities**

Win statistics (win ratio, win odds, and net benefit), prioritized multiple outcomes, meta-analyses, missing data imputation, adaptive design, hybrid Bayesian-frequentist design, and event prediction.

**Selected publication**

Gaohong Dong (https://scholar.google.com/citations) has 35 peer-reviewed statistical papers, statistical book chapters, and medical research papers, and he is an author with over 80 presentations and posters presented at medical congresses/conferences. Gaohong has a great passion on statistical research. His research of the stratified win ratio and the win odds have been applied to designs and analyses of clinical trials including phase III studies.

10 selected peer-reviewed statistical papers:

• Dong G, Hoaglin DC, Huang B, Cui Y, Wang D, Chang Y, Gamalo-Sieber M. The stratified win statistics (win ratio, win odds, and net benefit). Pharmaceutical Statistics. 2023. Doi: 10.1002/pst.2293.

• Dong G, Huang B, Verbeeck J, Cui Y, Song J, Gamalo-Siebers M, Wang D, Hoaglin DC, Seifu Y, Mütze T, Kolassa J. Win statistics (win ratio, win odds, and net benefit) can complement one another to show the strength of the treatment effect on time-to-event outcomes. Pharmaceutical Statistics. 2023;22(1):20-33.

• Cui Y, Dong G, Kuan PF, Huang B. Evidence synthesis analysis with prioritized benefit outcomes in oncology clinical trials. Journal of Biopharmaceutical Statistics. 2022. doi: 10.1080/10543406.2022.2141769

• Dong G, Huang B, Wang D, Verbeeck, Wang J, Hoaglin DC. Adjusting win statistics for dependent censoring. Pharmaceutical Statistics 2021 May; 20(3):440-450.

• Dong G, Mao L, Huang B, Gamalo-Siebers M, Wang J, Yu G, Hoaglin DC. The inverse-probability-of-censoring weighting (IPCW) adjusted win ratio statistic: an unbiased estimator in the presence of independent censoring. Journal of Biopharmaceutical Statistics. 2020;30(5):882-899.

• Dong G, Hoaglin DC, Qiu J, Matsouaka RA, Chang YW, Wang J. and Vandemeulebroecke M. The win ratio: On interpretation and handling of ties. Statistics in Biopharmaceutical Research. 2020;12(1): 99-106.

• Dong G, Qiu J, Wang D, Vandemeulebroecke M. The stratified win ratio. Journal of Biopharmaceutical Statistics. 2018;28(4):778-796. • Dong G. A modified varying-stage adaptive phase II/III clinical trial design. Pharmaceutical Statistics 2016; 15(4):368-378.

• Dong G. A varying-stage adaptive phase II/III clinical trial design. Statistics in Medicine. 2014 Apr 15;33(8):1272-87.

• Dong G, Shih JW, Moore M, Quan H, and Marcella S. A Bayesian-frequentist two-stage single-arm phase II clinical trial design. Statistics in Medicine. 2012 Aug 30;31(19):2055-67.

**ICSA Activities**

• Member of Scientific Program Committee for 2023 ICSA Applied Statistics Symposium

• Instructor of the short course “Win statistics (win ratio, win odds and net benefit): introduction, properties, implementations, and applications” for 2023 ICSA Applied Statistics Symposium

• Permanent member of ICSA since 2016

• Session organizer/chair and speaker for ICSA conferences during the past 10 years

**Professional Committees**

• Scientific Program Committee for 2023 ICSA Applied Statistics Symposium

• Associate Editor for Journal of Biopharmaceutical Statistics since 2017

• Session organizer/chair and speaker for major statistics conferences (e.g., ICSA, JSM, Regulatory-Industry Statistics Workshop) during the past 10 years.

**Honors and Awards**

• Business Excellence, Tribute, Exceptional Team Performance, and other awards at Novartis, during 2005 – 2016.

• Poster of distinction (Poster for missing renal function data imputation - evidence from a phase III transplant trial), World Transplant Congress (WTC), 2014

**Statements**

ICSA is one of the largest statistical organizations in the world. It has been playing a critical role in promoting statistical theories, applications, communications, and cooperative efforts in a wide range of statistical activities. Many of ICSA members are leaders in various statistical areas, including department head of statistics. I am proud of being a permeant member of ICSA since 2016. I am really honored to be nominated as a candidate for a member of the ICSA Board of Directors. If elected, I will closely work with and support the ICSA Board and the ICSA leadership team to continuously achieve the ICSA objectives and fulfil the obligations of the ICSA Board of Directors. Specifically, I will contribute the followings at a minimum:  
• Listen to ICSA members and serve ICSA members  
• Support opportunities for ICSA members to sharp up their leadership and collaboration skills (e.g., via workshops). Ultimately more outstanding members will play a leadership role in major national and international statistical societies such as ASA.  
• Seek opportunities of knowledge sharing for ICSA members (e.g., virtual workshops/webinars/short courses).  
• Improve diversity of participants for large statistical activities, e.g., collaborate with other statistical organizations to co-host some scientific programs  
I am looking forward to this opportunity to serve you. I sincerely ask for your support.

## **Dr. Yang Feng**

A person in a suit and tie

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**Present Position**

Associate Professor and Ph.D. Program Director, Department of Biostatistics, School of Global Public Health, New York University

**Former position**

Associate Professor, Department of Statistics, Columbia University

**Degree**

Ph.D. in Operations Research, Princeton University

**Fields of Major Statistical Activities**

High-dimensional statistics, social network analysis, machine learning

**Selected publication**

1. Tian, Y. and Feng, Y. (2022), Transfer Learning under High-dimensional Generalized Linear Models, Journal of American Statistical Association, to appear.

2. Yuan, M., Liu, R., Feng, Y., and Shang, Z. (2022), Testing Community Structures for Hyper- graphs, Annals of Statistics, 50(1): 147-169.

3. Demirkaya, E, Feng, Y, Basu, P., and Lv, J. (2022), Large-scale model selection in misspecified generalized linear models, Biometrika, 109(1), 123-136.

4. Tian, Y. and Feng, Y. (2021). RaSE: A variable screening framework via random subspace ensembles. Journal of the American Statistical Association, to appear.

5. Tian, Y. and Feng, Y. (2021). RaSE: Random subspace ensemble classification, Journal of Machine Learning Research, 22(45): 1-93.

6. Tang, F., Feng, Y., Chiheb, H., Fan, J. (2021), The Interplay of Demographic Variables and Social Distancing Scores in Deep Prediction of U.S. COVID-19 Cases, Journal of the American Statistical Association, 116(534), 492-506.

7. Tong, X., Xia, L., Wang, J., and Feng, Y. (2020), Neyman-Pearson classification: parametrics and sample size requirement. Journal of Machine Learning Research, 21(12), 1-48.

