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Please visit [https://www.icsa.org/candidates-for-2023-ICSA president-elect and board-of-directors/](https://www.icsa.org/candidates-for-2023-ICSA%20president-elect%20and%20board-of-directors/) and click each candidate’s name for more information. **Only eligible ICSA regular members can cast your vote at the voting site:**<https://www.icsa.org/icsa-2022-elections/>**. The voting will start on June 27, please cast your vote by July 27 at**<https://www.icsa.org/icsa-2022-elections/>. Thank you!

Please ensure the Membership Committee has your recent and correct e-mail address on file. For questions, you can reach the Membership Committee in private at [membership@icsa.org](mailto:membership@icsa.org).

# **Candidates for ICSA 2023 President-Elect**

|  |  |
| --- | --- |
| **A person with dark hair  Description automatically generated with low confidenceDr. Xun Chen**   Global Head of  Biostatistics and  programming Department,  Sanofi | **A person standing in front of a lake with trees  Description automatically generated with low confidenceDr. Shuyen Ho (何樹焱)**   Lead Research Biostatistician, Statistical Sciences and Innovation, UCB BioSciences |
| **Former Position**  Head of Clinical Sciences and Operation Platform in AP, Sanofi  **Fields of Major Statistical Activities**  Adaptive Design, Multi Reginal Clinical Trial, Multiplicity Adjustment, Bayesian Model  **Selected publication**  Hui Quan, Tong Kang, Chunpeng Fan, Xin Lu, Xun Chen, Xiaodong Luo and Lynn Wei. Trial monitoring via a futility criterion for interim results on a count data endpoint and a continuous endpoint. Contemporary Clinical Trials. Appeared online 2021  Hui Quan, Xun Chen, Yu Lan, Xiaodong Luo, Rene Kubiak, Gautier Paux and Nicolas Bonnet. Applications of Bayesian analysis to proof-of-concept trial planning and decision-making Pharmaceutical Statistics 2020 19: 468–481.  Hui Quan, Bingzhi Zhang, Yu Lan, Xiaodong Luo, Xun Chen. Bayesian hypothesis testing with frequentist characteristics. Contemporary Clinical Trials 2019, 87: Article 105858  Quan H, Xu Y, Chen Y, Gao L and Xun Chen, Case Study of an Adaptive Design for a Clinical Trial with Two Doses and Two Endpoints in a Rare Disease Area, Pharmaceutical Statistics 2018; 17: 797-810.  Xiaodong Luo, Xuezhou Mao, Xun Chen and Hui Quan. Design and monitoring of survival trials in complex scenarios. Statistics in Medicine, 2018.  Hui Quan, Xun Chen, Peng-liang Zhao, Ji Zhang, “New Paradigm for Drug Developments --- from Emerging Market Statistical Perspective Contemporary Clinical Trials”, Contemporary Clinical Trials, 2013, Vol 36, Issue 2: 697-703.  Xun Chen, Zhaoling Meng, Ji Zhang, “Handling of Baselines in Crossover Trials”, Statistics in Medicine, 2012, Vol 31, Issue 17: 1791-1803.  Alex Dmitrienko, Ajit C. Tamhane, Xin Wang, and Xun Chen, “Stepwise Gatekeeping Procedures in Clinical Trial Applications”, Biometrical Journal, 2006, Vol 48, 984-991.  Xun Chen, “The adjustment of random baseline measurements in treatment effect estimation”, Journal of Statistical Planning and Inference, 2006, Vol 136, 4161-4175.  Matilde Sanchez, Xun Chen, “Choosing the analysis population in Non-Inferiority Studies: Per Protocol or Intent-to-Treat”, Statistics in Medicine, 2006, Vol 25, 1169-1181.  Xun Chen, Tom Capizzi, Bruce Binkowitz, Hui Quan, Lynn Wei, Ed. Luo, “Decision rule based multiplicity adjustment strategy”, Clinical Trials, 2005, Vol 2, 394-399.  Xun Chen, Minzhi Liu, and Ji Zhang, “A note on post-radomization covariates adjustment”, Drug Information Journal, 2005, Vol 39, 373-383.  Xun Chen, Xiaohui Luo, Tom Capizzi, “The application of enhanced parallel gatekeeping strategies”, Statistics in Medicine, 2005, Vol. 24, Issue 9, 1385-1397.  Xun Chen, Xiaohui Luo, “Some modifications on the application of the exact Wilcoxon-Mann-Whitney test”, Communications in Statistics-Simulation and Computation, 2004, Vol. 33, 1007-1020.  Xun Chen, Lynn Wei, “A comparison of ANOVA method and mixed model approach in the analysis of early phase crossover studies”, Statistics in Medicine, 2003, Vol. 22, 2821-2833.  Xun Chen, Peng-liang Zhao, Ji Zhang, “A note ANOVA assumptions and robust analysis for a crossover study”, Statistics in Medicine, 2002, Vol. 21, No. 10; 1377-1386.  Xun Chen, “Confidence intervals for the difference of two independent binomial proportions in small sample cases”, Statistics in Medicine, 2002, Vol. 21, No. 6; 943-956.  **ICSA Activities**  ICSA member and actively support ICSA annual symposium fund raising  **Professional Committees**  ASA member; ICSA member; Member of Biopharmaceutical Statistics Leadership Consortium | **Former Position**  Sr. Director & Director, GlaxoSmithKline (GSK 2001-2015, PAREXEL GSK-facing 2015-2017); Section Head, GlaxoWellcome (1997-2001); Group Leader, Sr. Research & Research Statistician, Merck (1990-1997).  **Fields of Major Statistical Activities**  Clinical Trials, Bayesian Statistics, Safety Signal Detection, Multiplicity, Statistics Consulting.  **Selected publication**  “Design and Analysis of Subgroups with Biopharmaceutical Applications” (2020), ICSA Book Series in Statistics, Springer; co-edited with Ting, N., Cappelleri, J., and Chen, D.  “Data-driven prior distributions for a Bayesian phase-2 COPD dose-finding clinical trial” (2018), Statistics in Biopharmaceutical Research, 10:3, 166-175, co-authored with Novick, S., and Best, N.  “Phase II Clinical Development of New Drugs” (2017), ICSA Book Series in Statistics, Springer; co-authored with Ting, N., Chen, D., and Cappelleri, J.  “Clinical Trial Design: Assurance” (2017), Encyclopedia of Biopharmaceutical Statistics, 3rd Edition, Taylor & Francis.  “From Statistical Power to Statistical Assurance: It’s Time for the Paradigm Change in Clinical Trial Design” (2016), Communications in Statistics-Simulation and Computation. 2017 Vol 0, No 0, 1-15; co-authored with Chen, D.  “Informative Priors or Non-Informative Priors? A Bayesian re-analysis of binary data from Macugen phase III clinical trials” (2016), Communications in Statistics-Simulation and Computation. 2017 Vol 0, No 0, 1-12; co-authored with Ting, N., and Chen, D.  "Properties of Multiple Intersection-Union Tests for Multiple Endpoints in Combination Therapy Trials" (2001), Journal of Biopharmaceutical Statistics, 11, 125-138; co-authored with Westfall, P. H., and Prillaman, B.A.  **ICSA Activities**  Executive Director, Board Member, Program Committee Chair, Applied Symposium Organizing Committee Chair, Award Committee Member, Membership Committee Member, Life member, Outstanding Service Award & President’s Citation.  **Professional Committees**  Co-founder of GSK-Duke Statistical Workshop, Duke University Biostatistics Professional Advisory Council Member, GSK Biostatistics Conference Co-organizer, FDA/Pharma Workshop Committee Member, ASA Pilot Colleague to Colleague Program. |
| **Honors and Awards**  • CEIBS Business Leadership Program Honor Graduate, 2012  • Van Ryzin Award for Outstanding Dissertation, Columbia University, 2000.  **Statements**  Graduated from Columbia University with PhD in biostatistics, Xun has always been passionate about promoting statistical leadership in drug development to efficiently bring more meaningful treatments to patients . The opportunity to serve ICSA would allow Xun to share her organizational leadership and seasoned statistical research experience with the statistical society united under ICSA, to continually improve the eco environment of talent development, expertise exchange, and to promote clinical trial innovation in and through this society. | **Honors and Awards**  ICSA President’s Citation & Outstanding Service Award  **Statements**  Statistics has evolved to be almost boundless, wherever there are data, there are statistics. As data are increasingly available in all aspects of modern life, and as organizations and society recognize the importance of data-driven approaches, we are experiencing a golden era for statistics. In this climate, strengthening and expanding our professional networks is paramount to mutually learn from each other and push the field of statistics forward. More than ever, ICSA plays an important role in bringing our community of researchers together across industry, government, and academia.  The COVID pandemic has changed the world and our organization, there have been setbacks as well as opportunities. This pandemic has upended our ability to meet our colleagues in person, a critical means for interacting and exchanging knowledge. However, this pandemic has also given us opportunities to innovate on methods for communicating and connecting, for teaching and conducting research. Remote seminars and conferences have the advantage of borderless coverage. Moving forward, I believe a hybrid approach will be appropriate to balance, among other aspects, effectiveness, flexibility, and safety. Certainly, the hybrid approach will require thorough thinking and discussion.  Over the past three and half decades, with many capable leaders and dedicated members, ICSA has achieved excellence and growth: a growing member-base, healthy financial status and steady income generation, decent infrastructure, popular conferences/symposia/short-courses, and prestigious scientific journals, as well as collaboration within ICSA and with other organizations and disciplines. Building on these successes, if elected and as President of ICSA I will focus on a few key directions:  • After more than two years of a global pandemic, it is paramount we enhance local connections and interactions among ICSA members, particularly while global opportunities are still constrained. Currently ICSA has Biometrics Section, Canada and Midwest Chapters. ICSA shall support the establishment of new local Chapters to cover more areas in the United States and Asia where most of our members reside, as well as specific area Sections such as Bayesian and Statistical Programming. This effort shall include funding to help smaller regional and more online events to increase interaction among members.  • The current Constitution and By-laws were revised about a decade ago while I was the Executive Director, it’s time for a review and potential revision, particularly given the impact of the pandemic. For example, the hybrid approach and the Chapter/Section establishment (mentioned above) can be added or revised. A Constitution Committee shall be appointed by the President and start the reviewing process.  • Establish an ICSA Fellows program. Given our many distinguished members and their achievements, I believe it is beneficial to establish our own brand to recognize the achievements of our outstanding members.  • Enhance member service quality by improving infrastructure and office capacity. One potential is to hire professional staff to streamline and formalize operations, update procedures and guidance for sustainability and consistency, as well as to maintain organizational knowledge and history. This plan needs our Financial Committee and Financial Advisory Committee to assess feasibility and a long-term funding strategy.  Of course, this is an ambitious agenda for a one-year presidential term, so it is crucial to have collaborations with ICSA Executives, Board, and various Committees, so that broader ICSA objectives can be continued in the long run.  I have enjoyed being a part of the distinguished community that ICSA fosters, and I am more ready than ever to keep serving ICSA for its sustainable and flourishing future. |

