

Candidates for 2016 Election of ICSA Officers

Candidates for 2017 President Elect

1. Ho, Shuyen



[PRESENT POSITION] Biostatistics Director, Global Data Operations, PAREXEL International (2015-Present).

[FORMER POSITION] Biostatistics & Programming Director, GlaxoSmithKline (2001-2014); Section Head, GlaxoWellcome (1997-2001); Group Leader, Senior Research & Research Statistician, Schering-Plough Research Institute (now Merck) (1990-1997).

[DEGREES] PhD. in Statistics, University of Wisconsin - Madison, 1989; B.S. in Applied Mathematics, National Chiao Tung University, Taiwan, 1981.

[FIELD OF MAJOR STATISTICAL ACTIVITIES] Clinical Trials, Bayesian Statistics and Prior Elicitation, Multiplicity, Statistics Consulting.

[ICSA ACTIVITIES] Award Committee Member 2015-2017, President's Citation 2014, Executive Director 2011-2013, Program Committee Chair 2008, Outstanding Service Award 2008, Applied Symposium Organizing Committee Chair 2007, Membership Committee Member 2005-2007, Board Director 2003-2005, Life member.

[RELATED PROFESSIONAL ACTIVITIES] Co-founder of GSK-Duke Statistical Workshop,

2013-2014; Duke University Biostatistics Professional Advisory Council Member, 2011-present; GSK-US Biostatistics Conference Co-organizer, 2012; FDA/Pharma Workshop Committee Member, 2004-2006; ASA pilot Colleague to Colleague program (current).

[SELECTED PUBLICATIONS] *"Phase II Clinical Development of New Drugs"*, ICSA Book Series in Statistics, Springer, co-authored with Ting, N., Chen, D. and Cappelleri, J., to be published in 2017; *"Data-Driven Prior Distributions for a Phase-2 COPD Dose-Finding Clinical Trial"*, co-authored with Novick, S., 2nd place poster winner in 2015 JSM, manuscript in submission; *"From Statistical Power to Statistical Assurance: It's Time for the Paradigm Change in Clinical Trial Design"*, co-authored with Chen, D., 2015 ASA Proceedings, manuscript in review; *"A Bayesian re-analysis of binary data from Macugen phase III clinical trials"*, co-authored with Ting, N. and Chen, D., to appear in Communications in Statistics 2016. Other earlier articles have been published in the Journal of Biopharmaceutical Statistics, Journal of Statistical Computation and Simulation, ASA Proceedings, and Respiratory therapeutic medical journals.

[STATEMENT]

For over 25 years, I have enjoyed servicing the ICSA, whether as a member, Symposium Organizer or Executive Director. During this time, I have had the pleasure of witnessing and contributing to the organization's growing success, both in size and influence.

Through its many capable leaders and dedicated members, ICSA embodies the cutting edge of statistical theories, methods, and applications. ICSA's members include distinguished professors and research and applied statisticians from academia, industries and governments. This is clearly reflected in our high quality and well participated symposia, conferences, and technical journals. We also engage

in close collaboration with other statistical organizations, such as ASA, and between academia, industry and government. ICSA has also steadily improved its member services and general outreach to the statistical community broadly, although there is still plenty of opportunity and space to grow. On the administrative and operational infrastructure, ICSA has improved over the years. We have achieved significant milestones, such as revising the Constitution and By-laws, establishing a member database with online registration and renewal, creating symposium websites, and establishing a home office at Georgia Southern University. However, there is still room for growth as ICSA cements its position as a leading statistical organization.

Under the current leadership, ICSA continues to expand collaborations and establish new partnerships globally, pursue scientific leadership, strive for operational excellence, encourage mentorship, expand membership, and increase course offerings and conferences to nurture researchers and attract new members.