8. Feng, Y. and Yu, Y. (2019), The restricted consistency property of leave-nv-out cross-validation for high-dimensional variable selection, Statistica Sinica, 29, 1607-1630

9. Hao, N., Feng, Y., and Zhang, H.H. (2018), Model selection for high dimensional quadratic regression via regularization, Journal of the American Statistical Association, 113, 615-625.

10. Tong, X., Feng, Y., and Li, J. (2018), Neyman-Pearson classification algorithms and NP receiver operating characteristic, Science Advances, Vol. 4, no. 2, eaao1659.

11. Fan, J., Feng, Y. and Song, R. (2011), Nonparametric independence screening in ultra-high dimensional additive models, Journal of the American Statistical Association, 106, 544-557.

12. Fan, J., Feng, Y., and Wu, Y. (2009). Network exploration via the adaptive LASSO and SCAD penalties. The Annals of Applied Statistics, 3(2), 521-541.

**ICSA Activities**

2014 - Present, Associate Editor, Statistica Sinica

Invited Session Organizer and Chair, 2021 ICSA China Conference

Invited Session Organizer and Chair, 2020 ICSA China Conference

Program Committee, 2018 ICSA Applied Statistics Symposium, New Brunswick, NJ, June 2018

Featured invited session organizer and chair, 2018 ICSA Applied Statistics Symposium, New Brunswick, NJ, June 2018

Invited session organizer and chair at ICSA China 2015, Shanghai, China, July 2015

Program Committee for 2014 ICSA/KISS meeting, Portland, Oregon, June 2014

Invited session organizer at the 2011 ICSA meeting, New York, NY, June 1011

**Professional Committees**

Lead Organizer and session chair, 2022 Workshop on Statistical Network Analysis and Beyond (SNAB2022), School of Global Public Health, New York University, New York, NY, Aug 2022

ASA SLDS Student Paper Competition Committee, 2021-2022, 2022-2023

Program Committee, ACM-IMS Foundations of Data Science Conference (FODS-2020)

Lead Organizer, international workshop on “Machine Learning and Data Science”, Columbia University, New York, NY, June 2019

Lead Organizer, international workshop on “Statistical Challenges in High-dimensional and Complex Data”, Columbia University, New York, NY, Sep 2018

Scientific committee, Financial Engineering and Risk Management International Symposium 2018, Shanghai, China, June 2018

Program Committee, AAAI 2018

Scientific and Organizing Committee, HDDA-VI: The Sixth International Workshop on the Perspectives on High-Dimensional Data Analysis, Toronto, Ontario, Canada, May 2016

Program Committee, ICML 2016

Co-organizer, workshop on “networks, random graphs, and statistics”, Columbia University, New York, NY, May 2016

**Honors and Awards**

2022 Fellow, American Statistical Association

2022 Finalist, NYU School of Global Public Health Teaching Excellence Award

2021 NYU University Research Challenge Fund

2020 NYU Curriculum Development Challenge Fund Award

2017 Elected Member, International Statistical Institute

2016 NSF CAREER Award 2012 New World Mathematics Award (Silver Prize)

2010 Wallace Memorial Honorific Fellowship (the highest award for a Princeton graduate student)

2009 Laha Award from the Institute of Mathematical Statistics (IMS)

**Statements**

As an ICSA lifetime member and Associate Editor of Statistica Sinica, I am deeply honored to be nominated for the Board of Directors of ICSA. During my years of service in the statistics community, I have demonstrated a strong commitment to advancing the field of statistics, promoting professional development, and fostering collaboration among statisticians worldwide. Besides Statistica Sinica, I am currently serving as Associate Editor for the Annals of Applied Statistics, Journal of the American Statistical Association, and Journal of Business and Economic Statistics. As a lead organizer of multiple international workshops, I will bring valuable experience in organizing and expanding ICSA activities. I am also deeply committed to outreaching effort in bring together statisticians from all walks of life, including academia, industry and research organizations. As a faculty member at NYU's School of Global Public Health, I will work to expand ICSA's global outreach, including NYU's sites in Asia, Europe, and South America. If elected, I will work tirelessly with the ICSA leadership to lead the organization toward further growth and success. Again, I am thankful and thrilled to have this opportunity to be nominated to serve in the Board of Directors to give back to the association.

## **Dr. Fan Li**

A person standing in front of a pond

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**Present Position**

Professor of Statistical Science, Duke University

**Former Position**

Associate Professor of Statistics, Duke University

**Degree**

PhD, statistics, Johns Hopkins

**Fields of Major Statistical Activities**

causal inference, neuroscience

**Selected publication**

https://arxiv.org/abs/2103.00605, to appear in Statistica Sinica

**ICSA Activities**

Only a member, so far.

**Professional Committees**

ISBA nominating committee, Mitchell Prize committee, SAMSI and MBI program organizer, G70 conference, IMS program chair for ENAR, external review committee for the Wharton Dept. of Statistics and Data Science.

**Honors and Awards**

Fellow of the ASA

**Statements**

Fan Li is organized, energetic, mid-career, smart and very direct. She will bring more Bayesian representation into the ICSA Board. She will find ways to broaden our profession's recognition of the contributions of Chinese statisticians.

## **Dr. Jialiang Li**

A picture containing person, human face, outdoor, smile

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**Present Position**

Professor, National University of Singapore

**Former Position**

Professor, National University of Singapore

**Degree**

PhD

**Fields of Major Statistical Activities**

Personalized medicine, diagnostic medicine, statistical learning, survival analysis

**Selected publication**

Li, J., Li, Y., Hsing, T. (2022). On Functional Processes with Multiple Discontinuities. Journal of the Royal Statistical Society Series B. 84(3): 933-972.

Li, J., Lv, J., Wan, A.K.T., Liao, J. (2022). AdaBoost semiparametric model averaging prediction for multiple categories. Journal of the American Statistical Association (T&M). 117: 495-509.

Li, J., Jin, B. (2018). Multi-threshold Accelerated Failure Time Model. The Annals of Statistics. 46: 2657-2682.

Li, J., Huang, C., Zhu, H. (2017). A Functional Varying-Coefficient Single Index Model for Functional Response Data. Journal of the American Statistical Association (T&M). 112: 1169-1181.

**ICSA Activities**

2019, Organizer for an invited session in ICSA Applied Statistics Symposium in Raleigh, USA;

2021 September, member of ICSA 2021 Applied Statistics Symposium Scientific Program Committee. Virtual Meeting.;

2022, member of 2022 ICSA China Conference Scientific Program Committee. Xi’an, China. Postponed;

2023, member of 12th ICSA International Conference Program Committee. Hong Kong, China;

Jialiang Li has also attended more than 10 ICSA meetings in the past 15 years as invited session speakers.