# **Candidates for ICSA 2023 Board of Directors**

|  |  |  |  |
| --- | --- | --- | --- |
| [Dr. Xinping Cui](#_Dr._Xinping_Cui) | [Dr. Yuehua Cui](#_Dr._Yuehua_Cui) | | [Dr. Bo Fu](#_Dr.__Bo) |
| A person with long hair  Description automatically generated with low confidenceProf. of Statistics Dept. at UC Riverside; President, ASA Orange County Long Beach Chapter | A person smiling for the camera  Description automatically generated with low confidenceProf. and Graduate Director, Dept. of Statistics and Probability, Michigan State Univ. | | A child smiling for the camera  Description automatically generated with low confidenceStatistical Therapeutic Head of New Target Vaccines at Sanofi Pasteur |
|  | | | |
| [Dr. Wenqing He](#_Dr._Wenqing_He_1) | [Dr. Guanyu Hu](#_Dr._Guanyu_Hu) | | [Dr. Xiaoyun Li](#_Dr._Xiaoyun_Li) |
| Prof. at the Dept. of Statistical and Actuarial Sciences and the Dept. of Oncology, Univ. of Western Ontario, Canada A person wearing glasses  Description automatically generated with medium confidence | A picture containing person, person, wall, indoor  Description automatically generatedAssistant Prof. in Statistics at Univ. of Missouri - Columbia | | A picture containing person, wall, clothing, smiling  Description automatically generated Senior Director at BeiGene |
|  |  | |  |
| [Dr. Huazhen Lin](#_Dr._Huazhen_Lin) | [Dr. Wanli Qiao](#_Dr._Wanli_Qiao) | | [Dr. Ming Tan](#_Dr._Ming_Tan) |
| A picture containing person, smiling  Description automatically generatedDirector and Prof., Center of Statistical Research, School of Statistics, Southwestern Univ. of Finance and Economics, Chengdu, Sichuan, Chia | A person wearing glasses  Description automatically generated with low confidence Assistant Prof., George Mason Univ. | A person wearing glasses and a suit  Description automatically generated with medium confidence Prof. and Chair of the Dept. of Biostatistics, Bioinformatics and Biomathematics, Georgetown Univ. Medical Center | |
|  |  | |  |
| [Dr. Li Wang](#_Dr._Li_Wang) | [Dr. Ming Wang](#_Dr._Ming_Wang) | | [Dr. Yanping Wang](#_Dr._Yanping_Wang) |
| A person wearing glasses  Description automatically generated with low confidenceSenior Director, Head of Statistical Innovation, AbbVie | A person wearing glasses  Description automatically generated with medium confidence Associate Prof. at Penn State Univ. | | A person wearing glasses and a blue shirt  Description automatically generated with low confidenceAssociate Vice President, Global Regulatory Affairs, Eli Lilly and Co. |
|  |  | |  |
| [Dr. Wei Wu](#_Dr._Wei_Wu) | [Dr. Bin Zhang](#_Dr._Bin_Zhang_1) | | [Dr. Min Zhang](#_Dr._Min_Zhang) |
| A person wearing glasses  Description automatically generated with medium confidence Prof., Dept. of Statistics, Florida State Univ. | A picture containing person, wall  Description automatically generatedProf., Division of Biostatistics and Epidemiology, Cincinnati Children’s Hospital Medical Center | | A person smiling for the camera  Description automatically generated with low confidence Prof., Dept. of Biostatistics, Univ. of Michigan, Ann Arbor |

## **Dr. Xinping Cui**

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**Present Position**

Professor of Statistics Department at UC Riverside

President, ASA Orange County Long Beach Chapter

**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. Cui X\*, Wilson J 2008. On the probability of correct selection for large k populations with application to Microarray data, Biometrical Journal, 50(5), 870-883

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

4. 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

5. Zhao H, Peddada S, Cui X 2015 Mixed directional false discovery rate control in multiple pairwise comparisons using weighted p-values. Biometrical Journal. 57(1) 144-158.

6. Cacho A, Smirnova E, Huzurbazar S, Cui X 2015. A comparison of base-calling algorithms for Illumina sequencing technology. Briefings in Bioinformatics, doi: 10.1093/bib/bbv088

7. 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

8. Wang B and Cui X\* 2012. A new partition testing strategy for multiple endpoints. Statistics in Medicine. 31(20), 2151-2168

9. Luo N, Yan A, Liu G, Guo J, Rong D, Kanaoka MM, Xiao Z, Xu G, Higashiyama T., Cui X, Yang Z 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. Zhao H, Cui X. 2020. Constructing confidence intervals for selected parameters. Biometrics. 76(4) 1098-110, doi:10.1111/biom.13222

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**

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. Yuehua Cui**

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**Present Position**

Professor and Graduate Director, Department of Statistics and Probability, Michigan State University

**Former Position**

Asst and Asso Professor, Department of Statistics and Probability, MSU

**Degree**

PhD in Statistics (2005), University of Florida

**Fields of Major Statistical Activities**

Statistical genetics/genomics; Applied functional/longitudinal data analysis; Semiparametric statistics

**Selected publication**

• He, T., PS. Zhong, Y. Cui, V. Mandrekar. (2022) Unified Tests for Nonparametric Functions in RKHS with Kernel Selection and Regularization. Statistica Sinica (to appear)

• Qu, J., and Y. Cui. (2022) Gene set analysis with graph-embedded kernel association test. Bioinformatics 38 (6): 1560-1567.

• Shen, X., Y. Wen, Y. Cui, Q. Lu. (2022) A conditional autoregressive model for genetic association analysis accounting for genetic heterogeneity. Statistics in Medicine 41(3): 517-542.

• Liu, X., P-S. Zhong and Y. Cui. (2020) Joint test of parametric and nonparametric effects in partial linear models for gene-environment interaction. Statistica Sinica, 30: 325-346.

• Gao, B., X. Liu, H. Li and Y. Cui. (2019) Integrative analysis of genetical genomics data incorporating network structures. Biometrics, 75: 1063-1075.

• Wang, H., P-S. Zhong, Y. Cui and Y. Li. (2018) Unified empirical likelihood ratio tests for functional concurrent linear models and the phase transition from sparse to dense functional data. Journal of the Royal Statistical Society B, 80: 343-364.

• Wang, H., PS. Zhong, Y. Cui. (2018) Empirical Likelihood Ratio Tests for Coefficients in High Dimensional Heteroscedastic Linear Models. Statistica Sinica 28: 2409-2433.

• Liu, X., Y. Cui and R. Li. (2016) Partial linear varying multi-index coefficient model for integrative gene-environment interactions. Statistica Sinica, 26: 1037-1060.

• Gao, B. and Y. Cui. (2015) Learning directed acyclic graphical structures with genetical genomics data. Bioinformatics, 31: 3953-60.

• Li, S., and Y. Cui. (2012) Gene-centric gene-gene interaction: a model-based kernel machine method. The Annals of Applied Statistics, 6: 1134-1161.

**ICSA Activities**

• Program committee of ICSA 2017 Applied Statistics Symposium

• Lifetime member of ICSA

• Organizer/chair and invited speaker of various invited sessions in ICSA conferences

• Review for Statistica Sinica

**Professional Committees**

• Member Engagement Committee, ASA Section on Statistics in Genomics and Genetics (2020-pres)

• Member of ASA Archives and Historical Materials Committee (2021-2023)

• Invited session organizer for JSM, IBS and other international conferences.

• President (2020-2021) and Member of Executive Committee (2018-pres), Chinese Faculty Club at MSU

**Honors and Awards**

• Elected member, International Statistics Institute (2011)

• Junior Faculty Meritorious Research Award, Sigma Xi Scientific Research Society MSU chapter (2008)

• William L. Harkness Instructional Innovation Award, MSU (2007)

**Statements**

It’s my great honor to be nominated to serve on the ICSA Board of Directors. Currently, we are experiencing the ever-increasing demand in statistics, while also facing various challenges. Our representation in leaderships and committees in the statistics community is disproportional to the number of our professionals. We need to get our voices and concerns heard at different levels, and fight for our right as Chinese American statisticians. As the former President of the Chinese Faculty Club at MSU, I coordinated the ethnic profiling survey at MSU together with other four US institutions. The data provided meaningful evidence to change the view of university leadership towards Chinese faculty. If elected, I will work closely with the ICSA leadership team and members, to continuously promote our core values and expand our impacts in statistics, and to raise our voices and promote our visibility in the broader community.

## **Dr. Bo Fu**

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**Present Position**

Statistical Therapeutic Head of New Target Vaccines at Sanofi Pasteur (2020 – Present)

**Former position**

From Senior Research Scientist to Sr. Manager in Merck, Abbvie, and Astellas.

**Degree**

Ph.D in Biostatistics, University of Pittsburgh

**Fields of Major Statistical Activities**

Clinical trial design for drug and vaccine development in multiple therapeutical areas including vaccine, oncology, anti-viral and immunology, and neuro science. Recently Dr. Fu works on innovative strategies for the development of vaccines against COVID-19 under current pandemic situation.

**Selected publication**

Dr. Fu has published three book chapters in the field of benefit-risk assessment and selection bias in clinical trials; and 24 peer-reviewed research papers in the field of novel statistical methodology and considerations in clinical trial designs and development of medical products.

**ICSA Activities**

Dr. Fu has been serving as the Chair of ICSA Membership Committee from 2017 to 2021, and serving in the nomination committee in 2022. He makes significant contributions to ICSA and works closely with the Executive Director of ICSA, IT committee, finance committee, nominating and election committee, publication committee, and local chapters etc by providing key functions and supports. He dedicates on serving membership related requests from all ICSA members on daily basis and from other ICSA functions on needs. He helps on updating ICSA membership database for every symposium/conference/local chapter meetings. He also contributes on retaining current members and expending the influence of ICSA to have new members. In the recent ICSA system updating, to ensure the quality of new ICSA system, he directly worked with the system developer on updating functions to fit the needs of ICSA.

**Professional Committees**

ICSA Membership Committee Chair (2017 – 2021)

ASA BioPharma Section Statistics Workshop Steering Committee Operational Committee Chair (2020, 2021)

Steering Committee of The Association of Chinese American Scientists and Engineers (2019 - Present)

**Honors and Awards**

Award of Delta Omega National Honor Society in Public Health, 2014

Special Achievement Award at Merck & Co. Inc 2014

President Award at AbbVie. Inc 2017

Play to Win Award at Sanofi 2020

**Statements**

I am honored and grateful to be nominated as a candidate of the Board of Directors of the ICSA. When the first time knowing ICSA a decade ago, I was proud of this well organized and operated professional Chinese association. With knowing more about ICSA before chairing the membership committee, I was getting impressed by the spirit of ICSA on promoting biostatistics profession in diversity of professional communities. With over three-year dedication on chairing membership committee, I have more understanding on the values and mission of this association, moreover, thoughts and plans for its future development. Aspects I can contribute on serving as a position of Board of Directors including but not limited to:

1. Keep promoting national and global influence of ICSA.

ICSA has made great effort on interaction with diversity professional communities including academic, industry, governments, and research institutes. It is a feature that we will continue focusing on to enhance ICSA’s influence. I have experiences and plans can work with others on engaging more professional communities to enhancing the impact of ICSA in the current competing professional environment.

2. Promote advanced and innovative statistical strategy on the development of medical products.

Nowadays innovative pathways for medical product development are more and more accepted by health authorities. Statistical considerations play a critical role in the development strategy of medical products and increasingly emphasized in newly developed relevant guidance. Practical challenges emerge concurrently in hot areas such as developing vaccine under pandemic situation, immuno-oncology, rare disease and gene therapies. It is obligatory for statisticians to benefit global public health with expediating effective and safe medical products to the society.