If elected, I would like to build on this solid foundation and continue to grow ICSA's outreach, influence and services. In addition to the current directions and efforts, I will also work specifically to:

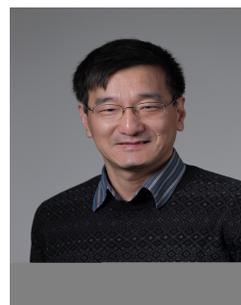
1. Initiate ICSA Fellows program. Given our many distinguished members and their achievements, in addition to our Pao-Lu Hsu and Distinguished Achievement Awards, it is time to establish our own Fellows to recognize members of established reputation who have made outstanding contributions in statistical related work.
2. Expand home office capacity by potentially hiring and training professional staff to streamline and formalize operations, establish procedures and guidance, and maintain organization memory.
3. Enhance the sustainability of ICSA through improved income-generating activities. An ad-hoc committee may be formed to design and implement programs to achieve ICSA's

- financial sustainability and growing potential.
4. Support the establishment of new specific area sections and local chapters. Local chapters have been growing rapidly and are helpful for recruiting new members and enhancing member services.
5. Explore strategies to recruit new members with the idea that "Our Common Denominator is Statistics." In particular, focusing our recruiting efforts on the Chinese region, diversified ethnic groups, and to different disciplines, such as computer science, economics, and industrial and electrical engineering.

Throughout the years, I have enjoyed being a part of the distinguished community that ICSA fosters. Being a member of ICSA has given me opportunities to present research papers, organize sessions and symposium, and network with scholars and leaders in various statistical areas. For example, although I live close to the SAS Founder and CEO Dr. Jim Goodnight in Cary North Carolina, it was until I co-organized the 2007 ICSA symposium at Raleigh North Carolina that gave me the opportunity to get to know him and introduce him to our members who participated in his insightful banquet speech.

I am delighted to be nominated for the President-Elect position and look forward to serving the organization for its continuous success. Thank you for considering me for this position.

2. Liu, Aiyi



[PRESENT POSITION] Senior Investigator (with Tenure), Biostatistics and Bioinformatics Branch, Division of Intramural Population Health Research, Eunice Kennedy Shriver National Institute of Child

Health and Human Development, National Institutes of Health (2007-Present).

[FORMER POSITION] Investigator (Tenure Track), Biostatistics and Bioinformatics Branch, Division of Intramural Population Health Research, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health (2002-2007); Assistant Professor of Biostatistics (Tenure Track), Department of Biostatistics, Bioinformatics, and Biomathematics, Georgetown University (2002-1999); Postdoctoral Research Fellow, Department of Biostatistics and Epidemiology, St. Jude Children's Research Hospital (1997-1999); Faculty member, Department of Mathematics, University of Science and Technology of China (1986-1993).

[DEGREES] Ph.D. in Statistics, University of Rochester, 1997; M.S. in Statistics, 1988, and B.S. in Mathematics, 1986, University of Science and Technology of China.

[FIELD OF MAJOR STATISTICAL ACTIVITIES] Sequential methods in clinical trials and biomedical research; Statistical methodology for diagnostic biomarkers (ROC curve analysis; methods for pooled biospecimens; evaluation of measurement errors; limit of detection and left truncation); Semiparametric and nonparametric methods for multidimensional data; Group testing methodology.

[SELECTED PUBLICATIONS] Dr. Liu has published over 130 peer-reviewed research papers among which about two-third are statistical methods papers, with the rest resulting from his collaboration with biomedical researchers at NIH and other institutions. Dr. Liu's contributions to the statistical literature cover a range of topics including statistical inference upon termination of sequential testing, non-parametric inference on multidimensional outcomes, combination of biomarkers to improve diagnostic performance, and optimal group testing designs, mostly motivated by collaborative biomedical problems. His research work has been published in leading biostatistical/statistical journals including *Biometrika*, *Biometrics*, *Biostatistics*, *Statistics in Medicine*, *Journal of the American Statistical Association*, and *Statistica Sinica*. Dr. Liu is a coauthor (with Zou KH, Bandos A, Ohno-Machado L, Rockette H) of a book, *Statistical Evaluation of Diagnostic Performance: Topics in ROC Analysis* (Chapman & Hall/CRC, 2011), and has co-edited (with Chen Z, Qu Y, Tang L, Ting N, Tsong Y) the ICSA 2013 symposium book, *Applied Statistics in Biomedicine and Clinical Trials Design: Selected Papers from 2013 ICSA/ISBS Joint Statistical Meetings* (Springer, 2015). More

information can be found on https://www.nichd.nih.gov/about/staff/Pages/bio.aspx?nih_id=0011166359.

[HONORS AND AWARDS] Dr. Liu is an elected member of the International Statistical Institute (2006), a fellow of the American Statistical Association (2011), and the recipient of the National Institutes of Health Director's Award (2013 and 2015).