**Professional Committees**

Editorial board for Biometrics, Lifetime Data Analysis, Biostatistics and Epidemiology.

Member of International Biometric Society (IBS) Budget and Finance Committee: 2016-2019, 2020-2023.

**Honors and Awards**

2011 Young Scientist Award, National University of Singapore.

2019 Elected Member of International Statistical Institute (ISI).

2020 Fellow of American Statistical Association (ASA).

2022 Fellow of Institute of Mathematical Statistics (IMS).

**Statements**

Jialiang Li has conducted teaching and research in statistics at National University of Singapore. He participated in many ICSA activities as session speakers and organizers and been involved in the organization of quite a few recent ICSA events. It will be an honour for me to serve ICSA as a Member for Board of Directors. After the pandemic is over, statistical conferences and meetings will return to the normal format with face-to-face sessions. We can foresee a growing number of events that ICSA will sponsor and organize. They definitely require more efforts than before. ICSA meetings and events have always been very helpful to enhance our professional connections and interactions. I personally benefitted from these activities and I think it is a right time for me to contribute back. In addition to help organizing various sessions for ICSA meetings in the past, I also have abundant experiences in help organize professional events such as multiple workshops in Singapore, multiple invited sessions at Joint Statistical Meetings, and IMS meetings. With those experiences I hope I could provide high quality service to ICSA and help organize all kinds of international events in the coming years.

## **Dr. Jianchang Lin**

A person wearing glasses and a blue shirt

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**Present Position**

Senior Director, Statistics & Quantitative Science, Data Science Institute, Takeda

**Former Position**

Director, Statistics, Takeda

**Degree**

Ph.D. in Statistics, Florida State University, 2011; B.S. in Mathematical Statistics, University of Science and Technology of China, 2005

**Fields of Major Statistical Activities**

Innovative clinical trial designs, quantitative decision making, RWD/RWE methods and advanced analytics.

**Selected publication**

80+ publications including 50+ statistical/clinical peer reviewed journals, book chapters and 30+ abstracts, e.g. NEJM, JAMA Oncology, Blood, Cancer Discovery, Biometrics, Statistics in Medicine, etc. and served as editors for two books published in Springer.

Edited Books

1. J. Lin, B. Wang, X. Hu, K. Chen, R. Liu (Editors) “Statistical Applications from Clinical Trials and Personalized Medicine to Finance and Business Analytics” Springer, New York, 2016, III, 347 p 2. M. Hu, Y. Liu and J. Lin (Editors) “Topics in Applied Statistics: 2012 Symposium of the International Chinese Statistical Association” Springer, New York, 2013, XVII, 344 p

Selected Publications

1. Z. Ji, J. Lin, J. Lin (2022) “Optimal Sample Size Determination for Single-Arm Trials in Pediatric and Rare Populations with Bayesian Borrowing”. Journal of Biopharmaceutical Statistics

2. S. Kolluri, J. Lin, R. Liu, Y. Zhang, W. Zhang (2022) “Machine Learning and Artificial Intelligence in Pharmaceutical Research & Development: A Review”. The AAPS Journal, an official journal of the American Association of Pharmaceutical Scientists (AAPS), 24:19

3. M. Liu, V. Bunn, B. Hupf, J. Lin, J. Lin (2021) “Propensity Score-Based Meta-Analytic Predictive Prior for Incorporating Real-World and Historical Data”. Statistics in Medicine, 40: 4794-4808

4. B. Hupf, V. Bunn, J. Lin, C. Dong (2021) “Bayesian Semiparametric Meta-Analytic-Predictive Prior for Historical Control Borrowing in Clinical Trials”. Statistics in Medicine, 40:3385–3399.

5. B. Bornkamp, K. Rufibach, J. Lin, Y. Liu, D. V Mehrotra, S. Roychoudhury, H. Schmidli, Y. Shentu, M. Wolbers (2021) “Principal Stratum Strategy: Potential Role in Drug Development". Pharmaceutical Statistics, 20:737–751.

6. M. Liu, Q. Li, J. Lin, Y. Lin, E. Hoffman (2021) “Innovative trial designs and analyses for vaccine clinical development”. Contemporary Clinical Trials, Volume 100

7. P. Li, R. Liu, J. Lin, Y. Ji (2020) “TEPI-2 and UBI: designs for optimal immuno-oncology and cell therapy dose finding with toxicity and efficacy”. Journal of Biopharmaceutical Statistics, 30:6, 979-992

8. A. Sinha, J. Lin, et al (2019) “Adaptive Group-Sequential Design with Population Enrichment in Phase 3 Randomized Controlled Trials with Two Binary Co-Primary Endpoints”. Statistics in Medicine, 38:3985–3996

9. J. Lin, V. Bunn. (2017) “Comparison of multi-arm multi-stage design and adaptive randomization in platform clinical trials”. Contemporary Clinical Trials, Volume 54, 48-59

10. J. Lin, D. Sinha, S. Lipsitz and A. Polpo. (2012) “Semiparametric Bayesian Survival Analysis Using Models with Log-Linear Median”. Biometrics, 68 (4), 1136-1145

**ICSA Activities**

Program committee for ICSA Applied Statistics Symposium, 2021;

Program committee for Joint 24th ICSA Applied Statistics Symposium and 13th Graybill Conference, 2015;

Co-editor for two books for ICSA Applied Statistics Symposium;

Organizer/chair/presenter for session in various ICSA conferences and meetings

**Professional Committees**

• Steering Committee for ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop (RISW); co-lead on various subcommittee, 2022, 2023

• Council of Chapter Representative for American Statistics Association Boston Chapter, 2022 - 2025

• Scientific Committee for Annual Boston Pharmaceutical Symposium, Boston Chapter of the ASA (BCASA), 2020-present

• Scientific Program Committee, 35th New England Statistics Symposium (NESS), 2022

• Associate Editor, Journal of Biopharmaceutical Statistics, 2020-present

• Guest Editor, Journal of Biopharmaceutical Statistics' special issues on dose optimization, 2022-present

**Honors and Awards**

• Takeda Executive Team (TET) Award, 2017

• Takeda R&D Project Award, 2019, 2020

• International Biometric Society's (ENAR) Distinguished Student Paper Award, 2012

• American Statistical Association (ASA) Section on Bayesian Statistical Science (SBSS) Student Paper Award, 2012

• Principal Investigator for MIT-Takeda artificial intelligence (AI) Program (2020-2024)

**Statements**

I am honored to be nominated for the candidate to ICSA Board of Directors. My engagement with ICSA since I was serving as co-editor for the first proceeding book of the 2012 ICSA symposium published in Springer. ICSA has provided us many positive impact and opportunities to learn, share and serve in our statistics community. In the past years, we have seen the fast growing and expanding of statistical and data science across different disciplines with many new challenges and opportunities. If elected as a board of director, I am looking forward to continue promoting the practice of our profession in medical product development in data and digital era. Our close collaborations and communications among industry, regulatory agencies and academia are also critical to address increasing complex real-world problems we are facing and enhancing further innovation for statistics and data science. I am very excited to contribute toward our community and collaboration both within and beyond the ICSA.