3. Help on the development of young statisticians.

Guidance on career development can help young statisticians to clear and solid their professional path. ICSA has excellent services and mentoring system of career development for young generation statisticians. One perspective is to better make the guidance or services more reachable or enhance connections between services and young statisticians. It is a win-win trail for long-term development of ICSA.

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. Wenqing He**

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**Present Position**

Professor at the Department of Statistical and Actuarial Sciences and the Department of Oncology, University of Western Ontario, Canada

**Former Position**

Graduate Chair and Professor at the Department of Statistical and Actuarial Sciences, University of Western Ontario, Canada

**Degree**

PhD in Statistics, University of Waterloo, Canada

**Fields of Major Statistical Activities**

Statistical methods for complex structured data such survival data, longitudinal data and measurement error, and high dimensional data, with applications to medical and health fields.

**Selected publication**

G. Y. Yi, W. He, and Raymond J. Carroll (2022). Feature screening with large scale and high dimensional censored data. Biometrics.

B. Zhao,X. Liu, W. He and G. Y. Yi (2021). Dynamic tilted current correlation for high-dimensional variable screening. Journal of Multivariate Analysis. 182, 104693.

W. He and G. Y. Yi (2020). Parametric and semiparametric estimation methods for survival data under a flexible class of models. Lifetime Data Analysis. 26, 369 - 388.

G. Y. Yi, W. He, and F. He (2019). Analysis of panel data with misclassified covariates. Statistics and its inference, 12, 309-320.

G. Y. Yi, W. He, and H. Li (2017). A class of flexible models for analysis of complex structured correlated data with application to clustered longitudinal data. STAT, 6, 448-461

Z. Jin and W. He (2016). Local linear regression on clustered censored data. Journal of Multivariate Analysis, 147, 285-294.

W. He (2014). Analysis of multivariate survival data with Clayton regression models under conditional and marginal formulations. Computational Statistics & Data Analysis, 74, 52-63.

A. Yuan, W. He, B. Wang, and G. Qin (2012). U-statistic with side information. Journal of Multivariate Analysis, 111, 20-38.

W. He and G. Y. Yi (2011). A pairwise likelihood method for correlated binary data with/without missing observations under generalized partially linear single-index models. Statistica Sinica, 21, 207-229.

G. Y. Yi, W. He, and H. Liang (2011). Semiparametric marginal and association regression methods for clustered binary data. The Annals of the Institute of MathematicalStatistics, 63, 511-533.

G. Y. Yi, W. He, and H. Liang (2009). Analysis of clustered binary data under partially

linear logistic models. Journal of Multivariate Analysis, 100, 278-290.

G. Y. Yi and W. He (2009). Median regression models for longitudinal data with missing observations. Biometrics, 65, 618-625.

W. He and S. B. Bull (2008). Discussion on \Quality assessment for short oligonucleotide microarray data". Technometrics, 50, 271-273.

W. He and J. F. Lawless (2005). Bivariate location-scale models for regression analysis, with applications to lifetime data. The Journal of the Royal Statistical Society, Series B (Methodology), 67, 63-78.

W. He (2004). A spline function approach for detecting differentially expressed genes in microarray data analysis. Bioinformatics, 20, 2954-2963.

W. He and J. F. Lawless (2003). Flexible maximum likelihood methods for bivariate proportional hazards models. Biometrics, 59, 837-848.

**ICSA Activities**

Dr. He is a lifetime member of both ICSA and ICSA Canada Chapter. He has been serving as the Chair of the Student Paper Competition Committee for the 2014 ICSA/KISS Applied Statistics Symposium, the Program Chair for the 2019 ICSA Canada Chapter Symposium, and the Program Committee Member in 2011 ICSA Applied Statistics Symposium. He is Chair of the ICSA Nomination for Election Committee in 2022. He has been actively involved in the ICSA activities such as organizing invited sessions for ICSA Applies Statistics Symposiums, ICSA International Conferences and ICSA China Conferences.

**Professional Committees**

ICSA Nomination for Election Committee Chair (2022)

JSM Policy Committee (JSM Committee on Meetings) (2019-2021)

JSM Program Committee (2017-2018)

ICSA Canada Chapter Symposium Program Chair (2018-2019)

ICSA Canada Chapter Executive Committee (2016-2018)

ICSA Student Paper Committee Chair for the 2014 ICSA/KISS Applied Symposium (2013-2014)

SSC Pierre Robillard Committee Member (2012-2015)

SSC Pierre Robillard Committee Chair (2013-2014)

ICSA Applied Symposium Program Committee (2011)

**Honors and Awards**

Distinguished Research Professor, Faculty of Science, University of Western Ontario (2022)

University Students' Council Teaching Honour Roll, University of Western Ontario (2015)

Elected Member, International Statistical Institute (ISI) (2013)

**Statements**

I am deeply honored to be nominated as a candidate of the Board of Directors of the ICSA. I am a lifetime member for ICSA and have been involved in ICSA activities for more than two decades. Since the creation of ICSA’s first Chapter, the Canada Chapter for ICSA, I served as Executive Members and Program Member or Chair for the Canada Chapter Symposium that takes biannually. I was also served the ICSA on its committee, such as chairing the Student Paper Competition Committee for the ICSA Applied Symposium, chairing the ICSA Nomination for Election Committee. I would like to make use of my unique connection between ICSA and Canadian statistician and data scientists to further promote ICSA growth and visibility in Canada and worldwide.

## **Dr. Guanyu Hu**

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**Present Position**

Assistant Professor in Statistics at University of Missouri - Columbia

**Former Position**

Postdoctoral Research in Department of Statistics at University of Connecticut

**Degree**

Ph.D. in Statistics, Florida State University, 2017

**Fields of Major Statistical Activities**

• Statistical Theory & Methodologies: Spatial Statistics, Spatial Point Process, Bayesian Computation, Bayesian Nonparametric, Big Data Inference, and Survival Analysis.

• Statistical Applications: Clinical Trials, Sports Analytics, Spatial Econometrics, Environmental Statistics, and Educational and Psychological Measurement.

Selected.publication Pan, T., Shen, W., Hu, G.. (To Appear) Identifying latent groups in spatial panel data using a Markov random field constrained product partition model Statistica Sinica

Geng, L., Hu, G.. (To Appear) Bayesian Spatial Homogeneity Pursuit for Survival Data with Application to the SEER Respiration Cancer Data Biometrics

Hu, G., Yang, H-C., Xue, Y., Dey, D.K.. (To Appear) Zero Inflated Poisson Model with Clustered Regression Coefficients: an Application to Heterogeneity Learning of Field Goal Attempts of Professional Basketball Players Canadian Journal of Statistics

Jiao, J., Hu, G., Yan, J.. (2021) A Bayesian Joint Model of Marked Spatial Point Process with Applications to Basketball Shot Chart. Journal of Quantitative Analysis in Sports

Hu, G., Yang, H-C., Xue, Y.. (2020) Bayesian Group Learning for Shot Selection of Professional Basketball Players. Stat

Ma, Z., Xue, Y., Hu, G.. (2020) Heterogeneous Regression Models for Clusters of Spatial Dependent Data. Spatial Economics Analysis, 15-4, 459-475.

Hu, G., Huffer, F. (2020). Modified Kaplan–Meier Estimator and Nelson–Aalen Estimator with Geographical Weighting for Survival Data. Geographical Analysis, 52-1, 28-48.

**ICSA Activities**

Session Organizers for ICSA China Conference 2019, 2022, ICSA Applied Symposium 2021, 2022, ICSA International Conference 2019, 2022. Guest Editor for ICSA co-Sponsered Journal Statistics and its Interface.

**Professional Committees**

Student Paper Award Committee of SBSS 2022

USCAS 2021 Poster Review Committee

Session Chairs for ICSA, JSM, ISBA

Student Paper Award Committee of NESS 2018, 2019

Volunteer Committee of Stat4Onc 2019

Organize Committee of UConn Statistics Biopharmaceutical Summer Academy

Honors.and.Awards 2021 IMS New Researcher Travel Award

2019 ICSA China Conference Junior Researcher Award

2019 Travel Support for ICOSDA

2019 Travel Support for NBER-NSF SBIES Conference

2018 JSM ENVR Distinguished Student Paper Award

2016 Outstanding Graduate Student Paper Award of IBS-China

**Statements**

I am honored to be nominated as a candidate for ICSA Board of Director. If elected, I will work to promote the ICSA’s growth and visibility, and attract more members from junior researchers, scholars and practitioners from non-statistical fields. In particular, I will actively connect ICSA with several sports analytics activies and industries such as New England Symposium on Statistics in Sports, MIT Sloan Sports Analytics Conference, Cascadia Symposium on Statistics in Sports, and ESPN. In recent years, the area of sports analytics is extremely active due to the large demands for data mining and machine learning tools for complex data from both traditional sports and esports. Many individual members of ASA involve lots of activites in sports analytics, however, there still lacks strong connection between ICSA and sports analytics areas. I will work vigorously to promote interactions and collaborations among researchers and practitioners from sports analytics area who are interested in promoting ICSA, and broaden connections between ICSA and sports people through sponsoring joint conferences and workshops. In addition, I will try me best to promote diversity, equity, and inclusion, which is essential to building the vibrant multicultural educational and research environments that form the backbone of ICSA. I would like to demonstrate how ensuring justice, equity, diversity, and inclusion creates vibrant educational and research environments to help underrepresented

minority groups in our society.

## **Dr. Xiaoyun Li**

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**Present Position**

Senior Director at BeiGene

**Former Position**

Senior Principal Scientist at Merck

**Degree**

PhD

**Fields of Major Statistical Activities**

Biostatistics

**Selected publication**

Li, X., Bandyopadhyay. D, Lipsitz. S and Sinha D., “Likelihood methods for binary responses of present components in a cluster”, Biometrics.; 67; 629-635, 2011.

Li X, Chen C, Fan XF. Handling Missing Data in Oncology Clinical Trials. Oncology Clinical Trials: Successful Design, Conduct, and Analysis. 2018 Mar 28:375.

Li X, Chen C, Li W. Adaptive biomarker population selection in phase III confirmatory trials with time-to-event endpoints. Statistics in Biosciences. 2016: 1-8.

Wang X, Suttner L, Jemielita T, Li X. Propensity score-integrated Bayesian prior approaches for augmented control designs: a simulation study. Journal of Biopharmaceutical Statistics. 2021 Dec 23:1-21.

Ren Y, Li X, Chen C. Statistical considerations of phase 3 umbrella trials allowing adding one treatment arm mid-trial. Contemporary Clinical Trials. 2021 Oct 1;109:106538.

Lu CC, Li X, et al. Practical Considerations and Recommendations for Master Protocol Framework: Basket, Umbrella and Platform Trials. Therapeutic Innovation & Regulatory Science. 2021 Jun 23:1-0.

Jemielita T, Li X, Burke T, Liaw KL, Zhou W, Chen C. Augmenting Real-World Data Through Modeling Key Clinical Trial Eligibility Criteria: An Example of Patients With Non–small-Cell Lung Cancer Treated With Pembrolizumab. JCO Clinical Cancer Informatics. 2021 Aug;5:849-58.

Sun LZ, Li X, et al. Independent action models and prediction of combination treatment effects for response rate, duration of response and tumor size change in oncology drug development. Contemporary Clinical Trials. 2021 Jul 1;106:106434.

Jemielita T, Li X, et al. Overall Survival With Second-Line Pembrolizumab in Patients With Non–Small-Cell Lung Cancer: Randomized Phase III Clinical Trial Versus Propensity-Adjusted Real-World Data. JCO clinical cancer informatics. 2021 Jan;5:56-65.