[EDITORIAL SERVICES] Associate Editor, *Clinical Trials: Journal of the Society for Clinical Trials*, 2014-Present; Associate Editor, *Journal of Statistical Planning and Inference*, 2009-2012; Guest Co-Editor (with KH Zou) for "Mathematical and Statistical Methods for Diagnoses and Therapies". *Philosophical Transaction of the Royal Society A*, Number 1874, Volume 366, July 2008.

[PROFESSIONAL SERVICES] Committee on Award of an Outstanding Statistical Application, the American Statistical Association (ASA), 2011-Present.

[ICSA ACTIVITIES] Life member of ICSA; Member, Board of Directors, 2007-2009; Member, Awards Committee, 2015-2017; Co-Chair (with Y Tsong), Program Committee and Executive Committee, ICSA Applied Statistics Symposium, 2013; Member, Program Committee, ICSA Applied Statistics Symposium, 2005, 2011, 2015.

[STATEMENT] I am honored to be nominated as a candidate for the ICSA President. I am perhaps one of the many who benefited most from joining ICSA and participating in its activities, beginning as a graduate student. I first learned the formation and the name of ICSA in the summer of 1987 from Professor George Tiao of the University of Chicago who visited to the Department of Mathematics of the University of Science and Technology of China. As a graduate student then in the department I was asked to take Professor Tiao and his wife to tour Huang Shan (Yellow Mountain). During the tour, Professor Tiao and his wife fed me with a lot of information about Chinese statisticians in the US, their contributions and influence, and then newly established ICSA. ICSA is the first statistics organization I joined (as a life member) after I came to the US in 1993. So many years having passed, I am still remembering the 1996 ICSA Applied Symposium held at the Johns Hopkins University, the first statistical conference I attended in the US at which I met quite a few senior statisticians including Dr. Yi Tsong of FDA who have later become my lifetime mentors and friends, something much needed for a graduate student or junior statistician like me then. For that reason I have always encouraged

graduate students and junior statisticians to join ICSA as a member and to attend ICSA conferences. Trained as a mathematician and mathematical statistician in both under and graduate studies, and worked as a biostatistician in biomedical research after graduate, I understand not only how much statisticians may need to interact with researchers in various disciplines, but also how important role statisticians can play in the process of scientific research. While truly realizing the limitation of what an ICSA president can do during the one-year tenure, if elected, I would like to make my best efforts to continue the ICSA's endeavor to increase the visibility and to promote the role of ICSA in the communities. In order to attract more junior statisticians, I plan to increase ICSA activities by organizing more conference sessions, to promote more publications on ICSA bulletin, website, and other media platforms, on issues such as funding opportunities, writing successful grant applications, healthful and productive collaborations, manuscript publication skills, and to launch a mentor-mentee network to encourage partnership among senior and junior statisticians, so that graduate students and junior statisticians can benefit in their career development. I will also continue the current ICSA's efforts to outreach to other statistics communities and regions. The ICSA Shanghai Chapter appears to be an exciting experiment, and if turned out to be a successful model, I plan to expand the model by creating more chapters in various regions. My vision, taking China as an example, and similarly for other regions, is a creation of ICSA-China that has a few chapters, which will promote membership for ICSA and coordinate ICSA activities and partnership with other statistics societies in the region. I will also make efforts to promote better understanding among different disciplines and better understanding of what roles statisticians can play and what contributions statisticians can make in other emerging scientific fields.



[PRESENT POSITION] Wenqing He is a Professor of Statistics in the Department of Statistical and Actuarial Sciences at the University of Western Ontario, Canada

[DEGREES] He earned a B.S. degree in Mathematics from Lanzhou University in China, and an MSc in Applied Mathematics from Sichuan University in China, an M. A. in Statistics from York University in Canada, and a Ph.D. in Statistics from University of Waterloo in Canada.

[MAJOR STATISTICAL ACTIVITIES] His research interests include the development of parametric and semiparametric methods in the analysis of complex structured data, such as multivariate survival data, missing data and data with measurement error, and gene expression data, with the applications on cancer research and health studies. He has published many research articles, both theoretical and applied, in peer-reviewed journals.

[ICSA ACTIVITIES AND OFFICE HELD] He chaired the ICSA Student Paper Competition Committee in 2014, and organized and chaired many invited sessions for ICSA Applied Statistics Symposium and ICSA conference in the past years. He was a member of the ICSA Program Committee in 2014-2015, and was a member of the Program Committee for the Applied Statistical Symposium held in New York in 2011.