## **Dr. Zhonghua Liu**

A person in a suit and tie

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**Present Position**

Assistant Professor, Department of Biostatistics, Columbia University, New York, NY, USA

**Former Position**

Assistant Professor, Department of Statistics and Actuarial Science, University of Hong Kong, Hong Kong

**Degree**

ScD

**Fields of Major Statistical Activities**

Statistical Genetics/Genomics and Causal Inference

**Selected publication**

1. Sun B., Liu Z., Tchetgen Tchetgen E. (2023) Semiparametric efficient G-estimation with invalid instrumental variables, Biometrika, asad011.

2. Liu, Z., Ye, T., Sun, B., Schooling, M., and Tchetgen Tchetgen, E. (2022) Mendelian randomization mixed-scale treatment effect robust identification and estimation for causal inference. Biometrics. doi: 10.1111/biom.13735.

3. Liu, Z., Shen, J., Barfield, R., Schwartz, J., Baccarelli, A. A., and Lin, X. (2022). Large-scale hypothesis testing for causal mediation effects with applications in genome-wide epigenetic studies. Journal of the American Statistical Association, 117:53,67-81.

4. Xu, S., Fung, W. K., & Liu, Z. (2021). MRCIP: a robust Mendelian randomization method accounting for correlated and idiosyncratic pleiotropy. Briefings in Bioinformatics, 22(5), bbab019.

5. Liu, Z. and Lin, X. (2019). A geometric perspective on the power of principal component association tests in multiple phenotype studies. Journal of the American Statistical Association, 114:527, 975-990.

**ICSA Activities**

1. Session organizer, the 12th ICSA International Conference in Hong Kong, 2023

2. Invited session speaker, the 12th ICSA International Conference in Hong Kong, 2023

3. Short course teaching, ICSA 2023 Applied Statistics Symposium, Ann Arbor, MI

4. Invited talk, ICSA 2023 Applied Statistics Symposium, Ann Arbor, MI

5. Session organizer, ICSA 2023 China Conference, Chengdu, China

**Professional Committees**

Committee Member of the ENAR Distinguished Student Paper Awards, 2022 – present

**Honors and Awards**

American Society of Human Genetics, Reviewer’s Choice Award, Top 10%, 2020.

Harvard Presidential Scholarship, Harvard University President's Office, 2010-2015

**Statements**

I am very honored to be nominated to the Board of ICSA. I have been actively engaged in various ICSA conferences and related activities over the past years. My professional work experiences in both academia and industry (Morgan Stanley Global Headquarter) across Asia (Hong Kong) and North America (New York), put me in a unique position to make contributions to our society. I also have leadership experience serving the Chinese Students and Scholars Association at Harvard University, organizing both academic and social activities. I also co-founded the elite applied artificial intelligence degree program at University of Hong Kong in 2018. I very much look forward to working closely with the ICSA leadership and fellow members to further expand the global impacts of ICSA in academia and beyond. Thank you very much for your trust and support.

## **Dr. Li-Xuan Qin**

Medium shot of a person smiling

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**Present Position**

Associate Attending Biostatistician, Memorial Sloan Kettering Cancer Center (MSKCC), New York, US;

Co-Director, Biostatistics & Bioinformatics Core, Specialized Programs of Research Excellence (SPORE) in Soft Tissue Sarcoma at MSKCC

**Former Position**

Associate Professor, Department of Biostatistics, University of Michigan

**Degree**

Ph.D.

**Fields of Major Statistical Activities**

Cancer Biostatistics, Statistical Genomics, Reproducible Research

**Selected publication**

Qin LX, Huang HC, Begg CB. Cautionary note on using cross-validation for molecular classification. Journal of Clinical Oncology 2016.

Düren Y, Lederer J, Qin LX. Depth normalization for small RNA sequencing: Using data and biology to select a suitable method. Nucleic Acids Research 2022.

Wu Y, Yuen BW, Y Wei, Qin LX. On data normalization and batch-effect correction for tumor subtyping with microRNA data. Nucleic Acids Research Genomics and Bioinformatics 2023.

**ICSA Activities**

Lifetime member of ICSA  
 I have organized 10 invited session for the ICSA sponsored conferences since 2014.

**Professional Committees**

International Chinese Statistical Association, American Statistical Association, International Biometric Society, American Society of Clinical Oncology

**Honors and Awards**

2004 – 2005 Rosetta Fellowship, University of Washington & Merck Research Labs;

2011 Competitive admission to the AAMC Early Career Women Faculty Professional Development Seminar

**Statements**

I am honored to be nominated as a candidate for the position of Member in the International Chinese Statistics Association (ICSA) Board of Directors. I have been an ICSA member for 10+ years actively contributing to the societal life in various capacities.

Since joining MSKCC in 2005, I have had the fortune of numerous collaborations with leading oncologists and cancer biologists and many interactions with talented staff statisticians and visiting students, whose collective mission is to understand the functions of genes in carcinogenesis and to develop better therapies for this genetic malignancy. These experiences have helped shape my research program to reproducible statistical learning of genomics and genetics data, with an emphasis on empirically motivated development of statistical methodology, evidence-based practice of data preprocessing, and clinically oriented application to carefully curated datasets. Centering on statistical genetics and genomics, I have organized 10 invited sessions for ICSA sponsored conferences (such as the annual Applied Statistical Symposium, the International Conference, and the Joint Biostatistics Symposium) since 2014.

From 2019 to 2022, I have had the privilege of serving for the American Statistical Association on the Section on Statistics in Genomics and Genetics (SSGG) Executive Committee (EC) as treasurer. I manage the budget, run short-course registration, and actively contribute ideas and resources to the planning of activities and initiatives (such as the mentoring webinar). I have found my life enriched and friendships built by these involvements. I would love to continue contributing to the statistical community through committee work with ICSA.

If elected, I will serve as a dutiful member for the ICSA Board Directors. More specifically, I will attend all needed ICSA meetings, engage in initiative and policy discussion, and contribute to other ICSA business conduct and outreach activities.

In closing, I am grateful to the trust of the nomination committee and appreciate your support.