Sridhara R, Li X, et al. Type I error considerations in master protocols with common control in oncology trials: report of an American statistical association biopharmaceutical section open forum discussion. Statistics in Biopharmaceutical Research. 2021 Apr 27:1-4.

Li W, Zhao J, Li X, Chen C, Beckman RA. Multi‐stage enrichment and basket trial designs with population selection. Statistics in Medicine. 2019 Dec 20;38(29):5470-85.

Wang M, Chen C, Jemielita T, Anderson J, Li X, Hu C, Kang SP, Ibrahim N, Ebbinghaus S. Are tumor size changes predictive of survival for checkpoint blockade based immunotherapy in metastatic melanoma?. Journal for immunotherapy of cancer. 2019 Dec;7(1):1-0.

Liu F, Li X, Li W, Chen C. Impact of Clinical Center Variation on Efficiency of Exploratory Umbrella Design. Statistics in Biosciences. 2019 Nov 5:1-20.

**ICSA Activities**

Presented at ICSA symposium and organized session in previous years

**Professional Committees**

President at ASA San Diego Chapter (part of the San Diego Chapter Executive Committee); Co-lead at ASA BIOP Oncology Methods Scientific Working Group Master Protocol Subteam;

**Honors. And Awards**

Outstanding ASA Chapter Service Award for ASA San Diego Chapter (2020);

**Statements**

I would like to apply for the position of Board Member with the ICSA. I am very much aligned with the goals and focus of ICSA and I would like to use the skills gained in my time as a volunteer role of president at the ASA San Diego Chapter to ICSA to reach its objectives. I have been active volunteering in the ASA community as president of the local San Diego Chapter. In the past few years, I mentored many junior officers and promoted and expanded the local chapter. I hope to be more involved in the ICSA community and help the ICSA community grow.

## **Dr. Huazhen Lin**

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**Present Position**

Director and Professor，Center of Statistical Research, School of Statistics, Southwestern University of Finance and Economics, Chengdu, Sichuan, China.

**Former Position**

2006.01-2009.12: Professor, College of Mathematics, Sichuan University

2008.11-2009.06: Visiting Scholar, University of California, Los Angeles, USA

2000.07-2003.11: Associate Professor, College of Mathematics, Sichuan University

1999.05-2000.07: Instructor, College of Mathematics, Sichuan University

1992.07-1999.05: Instructor, Department of applied Mathematics, Chengdu University of Electronic Science and Technology

**Degree**

Postdoctoral Fellow, 2003.11-2005.12, Department of Biostatistics, University of Washington

Ph.D., 1996.9-1999.12, School of Public Health, West China University of Medical Sciences

M.Sc., 1989.9-1992.7, College of Mathematics, Sichuan University

B.Sc., 1985.9-1989.7, College of Mathematics, Sichuan University

**Fields of Major Statistical Activities**

1. The 2009 International Symposium on Financial Statistics and Financial Econometrics, One of the main organizers

2. Summer Training Program for University Teachers in Western China, responsible for the statistical direction (July 12-15, 2010)

3. Yangtze River Mathematics International Forum and Academic Conference, Sichuan University, Probability and Statistics Session Organizer (August 8-12, 2010)

4. Manchester-Chengdu Workshop, Co-organizer with Professor Jianxin Pan from University of Manchester (January 12-13, 2012)

5. Workshop on Statistical Theory and Applications, Organizer, Chengdu (April 12-13, 2012)

6. The Inaugural Conference on the Establishment of the Center of Statistical Research and Development Planning Workshop, Southwestern University of Finance and Economics, Organizer (October 20, 2013)

7. IMS-SWUFE Probability and Statistics, Member of Program Committee and Chair of Local Organizing Committee (June 30-July 4, 2013)

8. The 2nd International Nonparametric Statistics Forum, Organizer (June 24-26, 2014)

9. The 2014 ICSA China Statistics Conference, Member of Program Committee

10. The 10th Probability and Statistics Annual Meeting, Member of Presidium (October 17-20, 2014)

11. The ICSA-CHINA Academic Research Committee, Member of the Academic Research Committee (July 5-7, 2015)

12. 2016 ICSA International Conference, Member of the Program Committee, Qingdao (2016)

13. The 3rd Nonparametric Statistics Forum, Organizer (May 27-28, 2016)

14. 2017 IMS-China International Conference on Statistics and Probability, Member of the Scientific Committee (2017)

15. Center of Statistical Research Workshop, Southwestern University of Finance and Economics, Organizer (April 20, 2018)

16. The 7th National Statistical Textbook Editing and Reviewing Committee, Member (2018-present)

17. Workshop in Semiparametric/Nonsemiparametrically Statistical Learning, Chair (June 6, 2018)

18. The 11th National Representative Conference on Probability and Statistics, Chair of Program Committee (October 25-28, 2018)

19. 2019 IMS-China International Conference on Statistics and Probability, Member of Academic Research Committee (2019)

20. 2019 ICSA International Conference, Member of Scientific Program Committee (2019)

21. Program Committee Member for FLINS/ISKE 2020 International Conference (2020)

22. Committee Member for ICSA 2020 International Conference (2020)

23. Committee Member for IMS-APRM 2021 International Conference (2020)

24. 2022 ICSA Special Lecture Committee

25. 2022 Program Committee for 12th ICSA International Conference

**Selected publication**

1. Huazhen Lin, Shuangxue Zhao, Li Liu\*, Wenyang Zhang. Structured Ultrahigh Dimensional Multiple-Index Models with Efficient Estimation in Computation and Theory. Statistica Sinica. Accepted.

2. Huazhen Lin\*, Jiaxin Liu, Haoqi Li, Lixian Pan and Yi Li. Eﬃcient Estimation and Computation in Generalized Varying Coeﬃcient Models with Unknown Link and Variance Functions for Large-Scale Data. Statistica Sinica. Accepted.

3. Wei Liu, Huazhen Lin\*, Shurong Zheng\* and Jin Liu. Generalized factor model for ultra-high dimensional correlated variables with mixed types. Journal of the American Statistical Association. Online.

4. Qinzhi Zhong, Huazhen Lin\* and Yi Li (2021). Cluster Non-Gaussian Functional Data. Biometrics. 77, 852-865.

5. Huazhen Lin\*, Wei Liu and Wei Lan (2021). Regression analysis with individual-specific patterns of missing covariates. Journal of Business & Economic Statistics. 39, 179-188.

6. Huazhen Lin, Jiakun Jiang, Binhuan Wang\* and Paul S. F. Yip (2021). A threshold varying-coefficient autoregressive model for analyzing the influence of media reports of suicide on the actual suicides. Statistica Sinica. 31, 361-390.

7. Ling Zhou, Huazhen Lin\*, Kani Chen and Hua Liang（2019）. Efficient estimation and computation of parameters and nonparametric functions in generalized semi/non-parametric regression models. Journal of Econometrics. 213，593-607.

8. Ling Zhou, Huazhen Lin\* and Hua Liang (2018). Efficient estimation of the nonparametric mean and covariance functions for longitudinal and sparse functional data. Journal of the American Statistical Association，113, 1550-1564.

9. Shaogao Lv, Jiakun Jiang, Fanyin Zhou, Jian Huang and Huazhen Lin\* (2018). Estimating High-Dimensional Additive Cox Model With time-Dependent Covariate Processes. Scandinavian Journal of Statistics. 45, 900-922.

10. Ye He, Huazhen Lin\* and Dongsheng Tu (2018). A single-index threshold Cox proportional hazard model for identifying treatment-sensitive subset based on multiple biomarkers. Statistics in Medicine, 37，3267-3279.

11. Huazhen Lin\*, Fanyin Zhou, Qiuxia Wang, Ling Zhou and Jing Qin (2018). Robust and efficient estimation for the treatment effect in causal inference and missing data problems. Journal of Econometrics, 205, 363-380.

12. Shaogao Lv, Huazhen Lin\*, Heng Lian and Jian Huang (2018). Oracle Inequalities for Sparse Additive Quantile Regression in Reproducing Kernel Hilbert Space. Annals of Statistics, 46, 781–813.

13. Huazhen Lin\*, Lixian Pan, Shaogao Lv and Wenyang Zhang (2018). Efficient Estimation and Computation for the Generalized Additive Models with Unknown Link Function. Journal of Econometrics, 202,230–244.

14. Yunbei Ma, Yi Li, Huazhen Lin\* and Yi Li (2017). Concordance measure-based feature screening and variable selection. Statistica Sinica. 27, 1967-1985.

15. Huazhen Lin\*, Ling Zhou and Binhuan Wang (2017). Generalized partial linear models with unknown link and unknown baseline functions for longitudinal data. Statistica Sinica, 27, 1281-1298.

16. Huazhen Lin\*, Zhe Fei and Yi Li (2016). A semiparametrically efficient estimator of the time-varying effects for survival data with time-dependent treatment. Scandinavian Journal of Statistics, 43, 649-663.

17. Huazhen Lin\*, Ming T. Tan and Yi Li (2016). A Semiparametrically Efficient Estimator of Single-index Varying Coefficient Cox Proportional Hazards Models. Statistica Sinica, 26, 779-807.

18. Ling Zhou, Huazhen Lin and Yi-Chen Lin\* (2016). Education, Intelligence, and Well-Being: Evidence from a Semiparametric Latent Variable Transformation Model for Multiple Outcomes of Mixed Types. Social Indicators Research, 125, 1011-1033.

19. Huazhen Lin, Ling Zhou and Xiao-Hua Zhou\* (2014). Semiparametric regression analysis of longitudinal skewed data. Scandinavian Journal of Statistics, 41, 1031–1050.

20. Ling Zhou, Huazhen Lin\*, Xin-Yuan Song and Yi Li(2014). Selection of latent variables for multiple mixed-outcome models. Scandinavian Journal of Statistics, 41, 1064-1082.

21. Huazhen Lin\*, Ling Zhou, Chunhong Li, Yi Li (2014). Semiparametric transformation models for semicompeting survival data. Biometrics, 70, 599-607.

22. Huazhen Lin\*, Ling Zhou, Robert M. Elashof, Yi Li (2014). Semiparametric latent variable transformation models for multiple mixed outcomes. Statistica Sinica, 24 , 833-854.

23. Huazhen Lin, Xiao-hua Zhou\* and Gang Li (2012). A Direct Semiparametric Receiver Operating Characteristic Curve Regression with Unknown Link and Baseline Functions. Statistica Sinica, 22, 1427-1456.

24. Kani Chen, Huazhen Lin\* and Yong Zhou (2012). Efficient estimation for the Cox model with varying coefficients. Biometrika, 99, 379-392.

25. Huazhen Lin, Danping Liu, Xiao-Hua Zhou\* (2010). A correlated random effects model for longitudinal data with nonignorable missingness, Statistics in Medicine, 29, 236-247.

26. Huazhen Lin and Zhou, X. H.\* (2009). A semi-parametric two-part mixed-effects heteroscedastic transformation model for correlated right-skewed semi-continuous data. Biostatistics, 10, 640-658.

27. Zhou, X. H.\*, Huazhen Lin and Johnson, E. (2009). Nonparametric heteroscedastic transformation regression models for skewed data with an application to health care costs. Journal of the Royal Statistical Society: Series B (Statistical Methodology), 70, pp. 1029-1047.

28. Huazhen Lin, Paul S.F.YIP\* and Feng Chen (2009). Estimating the Population Size for a Multiple List Problem with an Open Population, Statistica Sinica, 19, 177-196.