## **Dr. Yiyuan She**



**Present Position**

Professor, Florida State University

**Former Position**

Associate Professor (2014-2018), Assistant Professor (2008-2014) at Florida State University

**Degree**

Ph.D. in Statistics, Stanford University (2008)

**Fields of Major Statistical Activities**

High Dimensional Statistics, Statistical Machine Learning, Optimization, Robust Statistics, Multivariate Statistics, Statistical Signal Processing, and Network Science

**Selected publication**

• Yiyuan She and Art Owen, “Outlier Detection Using Nonconvex Penalized Regression,” Journal of the American Statistical Association, Vol. 106, No. 494, pp. 626-639, 2011. Feature Article.

• Yiyuan She, “Selective Factor Extraction in High Dimensions,” Biometrika, Vol. 104, 97-110, 2017.

• Adrian Barbu, Yiyuan She, Liangjing Ding, and Gary Gramajo, “Feature Selection with Annealing for Computer Vision and Big Data Learning,” IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 39, 272-286, 2017.

• Yiyuan She, Zhifeng Wang, Jiuwu Jin, “Analysis of Generalized Bregman Surrogate Algorithms for Nonsmooth Nonconvex Statistical Learning”, Annals of Statistics, Vol. 49, no. 6, 3434-3459, 2021.

• Yiyuan She, Zhifeng Wang, and He Jiang, “Group Regularized Estimation under Structural Hierarchy,” Journal of the American Statistical Association, Vol. 113, 445-454, 2018.

• Yiyuan She, “Sparse Regression with Exact Clustering,” Electronic Journal of Statistics, Vol. 4, pp. 1055-1096, 2010.

• Yiyuan She, Jiahui Shen, Chao Zhang, “Supervised Multivariate Learning with Simultaneous Feature Auto-grouping and Dimension Reduction,” Journal of the Royal Statistical Society: Series B, 84(3), 912--932, 2022.

• Yiyuan She and Shao Tang, “Iterative Proportional Scaling Revisited: A Modern Optimization Perspective,” Journal of Computational and Graphical Statistics, Vol. 28, 48-60, 2019.

• Yiyuan She and Kun Chen, “Robust Reduced Rank Regression,” Biometrika, Vol. 104, 633-647, 2017.

• Yiyuan She, “An Iterative Algorithm for Fitting Nonconvex Penalized Generalized Linear Models with Grouped Predictors,” Computational Statistics & Data Analysis, Vol. 56, pp. 2976-2990, 2012.

**ICSA Activities**

• Life-time member of ICSA

• (2019-2021) Nomination and Election Committee, International Chinese Statistical Association (ICSA)

• Session organizer or chair for ICSA meetings (4 times)

**Professional Committees**

Program Scientific Committee, ASA's Section on Statistical Learning and Data Mining.

Nomination and Election Committee, International Chinese Statistical Association

**Honors and Awards**

• Elected Fellow, Institute of Mathematical Statistics (2021)

• Elected Fellow, American Statistical Association (2020)

• Elected Member, International Statistical Institute (2020)

• NSF CAREER Award

**Statements**

I am humbled and honored to be nominated as a candidate for the Board of Directors for ICSA. As a dedicated statistician with many years of experience in the field, I am excited to contribute to the growth and success of this esteemed organization. My passion for statistics has led me to various roles in the discipline, including research, teaching, and service. I am confident that my expertise, experience and enthusiasm will serve me well in this new role.

If elected to the Board of Directors, I will be committed to using my knowledge and expertise to advance the goals and growth of ICSA. I plan to focus on (a) expanding membership and engagement, e.g., working with the board to develop outreach activities to attract new members, especially those from underrepresented groups; (b) promoting statistical education and training in data science, to meet the modern needs and provide opportunities for professional development; (c) fostering collaboration through joint conferences or other opportunities to bring together statisticians from different regions and backgrounds.

I am grateful for the opportunity to serve ICSA, and I look forward to working closely with all ICSA members to ensure the continued success and growth of our organization.

## **Dr. George Tseng**

A person wearing a graduation gown

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**Present Position**

Professor and Vice Chair for Research, Department of Biostatistics (primary), University of Pittsburgh; Professor, Department of Human Genetics (secondary), University of Pittsburgh; Professor, Department of Computational and Systems Biology (secondary), University of Pittsburgh.

**Former Position**

None

**Degree**

Sc.D., 2003, Biostatistics, Harvard University

**Fields of Major Statistical Activities**

genomics and bioinformatics; statistical machine learning; multi-modal data integration.

**Selected publication**

My research group has >200 publications balanced in methodological development and collaboration (>12,600 Google Scholar citations, h-index=60, and i10-index=145). Listed below are some recent publications.

1. Wei Zong, Tanbin Rahman, Li Zhu, Xiangrui Zeng, Yingjin Zhang, Jian Zou, Song Liu, Zhao Ren, Jingyi Jessica Li, Etienne Sibille, Adrian V. Lee, Steffi Oesterreich, Tianzhou Ma and George C. Tseng. (2023) Transcriptomic congruence analysis for evaluating model organisms. Proceedings of the National Acaemy of Science (PNAS). accepted.

2. Tanbin Rahman, Hsin-En Huang, Yujia Li An-shun Tai, Wen-Ping Hsieh, Colleen McClung, George C. Tseng. (2022) A sparse negative binomial classifier with covariate adjustment for RNA-seq data. Annals of Applied Statistics. 16:1071-1089.

3. Yujia Li, Tanbin Rahman, Tianzhou Ma, Lu Tang and George C. Tseng. (2022) A sparse negative binomial mixture model for clustering RNA-seq count data. Biostatistics. 24(1):68-84.

4. Yujia Li, Xiangrui Zeng, Chien-wei Lin, George C. Tseng. (2022) Simultaneous estimation of number of clusters and feature sparsity parameter in clustering high-dimensional data. Biometrics. 78:574-585.

**ICSA Activities**

Served as session organizer and invited speaker in ICSA conferences (e.g., ICSA Applied Statistics Symposium, ICSA International Conference).

**Professional Committees**

• President, American Statistical Association (ASA) Pittsburgh Chapter, 2015-2016. (three-year term: President-Elect in 2014-2015 and Past-President in 2016-2017)

• Chair, Section on Statistical Genomics and Genetics (SSGG), American Statistical Association (ASA), 2024 (three-year term: Chair-Elect in 2023 and Past-Chair in 2025)

**Honors and Awards**

• Clinical Research Scholar (K12) Award, Clinical and Translational Science Institute (CTSI), NIH. 2007-2010.

• Elected for “Senior Vice Chancellor’s Seminar Series”, University of Pittsburgh. 2010.

• Elected Member, International Statistical Institute (ISI). 2012.

• Statistician of the Year, American Statistical Association (ASA) Pittsburgh Chapter. 2017.

• Elected Fellow, American Statistical Association (ASA). 2017.