29. Zhou, X. H.\*, and Huazhen Lin (2008). Semi-parametric maximum likelihood estimates for ROC curves of continuous-scale tests. Statistics in Medicine, 10, 5271-5290.

30. Huazhen Lin, Paul S.F.YIP\* and Richard M. Huggins (2008) A Double-nonparametric Procedure for Estimating the Number of Delay-reported Cases. Statistics in Medicine, 27, 3325-3339.

31. Zhou, X. H.\*, Qin, G., Huazhen Lin, and Li, G. (2006). Inferences in Censored Cost Regression Models with Empirical Likelihood, Statistica Sinica, 16, 1213-1232.

32. Jianqing Fan, Huazhen Lin and Yong Zhou\* (2006). Local partial-likelihood estimation for life time data. Annals of Statistics, 34, 290-325.

33. Paul S.F.Yip\*, Huazhen Lin and Liqun Xi (2005). A Semiparametric Method for Estimating Population Size for Capture-Recapture Experiments with Random Covariates in Continuous Time. Biometrics, 61, 1085-1092.

**ICSA Activities**

1. Invited talk at the ICSA International Conference (Guangzhou, China, December 19-23, 2010)

2. Invited talk at the ICSA International Conference and Chair of the Invited Session of the Conference (Hong Kong, China, December 22, 2013)

3. Invited talk at the ICSA-China Statistics Conference (Shanghai, China, July 4-5, 2014)

4. The 2014 ICSA China Statistics Conference, Member of Program Committee

5. The ICSA-CHINA Academic Research Committee, Member of the Academic Research Committee (July 5-7, 2015)

6. Invited talk at the ICSA-China Chapter Conference (Shanghai, July 6-7, 2015)

7. 2016 ICSA International Conference, Member of the Program Committee, Qingdao (2016)

8. 2019 ICSA International Conference, Member of Scientific Program Committee (2019)

9. Committee Member for ICSA 2020 International Conference (2020)

10. 2022 ICSA Special Lecture Committee

11. 2022 Program Committee for 12th ICSA International Conference

**Professional Committees**

1. 《Scandinavian Journal of Statistics》Associate Editor（2014.01-present）

2. 《Journal of Business & Economic Statistics》Associate Editor（2019.8-present）

3. 《Canadian Journal of Statistics》Associate Editor（2019.1-present）

4. 《Statistics and Its Interface》Associate Editor（2015.8-2019.1）

5. 《Biometrics》Associate Editor（2014.7-2016.6）

6. 《Statistical Theory and Related Fields》Associate Editor（2017-present）

7. 《English Series of Acta Mathematica Sinica》Member of the 7th Editorial Board（2020.9-2024.8）

8. 《Chinese Journal of applied probability and statistics》Member of the 7th Editorial Board (2011-present)

9. 《Journal of Systems Science and Mathematical Sciences》Member of the 7th editorial board (2014-present)

10. 《Journal of Applied Statistics and Management》Member of the Editorial Board (2014-present)

11. Member of the 7th National Statistical Textbook Editing and Reviewing Committee (2018-)

12. Member of the 2nd Modern Statistical Books Committee (2018-)

13. Member of the Southwestern University of Finance and Economics Research Committee

14. Chair of the Professor Committee at School of statistics, Southwestern University of Finance and Economics

15. Reviewer of the American Mathematical Review

16. Experts of Written and meeting evaluations of NSFC

17. Corresponding Review Expert of Senior Research Scholars and Visiting Scholars of CSC

18. Member of the 3rd Sichuan Expert Review Committee

19. Chinese Association for Applied Statistics, Associate Director (2021- present)

20. Bernoulli society East-Asian Pacific Region (EAPRC)，Committee Member（March，2020 -December,2023）

21. IMS-China Chapter Conference, Committee Member (2008-2012, 2015-present)

22. IBS-China Chapter Conference, Executive Committee Member (2013-present)

23. ICSA-China Chapter Conference, Committee Member (2014-present)

24. Data Science and Artificial Intelligence Chapter of Chinese Association for Applied Statistics, Director (2019-present)

25. The 9th National Industrial Statistics Teaching and Research Committee, Associate Chair (2018-present)

26. Environment and Resources Chapter of Chinese Association for Applied Statistics, Associate Director (2017-present)

27. High Dimensional Data Analysis Chapter of Chinese Association for Applied Statistics, Director (2015-present)

28. Biomedical Statistics Chapter of Chinese Association for Applied Statistics, Associate Director (2017-present)

29. Survival Analysis Chapter of Chinese Association for Applied Statistics, Associate Director (2018-present)

30. The 9th China Probability and Statistics Association, Director

31. The 10th China Probability and Statistics Association, Executive Director

32. Resources and Environment Statistics Chapter of Chinese Association for Applied Statistics, Executive Director (2008-2017)

33. The 7th China Engineering Probability and Statistics Association, Executive Director

34. Survival Analysis Chapter of Chinese Association for Applied Statistics, Executive Director

35. Female Mathematicians Committee and Western Mathematics Development Committee for China Mathematics Association, Committee Member

36. China Society of Statistics Education, Director and Executive Director (2014-2018)

37. The 6th Electrical Engineering Mathematics Committee Member (2015-)

38. China School of Medicine/ West China Hospital, Sichuan University, Visiting Professor (2013-Present)

**Honors and Awards**

2021：Fellow, Institute of Mathematical Statistics

2016: Distinguished Professor of Changjiang Scholars, Ministry of Education

2011: The National Science Fund for Distinguished Young Scholars, NSFC

2018: Expert enjoying the Special Government Allowance, State Council

2017: Selected for the Ten Million Talents Project, Ministry of Human Resources and Social Security

2019: The 1st Group of "Famous Teachers of Sichuan Province", Education Department of Sichuan Province

2010: Winner of the New Century Excellent Talents Supporting Program, Ministry of Education

2014: The 11th Group of Academic and Technical Leaders of Sichuan Province, Sichuan Provincial Government

2018: The 10th Group of Outstanding Experts with Outstanding Contributions in Chengdu, Chengdu Municipal Government

**Statements**

I am grateful to be nominated as a candidate to serve in the Board of Directors of the ICSA. I will actively participate the ICSA activities and serve the organizations to promote the theory and applications of statistical disciplines, especially in China.

## **Dr. Wanli Qiao**

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**Present Position**

Assistant Professor, George Mason University

**Former Position**

Finance Quantitative Analyst, Bank of America

**Degree**

PhD in Statistics, University of California, Davis

**Fields of Major Statistical Activities**

Nonparametric Statistics, Geometric Data Analysis, Statistics interfaced with Computational Biology.

**Selected publication**

• Qiao, W. (2021). Extremes of locally stationary Gaussian and chi fields on manifolds. Stochastic Processes and their Applications, 133, 166-192.

• Qiao, W. (2021). Asymptotic confidence regions for density ridges. Bernoulli, 27(2) 946-975.

• Qiao, W. (2021). Nonparametric estimation of surface integrals on density level sets. Bernoulli, 27(1) 155-191.

• Qiao, W. (2020). Asymptotics and optimal bandwidth selection for nonparametric estimation of density level sets. Electronic Journal of Statistics, 14(1), 302-344.

• Lei, J., Akhter, N., Qiao, W. and Shehu, A. (2020). Reconstruction and Decomposition of High-Dimensional Landscapes via Unsupervised Learning. KDD'20: Proceedings of the 26th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2505-2513.

• Qiao, W., Akhter, N., Fang, X. , Maximova, T., Plaku, E. and Shehu, A. (2018). From mutations to mechanisms and dysfunction via computation and mining of protein energy landscape. BMC Genomics, 19 (Suppl 7):671.

• Qiao, W. and Polonik, W. (2016). Theoretical analysis of nonparametric filament estimation. The Annals of Statistics, 44(3), 1269-1297.

**ICSA Activities**

Scientific Program Committee member of ICSA 2021 Applied Statistics Symposium

**Professional Committees**

Panelist and reviewer for National Science Foundation review panels. Referee for statistical journals such as Annals of Statistics, Annals of the Institute of Statistical Mathematics, Annals of Applied Statistics, Bernoulli, Biometrika, Statistica Sinica, Electronic Journal of Statistics.

**Honors and Awards**

Jeffress Memorial Trust Award in Interdisciplinary Research (2017)

**Statements**

As a statistician with both theoretical and interdisciplinary research interests, I am eager to use my experiences in both industry and academia to help foster the connection between these two worlds and beyond in statistical activities. I look forward to the opportunity of working with the ICSA leadership to serve our members, and to promote statistics as a discipline with more scientific, educational and societal impacts.

## **Dr. Ming Tan**



**Present Position**

Professor (tenured) and Chair of the Department of Biostatistics, Bioinformatics and Biomathematics at Georgetown University Medical Center (2012-Present).

**Former Position**

Head, Division of Biostatistics, University of Maryland Greenebaum Cancer Center (2002-2009) and Head, Division of Biostatistics and Bioinformatics (2009-2012), University of Maryland School of Medicine. Professor in Biostatistics, Department of Epidemiology and Public Health (2002-2012, tenured 2005). Associate Member/Professor of Biostatistics at the Department of Biostatistics and Epidemiology, St. Jude Children's Research Hospital and director of Biostatistics for the St Jude Program in Developmental Therapeutics for Solid Malignancies. Assistant (1990-1996) and Associate Staff/Professor (1996-1997) of Biostatistics, Department of Biostatistics and Epidemiology at The Cleveland Clinic.

Degree Ph.D. in Statistics, Purdue University, West Lafayette, Indiana, USA (1990). MS in Mathematical Statistics from Central China Normal University (1986) and BS in Computational Mathematics from Wuhan University (1982).

**Fields of Major Statistical Activities**

Methodological research interests include adaptive and biomarker targeted designs for clinical trials phase 1-III, and predictive analysis and subgroup identifications and causal estimands in clinical trials and robust estimation in MRCT; statistical design and analysis of multidrug combinations integrating concepts in pharmacology, systems biology and modern statistical methods; robust causal estimates for non-randomized comparisons, and methods for the design and analysis of studies involving multi-omics, all funded by the NCI and NHLBI. Lead statisticians for multiple clinical trials in cancer and neurodegenerative diseases.

**Selected publication**

Dr. Tan has over 230 publications with over 100 peer-reviewed papers in statistical/biostatistical method journals such as Biometrics, Statistica Sinica, Statistics in Medicine, BMC Bioinformatics, Journal of Computational Biology, Evolutionary Bioinformatics, Statistical Methods in Medical Research, Journal of Clinical Trials, Contemporary Clinical Trials, Journal of Applied Statistics, Statistics and Its Interface, The American Statistician, Scandinavia Journal of Statistics, Journal of Multivariate Analysis, Annals of the Institute of Statistical Mathematics, Journal of Biopharmaceutical Statistics, Statistics in Biopharmaceutical Research, and Pharmaceutical Statistics and over 100 medical papers in New England Journal of Medicine, Nature Medicine, Proceedings of National Academy of Sciences, Journal of Clinical Oncology, The Lancet Oncology, Blood, Circulation, Kidney International, Journal of Infectious Diseases, Cancer, Clinical Cancer Research, Cancer Chemotherapy and Pharmacology, and Oncogene. He has co-authored a statistics book, (Tan, Tian and Ng: Bayesian Missing Data Problems: 2009) addressing some fundamental and applied statistical problems.