• Provost's Award for Excellence in Mentoring, University of Pittsburgh. 2019. (annually awarded to at most four University faculty for excellence in PhD advising)

• Institute for Clinical Research Education (ICRE) Distinguished Alumnus Award in Clinical Research. University of Pittsburgh. 2022.

**Statements**

It is a great honor to be considered for serving as a Board Member in ICSA. Being a lifetime member in ICSA since 2006, I have been an active participant in general ICSA activities. Having served in ASA Section on Statistical Genomics and Genetics (ASA-SSGG), ASA Pittsburgh Chapter, and as Vice Chair for Research in my Department, I am dedicated to work with other Board Members to support the three Presidents (Past-President, President and President-Elect) in ICSA routines and new initiatives. Throughout my career, I have been a team player and a contributor to our research community. As Statistics and Data Science continue to grow in many aspects, I believe ICSA has many potentials to grow within the association and outside to the international statistical society. Education and mentoring of the next generation statistician are especially two areas that can seek more opportunities.

## **Dr. I-Ping Tu**



**Present Position**

Research Fellow, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan

**Former Position**

Deputy Director, Institute of Statistical Science, Academia Sinica

**Degree**

Ph.D. in Statistics, Stanford University

**Fields of Major Statistical Activities**

The current research has mainly focused on developing statistical methods to analyze cryo-electron microscopy (cryo-EM) image data. In recent years, technical breakthrough has transformed cryo-EM to become a main tool for determination of molecular structure to atomic resolution without crystals or in solution. However, the process of structural determination from single-particle cryo-EM images is still very challenging because it involves processing extremely noisy images of unknown orientation. We have developed dimension reduction and clustering algorithms for highly noise image data. We will continue exploring statistical machine learning methods to improve the analysis.

**Selected publication**

Tze Leung Lai, Shao-Hsuan Wang, Szu-Chi Chung, Wei-hau Chang, and I-Ping Tu\* (2022). Uncertainty Qu antiﬁcation in Dynamic Image Reconstruction with Applications to Cryo-EM. Accepted by Statistica Sinica.

Wei-hau Chang\*, I-Kuen Tsai, Shih-Hsin Huang, Hsin-Hung Lin, Szu-Chi Chung, I-Ping Tu, Steve S.-F. Yu\* & Sunney I. Chan\* (2021) Cryo-EM structures of the functional particulate methane monooxygenase (pMMO) from Methylococcus capsulatus (Bath) reveals the sites of the copper centers. Journal of American Chemical Society, 143 (26): 99229932.

Wei-Hau Chang\*, Shih-Hsin Huang, Hsin-Hung Lin, Szu-Chi Chung, I-Ping Tu (2021). Cryo-EM Analyses Permit Visualization of Structural Polymorphism of Biological Macromolecules. Frontiers in Bioinformatics, 1:788308.

Shao-Hsuan Wang, Yi-Ching Yao, Wei-Hau Chang and I-Ping Tu\* (2021). “Quantification of model bias underlying the phenomenon of Einstein from Noise”. Statistica Sinica.

I-Ping Tu\*, Su-Yun Huang and Dai-Ni Hsieh (2019). “The generalized degrees of freedom of multilinear principal component analysis”. Journal of Multivariate Analysis 173, 26-37.

Ting-Li Chen, Dai-Ni Hsieh, Hung Hung, I-Ping Tu\*, Pei-Shien Wu, Yi-MingWu, Wei-Hau Chang and Su-Yun Huang (2014). “γ-SUP: a clustering algorithm for cryo-electron microscopy”. Annals of Applied Statistics 8, 259-285.

I-Ping Tu\* (2013). “The Maximum of a Ratchet Scanning Process over a Poisson Random Field”. Statistica Sinica 23, 1541-1551.

Hung Hung, Pei-Hsien Wu, I-Ping Tu\* and Su-Yun Huang (2012). “On multilinear principal component analysis of order-two tensors”. Biometrika 99, 569-583.

I-Ping Tu\* (2009). “Asymptotic Overshoot for Arithmetic IID Random Variables”, Statistica Sinica 19, 315-323.

I-Ping Tu, Marci Schaner, Maximilian Diehn, Branimir I. Sikic, Patrick O.Brown, David Botstein and Mike Fero\* (2004). “A Method for Detecting and Correcting Feature Misidentification on Expression Microarrays”. BMC Genomics 6, 54.

I-Ping Tu, Balise RR, Alice Whittemore\* (2000). “Detecting Disease Genes using Family Data. II. Application to nuclear families”. American Journal of Human Genetics 66, 1341-1350.

I-Ping Tu and David Siegmund\* (1999). “The Maximum of a Function of a Markov Chain and Application to Linkage Analysis” Advances in Applied Probability 31, 510-531.

Ping Tu and Alice Whittemore\* (1999). “Power of Association and Linkage Tests when the Disease Alleles are Unobserved”. American Journal of Human Genetics, 64, 641-649.

\*refers to the corresponding author.

**ICSA Activities**

2011-2013, Nomination and Election Committee for International Chinese Statistical Association (ICSA).

**Professional Committees**

2016-2018 Executive Member of the Council for The Chinese Institute of Probability and Statistics.

2017-2020 A.E. of Statistica Sinica

2017-2019 Program Affair Council, The Data Science Program of National Taiwan University and Academia Sinica. 2018-2022 Member of the Editorial Board of International Statistical Review

2019-2021 Routine Supervisor for The Chinese Institute of Probability and Statistics.

**Honors and Awards**

2013 Young Scholar Grant Award from Ministry of Science and Technology, Taiwan.

2019 ISI Elected member.

2020 ICCM Best Paper Award (Silver Award).

2021-2025 Principal Investigator Award from Academia Sinica.

**Statements**

I am really honored to be nominated as a candidate for the Board of Directors, International Chinese Statistical Association (ICSA). If I have the opportunity to serve this duty, I will help for the development of activities between ICSA and the scientific communities for bio-molecular image analysis. In particular, I would like to help for the development of statistical machine learning methods with bio-molecular image analysis that will have a wide variety of applications in academic and industrial communities. This will help the society of ICSA to develop more interfaces between the other communities related to image analysis.

## **Dr. Samuel Wu**



**Present Position**

Professor and Associate Chair for Research, Dept of Biostatistics, University of Florida

**Former Position**

Associate Professor, Dept of Biostatistics, University of Florida

**Degree**

PhD

**Fields of Major Statistical Activities**

Clinical trial design, data privacy technologies, simultaneous statistical inference

**Selected publication**

1. Wu, S. S., Wu, R. L., Ma, C-X., Zeng, Z. B., Yang, M. C. K. and Casella, G. (2001). A multivalent pairing model of linkage analysis in autotetraploids. Genetics, Vol. 159(3): 1339-50.

2. Mo, S., Wu, S. S., Chen, R. and Yang, M. C. K. (2001). Optimal sequential allocation with imperfect feedback information. J. Applied Probability, Vol. 38, No.1: 248-254.

3. Wu, S. S., Li, H. Y., and Casella, G. (2006). Tests with optimal average power in multivariate analysis. Statistical Sinica, 16(1): 255-266.

4. Wu, S. S., Wang, W. Z. (2007). Step-up simultaneous tests for identifying active effects in orthogonal saturated designs. Annals of Statistics 35(1): 449-463.

5. Wu, S. S., Wang, W., Yang, M. C. K. (2010) Interval estimation for drop-the-loser designs. Biometrika, 97: 405-418.

6. Neal, D., Casella, G., Yang, M. C. K., Wu, S. S. (2011). Interval estimation in two-stage, drop-the-losers clinical trials with flexible treatment selection. Statistics in Medicine. 30(23): 2804-14.

7. Wu S.S., Tu Y, He Y. (2014). Testing for efficacy in adaptive clinical trials with enrichment. Statistics in Medicine. 33(16):2736-45. (PMID: 24577792)

8. Wu S.S., Chen S., Burr D., Zhang L. (2017). A new data collection technique for preserving privacy. J Privacy and Confidentiality. Volume 7, Issue 3, Article 5.

9. Lu X., He Y., Wu S.S. (2018). Interval estimation in multi-stage drop-the-losers designs. Statistical Method in Medical Research. 27(1) 221-233. (PMID: 26980742)

10. Ding, A.A., Miao G., Wu S.S. (2020). On the privacy and utility properties of triple matrix-masking. J Privacy and Confidentiality. Volume 10, Issue 2.

**ICSA Activities**

1. Co-chair of Organizing Committee, 2022 ICSA Applied Statistics Symposium

2. Member, ICSA program committee, 2021 – present

3. Associate Editor, Statistics in Biosciences (2021 - present)

**Professional Committees**

1. Member of Special Emphasis Panel, NINDS Emergency Care Clinical Trials Panel (2022)

2. Member of Special Emphasis Panel, NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (2021)

3. Member of Special Emphasis Panel, NIH/NINDS Udall Centers Program (2021)

4. Member, NIH Biomedical Computing and Health Informatics Study Section (2016, 2020)

5. Editorial board, Neurorehabilitation and Neural Repair (2013 - present)

6. Senator, University of Florida Faculty Senate (2016 - 2019)

7. Interim chair, University of Florida Department of Biostatistics (2010 - 2012)

**Honors. And Awards**

1. Mark C. K. Yang Mentor Award, 2022, Department of Biostatistics and Department of Statistics, University of Florida

2. Dean’s Citation Paper Awards, 2018 & 2020, College of Public Health and Health Professions, University of Florida

3. US patent (#10013569) entitled “Privacy-preserving data collection, publication, and analysis,” awarded in July, 2018

4. Chattanooga Research Award, 2018, American Physical Therapy Association

5. University Term Professor 2016, University of Florida

**Statements**

Dr. Wu is uniquely qualified to serve as ICSA Board of Directors because he is familiar with statistical activities in both academia and industry. From 2010 to 2012, he served as interim chair of the new Department of Biostatistics at the University of Florida (UF), supervising all aspects of the launch of a fledgling department, including hiring staff, coordinating relocation to a new building, unifying grant funding and serving in the college Leadership Committees. He is the Founding Director of UF Research Design and Data Coordinating Center. He co-chaired the organizing committee of the 2022 ICSA Applied Statistics Symposium. Many of his former PhD and MS students are working in the pharmaceutical and technology companies. Through them, he has a good understanding of the activities and need of industry statisticians. In addition, He has good connections with deans of school of statistics and data science in mainland China and Taiwan.

## **Dr. Song Yang**

A person in a blue shirt

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**Present Position**

Senior Mathematical Statistician, Office of Biostatistics Research, National Heart, Lung, and Blood Institute, NIH.

Chair, Junior Colleague Mentoring Committee, Office of Biostatistics Research, National Heart, Lung, and Blood Institute, NIH.

**Former Position**

Program Officer, Summer Institute for Research Education in Biostatistics, NHLBI, 2016-2021.  
Program Officer, Summer Institute for Training in Biostatistics, NHLBI, 2003-2015.  
Visiting Staff Scientist, Fred Hutchinson Cancer Research Center, 1997-1998.  
From Assistant Professor to Full Professor and Statistics Coordinator, Department of Mathematics and Statistics, Texas Tech University, 1988-2003.

**Degree**

PhD in Statistics (1988), Michigan State University.

**Fields of Major Statistical Activities**

Clinical Trials, Survival Analysis, Semiparametric Inference.

**Selected publication**

• Yang, S., Troendle, J., Pak, D. and Leifer, E. (2022). Event-specific win ratios for inference with terminal and non-terminal events. Statist. in Med. 18 1225-1241.

• Yang, S. (2019). Improving testing and description of treatment effect in clinical trials with survival outcomes. Special issue “Recent Advances and Challenges in Statistical Methods for Complex Data Analysis and Study Design”, Statist. in Med. 38 530-544.

• Yang, S., Ambrosius, W.T., Fine L.J., Bress, A.P., Cushman, W.C., Raj, D.S., Rehman ,S. and Tamariz, L. (2018). A New Modeling and Inference Approach for the SPRINT Trial Outcomes. Clinical Trials 15 305-312.

• Yang, S. and Prentice, R. L. (2010). Improved logrank-type tests for survival data using adaptive weights. Biometrics 66 33-38.

• Yang, S. and Prentice, R. L. (2005). Semiparametric analysis of short term and long term relative risks with two sample survival data. Biometrika 92 1-17.

• Yang, S. (1999). Censored median regression using weighted empirical hazard and survival functions. J. Amer. Statist. Assoc. 94 137-145.

• Yang, S. (1992). Some inequalities about the Kaplan-Meier estimator. Ann. Statist. 20 535-544.

**ICSA Activities**

• Awarded Lifetime ICSA membership.

• Organizing Committee, the 12th ICSA International Conference, 2023.

• Award Committee, 2018-2021.

• Short course instructor, “Clinical trials for time-to-event outcomes: current practice and new developments”, 2017.

• Organizer/chair and invited speaker of various invited sessions in ICSA conferences over the last 20 years

• Planning Committee on short courses, ICSA Applied Statistics Symposium 2016.

• Reviewer for Statistica Sinica.

**Professional Committees**

• Associate Editor, Lifetime Data Analysis. 2013-present.

• Associate Editor, Statistics and Probability Letters. 2002-present.

• Quest Co-editor, Special issue from the 2010 NHLBI Workshop on Clinical Trials: Past, Present and Future. Statist. in Med. 31 2937-3072, 2012.