**ICSA Activities**

Permanent member of ICSA and Membership and Awards Committees (2004). Organizer and chair of many invited Paper Session of ICSA applied statistics symposium (most recently 2015). ICSA Nomination Committee (2018-2021) and Award committee (2021-).

**Professional Committees**

Dr. Tan has been associate editor of Statistics in Medicine, Biometrics, Statistics in Bioscience, Journal of Integrative Medicine. He is Executive Editor of Cancer Carcinogenesis (2019-Date). Dr. Tan has received multiple NIH grant awards as Principal Investigators, served on multiple NIH and NCI review panels such as the P30. He serves as a member or chair on multiple Data and Safety Monitoring Boards for NIH (Hematology, Gene and Cellular Therapy) and pharmaceutical sponsors. He has been a member of FDA CDER dermatology and ophthalmology advisory committee (1999-2003. 2012-2016). He has been an organizer of multiple invited paper sessions for International Biometrics Society (IBS) ENAR Meetings and JSMs. He has served on the IBS Editorial Advisory Committee and had served on ASA’s Committee on Publications (2007-2009) and President of ASA’s Western Tennessee Chapter (1999-2001). He has served on the external scientific advisory boards at several NCI cancer centers.

**Honors and Awards**

Fellow of the American Statistical Association (ASA, 2007), and elected member of the International Statistical Institute (1999).

**Statements**

I am honored to be nominated for the Board of Directors of the ICSA. I have known ICSA since the 90s. It has a rich history to cherish and carry forward. ICSA has enjoyed success as a professional society over the years. It has helped bring together statisticians from different parts of the world, those of Chinese origins and beyond. Thinking about plans for its future development and where I can contribute, I have several areas in mind: (1) Promoting visibility and influence of ICSA by facilitating interactions among diverse groups crossing academia, industry, governments, and research institutes utilizing my broad experience; (2) Promoting mentoring for ICSA members. ICSA has a huge network of talents in all areas of statistics and beyond. It is vitally important to facilitate the career growth of younger members. Again, I am grateful and excited to have this opportunity to be nominated to serve ICSA which has benefited my career personally.

## **Dr. Li Wang**

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**Present Position**

Senior Director, Head of Statistical Innovation, AbbVie

**Former Position**

Director of Predictive Analytics and Statistics, AbbVie

**Degree**

Ph.D of Statistics

**Fields of Major Statistical Activities**

Adaptive Designs, Bayesian Designs, Synthetic Controls, Machine Learning, Enrollment Forecast and Re-forecast

**Selected publication**

1. Li Wang, Yang Liu, Xiaotian Chen and Erik Pulkstenis, “Real time monitoring and prediction of time to endpoint maturation in clinical trials”, submitted in 2021

2. Li Wang, Ruitao Lin and Ying Yuan, “A Bayesian Predictive Platform Design for Proof of Concept and Dose Finding Using Early and Late Endpoints” submitted in 2021

3. Daniel Schwartz, Yuan Ji and Li Wang, “Dynamic Borrowing from Historical Controls via the Synthetic Prior with Covariates in Randomized Clinical Trials” submitted in 2021

4. Yanhong Zhou, Greg Cicconetti, Yunming Mu, Yuan Ying, Li Wang. “BOIN with intra-subject does escalation for single agent and drug combination”, submitted in 2021

5. Hong Li, Kevin J. Gleason, Yiran Hu, Sandra S. Lovell, Saurabh Mukhopadhyay, Li Wang, Bidan Huang, “Handling Death as an Intercurrent Event in Time to Recovery Analysis in COVID-19 Treatment Clinical Trials” submitted in 2021

6. Hong Li, Man Jin, Yu-Che Chung, Sheng Zhong, Li Wang, “Bayesian Methods of Borrowing Study-Level Historical Longitudinal Control Data for Mixed-effects Model with Repeated Measures” submitted in 2022

7. Zhang L. Wang Z. Wang L. Chan I. “A simple approach to incorporate historical control data in clinical trial design and analysis”, Statistics in Biosciences (2022)

8. Zhao, Y., Yang, B., Lee, J.J., Wang, L. & Yuan, Y. “Bayesian Optimal Phase II Design for Randomized Clinical Trials” Statistics in Biopharmaceutical Research, (2022)

9. Yanhong Zhou, Ruitao Lin, J. Jack Lee, Daniel Li, Li Wang, Ying Yuan, “TITE-BOIN12: A Bayesian Phase I/II Trial Design to Find the Optimal Biological Dose with Late-onset Toxicity and Efficacy” Statistics in Medicine, (2022)

10. Tianyu Zhan, Yiwang Zhou, Ziqian Geng, Yihua Gu, Jian Kang, Li Wang, Xiaohong Huang and Elizabeth H. Slate, “Deep Historical Borrowing Framework to Prospectively and Simultaneously Synthesize Control Information in Confirmatory Clinical Trials with Multiple Endpoints” Journal of Biopharmaceutical Statistics, (2021), 1-17

11. Jessica Lim, Li Wang, Nicky Best, Jeen Liu, Jiacheng Yuan, Florence Yong, Lanju Zhang, Rosalind Walley, Alice Gosselin, Robert Roebling, Kert Viele, “Reducing Patient Burden in

Clinical Trials Through the Use of Historical Controls: Appropriate Selection of Historical Data to Minimize Risk of Bias”, Therapeutic Innovation & Regulatory Science, December 2019

12. Zhou Y. Chen S. Sullivan D. Li Y. Zhang Y. Xie W. Zhang H. Tang Y. Wang L. Harford A. Yang B. “Dose-ranging design and analysis methods to identify the minimum effective dose (MED)” , Contemporary Clinical Trials 63 (2017) 59-66

13. Li Wang, Geoff Vining and Scott Kowalski, “Two-Strata Rotatability in Split-plot Central Composite Designs” Applied Stochastic Models in Business and Industry, Volume 26, Issue 4, Pages 413-447 July/August 2010

14. Wang, Li, Kowalski, Scott M. and Vining, G. Geoffrey (2009) 'Orthogonal blocking of response surface split-plot designs', Journal of Applied Statistics,36:3,303 — 321

**ICSA Activities**

ICSA Midwest Chapter Chair from 2017 to 2022 and 2021 ICSA Symposium Fund Raising Chair

**Professional Committees**

DIA Virtual Journal Club Executive Committee, 2016 – present

Cytel Innovation Advisory Board Member, 2021 ~ present

DIA Biostatistics Industry and Regulator Forum Planning Committee, 2021 ~ present

**Honors and Awards**

• 2020, AbbVie President Award from Chief Scientific Officer (CSO) for Accelerating Medicines to Patients through Enhanced Trial Design with Advanced Bayesian Quantitative Evidence-based Decision-making

• 2019, AbbVie President Award from Chief Scientific Officer (CSO) for Leveraging Historical Internal Data in Deployment of Synthetic Controls to Accelerate Development and Enhance Decision Making

• 2018, AbbVie Development Award from Chief Medical Officer (CMO) for Saving $30 MM for Upadacitinab AD Phase 3 program

• 2018, AbbVie President Award from Chief Scientific Officer (CSO) for Development Excellence and Design Center

• 2017, AbbVie Development Award from Chief Medical Officer (CMO) for creating immunology conventions

• 2016, AbbVie President Award from Chief Scientific Officer (CSO) for accelerated initiation of ABT-494 Phase 3 program

• 2013, First place winner of JSM poster competition

• 2012, BMS Triumph BDOC Award for addressing Eliquis FDA CRL

• 2012, BMS Biopharma Behaviors Award for Innovate and Improve in appreciation of superior performance

**Statements**

International Chinese Statistical Association has always been my first choice of professional statistical community to serve. I served as ICSA Midwest chapter chair from 2017 to 2022 organizing annual chapter meetings which attracted hundreds of local statisticians and students from industry and universities each year. Also I served as the chair of fund raising committee for 2021 ICSA applied symposium resulting 16 sponsors and record high sponsorship.

I’m really proud to be a Chinese statistician working in pharmaceutical industry to contribute and bring value to ICSA, scientific community and patients in need. Under the recent Asian hate environment, a stronger unified voice from the community is especially important and I would love to be part of the prominent board of ICSA to continue to push and drive ICSA to the next level.

As the statistical innovation head in AbbVie, I find now is the perfect time for us statisticians to push the boundaries into the uncharted areas like machine learning, deep learning, digital health and real world evidence. Collaboration is key and together we can prevail to make a bigger impact. Hopefully I can bring my more than 16 years of clinical development and innovation experience to ICSA leadership to strengthen the collaboration among academia, government and industry.

## **Dr. Ming Wang**

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**Present Position**

Associate Professor at Penn State

**Former Position**

Assistant Professor at Penn State

**Degree**

Ph.D.

**Fields of Major Statistical Activities**

longitudinal data analysis, survival analysis, Bayesian statistics,

missing data, spatial statistics, risk prediction, model selection and other (bio)statistical

aspects related to public health, biomedical and environmental research

**Selected publication**

1. Shen, B., Chen, C., Ghahramani, N., Chinchilli, V.M., Zhang, L. and Wang, M. Semiparametric marginal methods for longitudinal data adjusting for informative cluster size with non-ignorable zeros. Biometrical Journal, 2022. In press.

2. Shen, B., Chen, C., Liu, D., Datta, S., Ghahramani, N., Chinchilli, V.M. and Wang, M. A joint modeling of longitudinal data with informative cluster size adjusted for zero-inflation and a dependent terminal event. Statistics in Medicine, 2021. doi:10.1002/sim.9081;

3. Chen, C., Wu, R., Li, R., Shen, B.y and Wang, M. A Robust Consistent Information Criterion for Model Selection Based on Empirical Likelihood. Statistical Sinica, 2021. doi:10.5705/ss.202020.0254;

4. Chen, C., Shen, B., Liu, A., Wu, R. and Wang, M. A Multiple Robust Propensity Score Method for Longitudinal Analysis with Intermittent Missing Data. Biometrics, 2020; 77(2):519-532;

5. Chen, C., Xue, Y., Zhang, L., Shen, B.y and Wang, M. Empirical-likelihood-based criteria for model selection on weighted generalized estimating equation for longitudinal data with dropout missingness. Biometrics, 2019 Sep;75(3):950-965;

6. Li, Z., Chinchilli, V.M. and Wang, M. A Bayesian Joint Frailty-copula Approach for Modeling of Recurrent Events and a Terminal Event. Biometrical Journal, 2018. DOI: 10.1002/bimj.201700326. PMID: 30479030;

7. Wang, M., Matthews, S.A., Iskandarani, K.y, Li, Y., Chinchilli, V.M. and Zhang, L. Spatial-temporal analysis of prostate cancer incidence in Pennsylvania for years 2000-2011. Geospatial Health, 2017; 12(2). DOI: 10.4081/gh.2017.611. PMID: 29239571;

8. Wang, M. and Long, Q. Addressing issues associated with evaluating prediction models for survival endpoints based on concordant statistic. Biometrics, 2016 Sep;72(3):897-906. PMID: 26756274; PMCID: PMC4940324.

**ICSA Activities**

I am serving as the Editor-in-chief of the ICSA Bulletin Editor since 2020, with the responsibility to publish two issues per year. I am active in contributing to the ICSA conferences and symposiums by providing talks and organizing invited sessions. Currently, I am also serving as a member of Scientific Program Committee for the ICSA 2022 Applied Statistics conference, University of Florida, Gainesville, 2022.