• Reviewer for associate/full professor/member promotion, University of Wisconsin (2021), Fred Hutchinson Cancer Research Center (2017), Columbia University (2006, 2016), New Jersey Institute of Technology (2008, 2016), University of Central Florida (2006), and University of Mississippi (2001).

• Invited session organizer/chair for JSM and ENAR conferences

• Organizing Committees of NHLBI workshops, 2010, 2016.

• Review Panel for NSF

• Guest Lecturer, Foundation for Advanced Education in the Sciences, NIH, 2010-present.

**Honors and Awards**

• NIH Director’s Award, 2016.

• Special Act or Service Award, NIH, 2012.

• Award of Merit, NIH, 2010, 2011.

• Star Award, Excellence in Administrative and Technical Support. NHLBI, 2009.

• Special Act Award, NIH, 2005.

• Honor Coach, Texas Tech Men’s Basketball, 1996

**Statements**

As someone who has worked in both academic and clinical trial governing positions with various leadership roles, I am fortunate to have worked with students, colleagues, collaborators and investigators from diverse backgrounds and disciplines, and to have witnessed the success of various projects and tasks I was involved in. It is both a blessing and a challenge to work with and lead interdisciplinary teams to successfully meet the goals.

If I have your trust to serve on the board, it would my great honor to work for you. I am driven to promote the interest of ICSA and its members, to expand the reach and to raise the visibility of our association and profession in academic, industry and government sectors and the broader community, to strengthen career guidance for students and early-career professionals, and to enhance opportunities for professional development in the era of ever evolving statistical thinking and practice.

## **Dr. Jingfei Zhang**

A person with long hair wearing a black shirt

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**Present Position**

Associate Professor of Information Systems and Operations Research, Goizueta Business School, Emory University

**Former Position**

Associate Professor, Miami Herbert Business School/Miller School of Medicine, University of Miami

**Degree**

Ph.D.

**Fields of Major Statistical Activities**

Statistical methods for networks, graphs, tensors, and point processes, with applications in business, biology and social science.

**Selected publication**

Xu, G., Zhang, J., Li, Y. and Guan, Y., Nonparametric Bias-correction and Test for Mark-point Dependence with Replicated Marked Point Processes, Journal of the American Statistical Association, accepted 2022.

Cai, B., Zhang, J.\* and Guan, Y., Latent Network Structure Learning from High Dimensional Multivariate Point Processes, Journal of the American Statistical Association, accepted 2022.

Zhang, J.\* and Li, Y., High Dimensional Gaussian Graphical Regression Models with Covariates, Journal of the American Statistical Association, accepted 2022.

Zhang, J.\*, Cai, B., Zhu, X., Wang, H., Xu, G. and Guan, Y., Learning Human Activity Patterns using Clustered Point Processes with Active and Inactive States, Journal of Business and Economic Statistics, accepted 2021.

Wang, J., Zhang, J., Liu, B., Guo, J. and Zhu, J., Fast Network Community Detection with Profile-Pseudo Likelihood Methods, Journal of the American Statistical Association, accepted 2021.

Zhou, J., Sun, W.W., Zhang, J. and Li, L., Partially Observed Dynamic Tensor Response Regression, Journal of the American Statistical Association, accepted 2021.

Zhang, J.\*, Sun, W.W. and Li, L. (2023), Generalized Connectivity Matrix Response Regression with Applications in Brain Connectivity Studies, Journal of Computational and Graphical Statistics, 32, 252-262.

Hu, J., Zhang, J., Qin, H., Yan, T., and Zhu, J. (2021), Using Maximum Entry-Wise Deviation to Test the Goodness-of-Fit for Stochastic Block Models, Journal of the American Statistical Association, 116, 1373-1382.

Zhang, J.\*, Sun, W. and Li, L. (2020), Mixed-Effect Time-Varying Network Model and Application in Brain Connectivity Analysis, Journal of the American Statistical Association, 532, 2022-2036.

Zhang, J. and Chen, Y. (2020), Modularity Based Community Detection in Heterogeneous Networks, Statistica Sinica, 30, 601-629.

Zhang, J.\* and Cao, J. (2017), Finding Common Modules in a Time-Varying Network with Application to the Drosophila Melanogaster Gene Regulation Network, Journal of the American Statistical Association, 112, 994-1008.

Deng, C., Guan, Y., Waagepetersen, R. and Zhang, J. (2017), Second-order Quasi-likelihood for Spatial Point Processes, Biometrics, 73, 1311-1320.

Zhang, J. and Chen, Y. (2017), A Hypothesis Testing Framework for Modularity Based Network Community Detection, Statistica Sinica, 27, 437-456.

Zhang, J. and Chen, Y. (2015), Monte Carlo Algorithms for Identifying Densely Connected Subgraphs, Journal of Computational and Graphical Statistics, 24, 827-845.

Zhang, J. and Chen, Y. (2013), Sampling for Conditional Inference on Network Data, Journal of the American Statistical Association, 108, 1295-1307.

**ICSA Activities**

Guest Editor, Statistica Sinica, Statistical Network Analysis and Beyond, 2022-present

Associate Editor, Statistica Sinica, 2020-present

Serve at 2 Scientific program committees at ICSA Conferences

Organized 3 invited sessions at ICSA conferences 5 Invited talks at ICSA conferences

**Professional Committees**

Scientific program committee, 12th ICSA International Conference 2023, Hong Kong

Local committee, Quantile Regression and Data Heterogeneity Workshop 2023, Miami

Scientific program committee, ICSA 2022 China Conference, Xi’an, China

Scientific program committee, EcoStatistics 2022, Kyoto, Japan

Award Committee, JSM 2019 Statistical Learning and Data Science Poster Award

Program committee co-chair, 2018 International Workshop on Network Data, Jilin, China

**Honors and Awards**

International Statistical Institute Elected Member

Emerging Scholar Award, Miami Herbert Business School (2020)

University of Miami Provost Research Award (2016)

University of Miami Provost Research Award (2015)

IMS New Researchers Travel Award (2013)

Norton Prize for Outstanding Thesis in Statistics, University of Illinois (2013)

**Statements**

I am much humbled and honored to be nominated as a candidate for the ICSA Board of Directors. If given the opportunity to serve, I am committed to working closely with the ICSA leadership and members to drive the continued growth of ICSA in terms of size, resources, influence, and impact. I am passionate about promoting networking and collaboration amongst junior and senior researchers in statistics, strengthening the connection between academia and industry, and expanding the reach of ICSA’s activities and journals to the broader communities in data science, machine learning, and business analytics. As an active member of ICSA, I have personally benefited tremendously from the support and opportunities ICSA provides to its members. I am thrilled to now have the chance to serve and contribute to the ongoing growth and success of our professional society.