**Professional Committees**

1) Scientific Program Committee member for the ICSA 2022 Applied Statistics conference,

University of Florida, Gainesville, 2022;

2) ENAR Regional Advisory Board Member, 2021-2024;

3) The American Statistical Association Philadelphia (ASA-PHL) Chapter board member

as Publication officer, 2021-present;

4) Co-chair of CDC Preventing Chronic Disease (PCD) Journal Statistical Advisory Committee, 2019-2023;

5) DSMB member for University of Pennsylvania CMU Roybal P30 Center (Grant Number:

P30AG034546-10), 2018-present;

6) Member, Committee of Graduate Council at Penn State, 2018-2021;

7) Committee member, Group on Women in Medicine and Science (GWIMS), 2017-present

8) Member, ASSESS-AKI Steering committee, 2016-present;

9) Member, PhD Candidacy Exam Committee in Biostatistics in Dept of Public Health Sciences at Penn State, 2016-present;

10) Member, PhD Admission Committee in Biostatistics in Dept of Public Health Sciences at Penn State, 2015, 2017, 2018;

11) Member, MPH Admissions Committee at Penn State, 2015-2018;

12) Member, Public Health Day Symposium Abstract Review Committee at Penn State, 2015.

**Honors and Awards**

1) The Elected member of International Statistical Institute for significant contributions to

the statistical profession, 2021;

2) The Research Education Component (REC) Affiliation at the Mass Alzheimer’s Disease

Research Center (MADRC), 2021;

3) The Penn State College of Medicine sabbatical leave award, 2021 Fall (cancelled due to

the pandemic);

4) The Award for Dean’s Excellence in Teaching, 2019;

5) Travel award from the National Institute of Statistical Sciences (NISS)/American Statistical Association (ASA) Writing Workshop for the Junior Researchers, 2016, 2018;

6) The Junior Faculty Presentation Award from the Association for Clinical and Translational Statisticians (ACTStat) annual meeting, 2016;

7) Travel funds from NIH for the 18th Meeting of New Researchers in Statistics and Probability, 2016;

8) Travel funds from the National Science Foundation for Joint Statistical Meeting, 2015;

9) Penn State University Junior Faculty Development Award, 2015;

10) Penn State CTSI KL2 career development award, 2015-2017;

11) Travel Award by the Eastern North American Region (ENAR) Diversity Workshop, 2014;

12) ASA Statistics in Epidemiology Young Investigator Award, JSM, 2012;

13) NIH Biostatistics in Genetics, Immunology, and Neuroimaging (BGIN) training fellowship at Emory University, 2012-2013;

14) The Eastern North American Region (ENAR) RAB Graduate Student and Recent Graduate

Council (GSRGC) board membership, 2012-2013;

15) Travel Award by the University of Miami Spatial Statistics Conference, 2012;

16) Travel Award by the Statistical and Applied Mathematical Sciences Institute (SAMSI) for the Simulation of Rare Events Workshop, 2012;

17) Travel Award by the Eastern North American Region (ENAR) Diversity Workshop, 2012;

18) The R. L. Anderson Runner-Up Poster Award (3/28) by Southern Regional Council on

Statistics (SRCOS) Summer Research Conference, 2011;

19) The Boyd Harshbarger student Travel Award by Southern Regional Council on Statistics

(SRCOS) Summer Research Conference, 2011, 2012;

20) Travel Award by the Eastern North American Region (ENAR) Diversity Workshop, 2009, 2010.

**Statements**

I am a tenured Associate Professor in the Department of Public Health Sciences at Penn State College of Medicine. I have gained extensive insight on responsibilities and expectations of statisticians through my 9+ years' work in academia. I have been serving as the Editor-in-chief of the ICSA Bulletin Editor since 2020, with the responsibility to publish two issues per year. I am active in contributing to the ICSA conferences and symposiums by providing talks and organizing invited sessions. Currently, I am serving as a member of Scientific Program Committee for the ICSA 2022 Applied Statistics conference, University of Florida, Gainesville, 2022. Besides the ICSA, I am also involved in the other statistical association and community activities, including Eastern North American Region meetings (ENAR) Regional Advisory Board Members (2021-2024) and the American Statistical Association Philadelphia (ASA-PHL) Chapter board member as Publication officer (2021- 2022). Further, I am serving as an Associate Editor of multiple (bio)statistical journals including Biometrics (2021-2023), Statistics in Medicine (2021-2024), Journal of Biopharmaceutical Statistics (2021-present), and also Statistical Editor for multiple epidemiological and clinical journals (i.e., CDC Preventing Chronic Disease Journal, BMC Medical Research Methodology, Journal of the American Society of Nephrology). Now, I am excited to run for 2023 board member of the ICSA so that I can contribute more our community. If elected, I will dedicate to help President and board team better serve our members and organize excellent activities. Also, one of my goals is to broaden participation, and in particular reach out young researchers to encourage them to establish networks, identify career mentors and pursue advanced education. In addition, the partnership between academia, industry companies and government will be further enhanced by organizing high quality sessions, discussion panels or other types of workshops/seminars. With my prior experience and academic network, I am confident I can fulfill the responsibilities with excellence and address our members' evolving needs. I look forward to more opportunities to serve the ICSA.

## **Dr. Yanping Wang**

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**Present Position**

Associate Vice President, Global Regulatory Affairs, Eli Lilly and Company

**Former Position**

2020-2022: Senior Director/Global Head of Immunology Statistics, Eli Lilly and Company

2016-2020: Senior Director/Global Head of Oncology Statistics, Eli Lilly and Company

2013-2016: Head of Statistics and Health Outcomes, Lilly China, Eli Lilly and Company

2012-2013: Research Advisor, Eli Lilly and Company

2009-2012: Principal Research Scientist, Eli Lilly and Company

**Degree**

Ph.D. in Statistics, Virginia Tech, 2002

**Fields of Major Statistical Activities**

About 20 years of experience in the pharmaceutical industry. Currently serves as an Associated VP for Global Regulatory Affairs at Eli Lilly and Company. Previously held multiple leadership positions at Eli Lilly Statistics departments in both China and U.S.. Served as a special member of the graduate faculty at University of Texas. Deep expertise in drug development and served as the cross-function leader for developing two cancer compounds. Also served the head for Eli Lilly China Health Outcomes department. Statistical research and applications in fields including design and analysis of clinical trials, real world evidence, quantitative decision making. Contributions to drug development programs in disease areas including oncology, autoimmune diseases, diabetes, and neuroscience. Specific statistical areas of focus include experimental design, missing data, survival analysis, predictive modelling.

**Selected publication**

About 30 publications in both statistical and medical journals, including Statistics in Medicine, Biostatistics, Clinical trials, Journal of Clinical Oncology, Statistics in Biopharmaceutical Research etc. Invited speaker/panelist at Joint Statistical Meetings, DIA/FDA Biostatistics Industry and Regulator Forum, ICSA, ISBS, DIA annual meeting, Flatiron Research Summit, Friends of Cancer Research annual meeting etc.

**ICSA Activities**

ICSA Shanghai Committee member (2013-2016)

ICSA 2010 Symposium Scientific Program Committee member

Organized/chaired/presented at ICSA meetings

Regular participants of ICSA activities

Published on ICSA Bulletin.

**Professional Committees**

Served as referee for many medical and statistical journals; organizing member for ICSA, ISBS, China QSF conferences; member of DIA adaptive design team; invited speaker/panelist at major statistics conferences; lead, develop, and mentor next generation statisticians.

**Honors and Awards**

N/A

**Statements**

It is a great honor to be nominated as a candidate for the ICSA Board of Directors. I’d like to thank Dr. Wei Shen (2015 ICSA president), Dr. Wenqing He and the ICSA Nomination Committee for their guidance and support.

With its outstanding leadership and highly engaged members, ICSA has become one of the premier statistical organizations in the world. I am very excited to witness and be part of the growth of ICSA. I am deeply motivated to make more impactful contribution to the future of ICSA and hence running for the ICSA Board of Directors. If elected, I am committed to working with the ICSA Board, ICSA leadership, and all the members to make the association a stronger and more influential organization. Specifically, I will focus the following areas:

1. Grow the influence of ICSA in the biopharmaceutical industry. The industry faces unprecedented challenges in delivering breakthrough and affordable medicines. Statistics and statisticians can play a critical or leading role in transforming drug discovery, development, and access. ICSA can effectively enable its members and statisticians as profession to put ourselves in the front and center of this transformation. I will work with the ICSA Board/leadership/members to transform and/or create more targeted strategy, more effective academic-industrial-regulatory collaborations, dialogue, training, etc. to expand the influence and impact of ICSA in making life better through innovative medicines.

2. Improve leadership for the next generation statisticians. In this digital age, statisticians are in high demand in a wide range of organizations and industries. However, to deliver the highest impact, strong leadership skills are required. With the current curriculum at the statistics department from most schools, leadership training remains a gap. Statistical associations like ICSA can and should help close the gap. I look forward to working with great minds in the association to propel ICSA into a leader in developing leaders.

3. Continue to deepen the influence of ICSA outside North America, especially in China/Asia. Demand for quality statisticians is exploding in China over the past decade. ICSA is positioned to be more active in shaping the ecosystem of developing statistical talents in China and I am passionate about being a part of the undertaking.

Thank you for giving me the opportunity to share my passion about the future of ICSA. I am excited and committed to the mission of ICSA. I sincerely ask for your support.

## **Dr. Wei Wu**

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**Present Position**

Professor, Department of Statistics, Florida State University

**Former Position**

President, ASA Florida Chapter, 02/2019-04/2021

**Degree**

Ph.D

**Fields of Major Statistical Activities**

Computational Statistics, Functional Data Analysis, Nonparametric Statistics

**Selected publication**

1. Xu, Z., Zhou, X., Xu, Y., and Wu, W., “Removing nonlinear misalignment in neuronal spike trains using the Fisher-Rao registration framework”, Journal of Neuroscience Methods, In Press.

2. Qi, K., Chen, Y., and Wu, W., “Dirichlet depth for point process”, Electronic Journal of Statistics, vol. 15, no. 1, 3574-3610, 2021.

3. Stimmell, A., Xu, Z., Moseley, S., Fernandez, D., Benthem, S., Dang, D., Santos-Molina, L., Anzalone, R., Carcia-Barbon, C., Rodrigue, S., Wu, W., and Wilber, A., “Tau pathology profile across a parietal-hippocampal brain network is associated with spatial reorientation learning and memory performance in the 3xTg-AD mouse”, Frontiers in Aging, vol. 2, 1-10, 2021.

4. Schluck, G.,Wu,W., and Srivastava, A., “Intensity estimation of Poisson process with compositional noise”, Frontiers in Applied Mathematics and Statistics, vol. 7, 1-19, 2021.

5. Schoepfer, K., Xu, Y., Wilber, A., Wu, W., and Kabbaj, M., “Sex differences and effects of estrous stage on hippocampal-prefrontal theta communications”, Physiological Reports, vol. 8, no. 8, e14646, 2020.

6. Zhao, W., Xu, Z., Li, W., andWu,W., “Modeling and analyzing neural signals with phase variability using the Fisher-Rao registration”, Journal of Neuroscience Methods, vol. 346, 108954, 2020.

7. Ahn, K., Tucker, J. D., Wu, W., and Srivastava, A., “Regression models using shapes of functions as predictors”, Computational Statistics and Data Analysis, vol. 151, 107017, 2020.

8. Zhang, Y., Chen, Y., Wang, C., Lo, C., Liu, X., Wu, W., and Zhang, J., “ProDCoNN: a convolutional neural network method for protein design”, PROTEINS: Structure, Function, and Bioinformatics, vol. 88, no. 7, 819-829, 2020.

9. Meynadasy, M., Clancy, K., Simon, J., Wu, W., and Li, W., “Impaired early visual categorization of fear in social anxiety”, Psychophysiology, vol. 57, no. 3, e13509, 2020.

10. Xu, Z.,Wu,W., Winter, S., Mehlman, M., Butler, W., Simmons, C., Harvey, R., Berkowitz, L., Chen, Y., Taube, J., Wilber, A., and Clark, B., “A comparison of neural decoding methods and population coding across thalamo-cortical head direction cells”, Frontiers in Neural Circuits, vol. 13, art. 75, 1-18, 2019.

11. Ross, M., Flores, D., Bertram, R., Johnson, F., Wu, W., and Hyson R. L., “Experience-dependent intrinsic plasticity during auditory learning”, Journal of Neuroscience, vol. 39, 1206-1221, 2019.

12. Shaughnessy, D., Hyson R. L., Bertram, R., Wu, W., and Johnson, F., “Against a vestigial interpretation of the song control network in female zebra finches”, Journal of Comparative Neurology, vol. 527, 843-855, 2019.

**ICSA Activities**

2022 ICSA Applied Statistics Symposium, Program Committee

Professional.Committees 2022 ICSA Applied Statistics Symposium

2020 ASA Traveling Course – Shiny Essentials, FSU Statistics Department (Local Organizer)

2019 Statistics - the Impact of Big Data (FSU Statistics Department, Program Committee Chair)

2017 Workshop on Applications of Geometric Functional Data Analysis (Local Organizer)

2016 ASA Florida Chapter Annual Meeting (Chair of the Organizing and Program Committee)

**Honors and Awards**

Guo Moruo Scholarship, University of Science and Technology of China, 1997

**Statements**

Dr. Wei Wu is an established leader in the field of Computational Statistics, Functional Data Analysis, Point Process Models, and Shape Analysis. His research results are widely applied to several fields, including Computational Neuroscience, Neural Engineering, Bioinformatics, and Biomedical Signal Processing. Prior to joining the Department of Statistics, Florida State University, Dr. Wu received his PhD from Division of Applied Mathematics, Brown University in 2004 under the supervision of Prof. David Mumford, a Fields Medalist and world-renowned scientist in mathematics, statistics, and neuroscience. After his Ph.D. study, he completed a two-year Post-doctoral fellowship in a leading neural coding lab, the Hatsopoulos Lab, of the Department of Organismal Biology and Anatomy at the University of Chicago. His stellar work as a graduate student and as a post-doctoral scholar has continued during his time at Florida State University.

Dr. Wu's work focuses on interdisciplinary research in statistical modeling and analysis of neural data. He develops statistical models and applies those models to problems in a variety of subject areas in neuroscience including statistical modeling and decoding of population neuronal activity in the motor cortex in primates, statistical analysis and inference in the function space of spike trains, statistical analysis of spectral/temporal features in birdsongs, and temporal coding and rate coding in the peripheral gustatory system in rats. Having a strong background in theoretical statistics, systematic training in biology, computer science (he has an MS in Computer Science from Brown) and successful experience in external collaborations, he has demonstrated ability in both independent theoretic study and applications for interdisciplinary work.

## **Dr. Bin Zhang**

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**Present Position**

Professor, Division of Biostatistics and Epidemiology, Cincinnati Children’s Hospital Medical Center

**Former Position**

Assistant Professor (2009-2012), Department of Biostatistics, University of Alabama-Birmingham. Assistant Professor (2012-2014), Associate Professor (2014-2020), Division of Biostatistics and Epidemiology, Cincinnati Children’s Hospital Medical Center

Degree Ph.D. in Statistics, 2009, University of Missouri

**Fields of Major Statistical Activities**

Survival analysis, Longitudinal data analysis, Optimal design, Meta analysis, Application of statistical methods in medical studies.

**Selected publication**

Dr. Zhang has published nealy 140 peer-reviewed research papers in both statistical journals such as Biometrics, Statistica Sinica and top medical journals such as Radiology, Hypertention, JACI, etc. Dr. Zhang also published two book chapters and he has been an invited columnist for www.angle.com.tw.

**ICSA Activities**

Dr. Zhang has been an ICSA member since 2008. He serves as a member of ICSA Nomination for Election Committee. He was the organizer and chair of multiple invited sessions of ICSA conferences, e.g. 2019 ICSA China conference in Tianjin; Dr. Zhang also served as organizer and/or chair of multiple sessions of both national and international conferences including JSM, ENAR, WNAR, etc.; In addition to the services in ICSA and other orgnizations, Dr. Zhang was also an invited speaker in various conferences organized/sponsered by ICSA.

**Professional Committees**

Member of ICSA Nomination for Election Committee.

**Honors and Awards**

High Impact Paper Award (Hypertention, 2019), The article of the year (Abdominal Radiology, 2018), Editor’s Choice Award (Rehabilitation Nursing, 2018), Elected Member (International Statistical Institute, 2016), Institute of Mathematical Statistics (IMS) NRC Travel Award (2014), IMS Young Researcher Award (2012), National Science Foundation (NSF) Travel award (2010).

**Statements**

During the past 14 years, as an ICSA member, I participated many great events organized by ICSA and I have learned a lot from them. As I served the ICSA committees, I see the rapid growth of ICSA and it becomes one of the most successful and well recognized statistics association. I feel very pround of being involved in the change as an active member. I hope my leadership experience at Cincinnati Children’s Hospital can help me serve ICSA better. I wish I could contribute more to this fantastic community as member of ICSA Board Directors.

## **Dr. Min Zhang**

A person smiling for the camera

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**Present Position**

Professor, Department of Biostatistics, University of Michigan, Ann Arbor

**Former Position**

Associate Professor, Department of Biostatistics, University of Michigan

**Degree**

Ph.D.

**Fields of Major Statistical Activities**

Semiparametric methods, causal inference, clinical trials, survival data analysis, optimal treatment regimes

**Selected publication**

Dr. Zhang has published 100 peer-reviewed research papers in bio/statistical journals and biomedical journals, including the Journal of the American Statistical Association, Statistica Sinica, Biometrics, Biostatistics, Annals of the Applied Statistics, Statistics in Medicine, the Journal of the American Medical Association, the Lancet Respiratory Medicine, etc.

Yang, G., Zhang, B., Zhang, M. (2021). Estimation of Knots in Linear Spline Model. Journal of the American Statistical Association, in press.

Dahmer, M.K., Yang, G., Zhang, M., Quasney, M.W., Sapru, A., Weeks, H.M., Sinha, P., Curley, M.A.Q., Delucchi, K.L., Calfee, C.S., Flori, H. (2021). Use of Latent Class Analysis in Identification of Phenotypes in Pediatric Acute Respiratory Distress Syndrome Patients, The Lancet Respiratory Medicine, in press.

Donald S. Likosky, Guangyu Yang, Min Zhang, Preeti N. Malani, Michael D. Fetters, Raymond J. Strobel, Carol E. Chenoweth, Hechuan Hou, Francis D. Pagani. (2021). Interhospital Variability in Healthcare-Associated Infections and Payments After Durable Ventricular Assist Device Implant among Medicare Beneficiaries. The Journal of Thoracic and Cardiovascular Surgery, in press.

Zhang, B. and Zhang, M. (2021). Subgroup identification and variable selection for treatment decision making. Annals of Applied Statistics, in press.

Zhang, M., and Zhang, B. (2021). Discussion on “Improving precision and power in randomized trials for COVID-19 treatments using covariate adjustment, for binary, ordinal, and time-to-event outcomes” by David Benkeser, Ivan Diaz, Alex Luedtke, Jodi Segal, Daniel Scharfstein, and Michael Rosenblum. Biometrics, in press.

Zhang, M. and Zhang, B. (2021). A stable and more efficient doubly robust estimator. Statistica Sinica. In press. doi:10.5705/ss.202019.0265.

Zhang, B. and Zhang, M. (2018). Variable selection for estimating the optimal treatment regimes in the presence of a large number of covariates. Annals of Applied Statistics, 12(4), 2335-2358.

Zhang, B. and Zhang, M. (2018). C-learning: a new classification framework to estimate optimal dynamic treatment regimes. Biometrics, 74(3):891-899.

He, Z., Zhang, M., Lee, S., Smith, J.A., Kardia, S.L.R., Diez Roux, A.V., Mukherjee, B. (2017). Set-based tests for gene-environment interaction in longitudinal studies. Journal of the American Statistical Association, 112(519):966-978.

Zhang, M. (2015). Robust methods to improve efficiency and reduce bias due to chance imbalance in estimating survival curves in randomized clinical trials. Lifetime Data Analysis, 21(1),119-137.

He, Z., Zhang, M., Zhan, X., and Lu, Q. (2014). Modeling and testing for joint association using a genetic random field model. Biometrics, 70(3),471-479.

Zhang, M. and Wang, Y. (2013). Adjusting for observational secondary treatments in estimating the effects of randomized treatments. Biostatistics, 14(3),491-501.

Zhang, M. and Wang, Y. (2012). Estimating treatment effects from a randomized trial in the presence of secondary treatment. Biostatistics, 13(4), 625-636.

Zhang, M. and Schaubel, D. E. (2012). Double-robust semiparametric estimator for differences in restricted mean lifetimes in observational studies. Biometrics, 68, 999-1009.

Zhang, M. and Schaubel, D. E. (2011). Estimating differences in restricted mean lifetime using observational data subject to dependent censoring. Biometrics, 67, 740-749.

Zhang, M., Tsiatis, A. A., Davidian, M., Pieper, K. S., and Mahaffey, K. (2011). Inference on treatment effects from a randomized clinical trial in the presence of premature treatment discontinuation: The SYNERGY trial. Biostatistics, 12(2) 258-269.

Zhang, M., Tsiatis, A.A., and Davidian, M. (2008). Improving efficiency of inferences in randomized clinical trials using auxiliary covariates. Biometrics, 64(3), 707-715.

**ICSA Activities**

Lifetime member of ICSA

Chair and invited speaker of various invited sessions in ICSA conferences

Review for Statistica Sinica

**Professional Committees**

Deputy Editor/ Statistics Editor: Journal of Heart and Lung Transplantation

Associate Editor: The International Journal of Biostatistics

**Honors and Awards**

Elizabeth C. Crosby Research Award, NSF ADVANCE Program, University of Michigan - Ann Arbor

**Statements**

I am extremely honored to be nominated for the Board of Directors of the International Chinese Statistical Association (ICSA). As a lifetime member of the vibrant community of ICSA, I have greatly benefited from various events/activities hosted by ICSA and from interactions with ICSA members. It is my sincere desire to serve and give back to this community by dedicating my time and effort! I am a statistician with a strong interest in developing rigorous statistical methodologies and publishing in statistical journals. Also, I have gained extensive experience in applied collaborative research through my heavy collaborative work with clinicians and serving as a statistical editor for the Journal of Heart and Lung Transplantation. In elected, I would like to work closely with the ICSA leadership and members to promote diversity, both in terms of statistical research and ICSA membership, by placing emphasis on more statistical applications in various scientific areas and as a result attracting members with various backgrounds and experiences. I believe promoting diversity and statistical applications is key to increasing visibility and impact of our statistical society.