[RELATED PROFESSIONAL ACTIVITIES] He was the local representative for the Statistical Society of Canada (SSC) 2008-2010, was the member of the Pierre Robillard Award Committee (the best PhD thesis award) for SSC in year 2012-2015, and chaired the Pierre Robillard Award Committee in 2013-2014.

<p>Candidates for 2017 Biometrics Section Representative</p>

1. He, Wenqing

2. Qu, Annie



[PRESENT POSITION] Annie Qu is Professor of Statistics at the University of Illinois at Urbana-Champaign. She is the Director of the Illinois Statistics Office and Co-Director of the Ph.D. Program.

[FORMER POSITION] Prior to joining UIUC, she was Associate Professor of Statistics at Oregon State University. **[DEGREES]** She received her Ph.D. degree from Penn State University, and her B.S. from Fudan University.

[HONORS] She received an NSF career award in 2004-2009, and was elected ASA Fellow in 2010. She is currently Associate Editor of JASA and the Electronic Journal of Statistics, and past Associate Editor of Biometrics and Statistical Science. .

[FIELD OF MAJOR STATISTICAL ACTIVITIES] Her research interests are in longitudinal data, semiparametric and nonparametric statistics, machine learning and high-dimensional data.

[PUBLICATIONS] She has published over 40 papers in peer-reviewed journals including JASA, Annals of Statistics, Biometrika, JRSSB, Journal of Machine Learning Research, and Biometrics. She is the Section Chair-Elect of Statistical Learning and Data Mining for ASA in 2017. .)

[ICSA OFFICES & ACTIVITIES] She served on the Membership Committee of ICSA in 2008-2010, as the Chair of the Publication Committee for ICSA in 2015, and as the Midwest Chapter Committee and Symposium Program Co-Chair for ICSA in 2015. In addition, she served on the Program Committee of ICSA in 2009-2013, the Organizing Committee for the 4th and 5th IMS-China International Conferences, and as the overall Program Chair of JSM in 2015. She is a permanent member of ICSA.

Candidates for Directors of the ICSA Board (2017-2019)

1. Chen, Jie



[PRESENT POSITION] Jie Chen is Sr. Global Group Head of Novartis Pharmaceutical Corporation. Prior to joining Novartis, Jie held various positions in the biopharmaceutical industry including Sr. Director of Biometrics and Information Science at AstraZeneca Global Medicine Development China, Director/Sr. Director of Statistics and Statistical Programming at Merck Serono R&D (Beijing) Hub, Director of statistics at Abbott Laboratories, and Sr. Biometrician/Associate Director at Merck Research Laboratories.

[DEGREES] Jie earned both a medical degree and a Master's degree from Shanghai First College of Medicine (now Fudan University School of Public Health), MPH in biostatistics from the University of Oklahoma Health Sciences Center, and a PhD in statistics from Temple University, Philadelphia.

[FIELDS OF MAJOR STATISTICAL ACTIVITIES] Jie's interest includes statistical innovation and applications in the research, development, regulation and life-cycle management of biopharmaceutical products. He is especially interested in the areas of innovative trial design, multi-regional clinical trials, multiple comparisons and multiple testing, Bayesian approaches, and safety evaluation of medical products. Jie has served as a co-guest editor for *Biometrical Journal* (2007), *Statistics in Biopharmaceutical Research* (2010), *Journal of Biopharmaceutical Statistics* (2013).

[PUBLICATIONS] Jie has published about thirty articles in peer-reviewed journals, making contributions to biopharmaceutical statistics. He has given short courses at FDA/Industry Statistics Workshop (2010), EMA Statistical Symposium (2011) and delivered numerous scientific presentations at institutional statistical colloquia, professional conferences and workshops.

[ICSA ACTIVITIES AND OFFICE HELD] Jie joined the ICSA effort of Applied Statistics Symposium in early 2000, and started in recent years helping organize sessions. He serves as an Organizing Committee member for the 2015 and 2016 ICSA China Statistics Conferences where he organizes sessions and gives presentations.

[RELATED PROFESSIONAL ACTIVITIES] Jie has been quite active in professional services to biopharmaceutical statistics. He is a co-founder of the

International Society for Biopharmaceutical Statistics (ISBS), and currently serves as president-elect of the ISBS. He serves in the Executive Committee of the 1st – 4th ISBS international symposia (2008-2015), Organizing Committee of the 4th – 6th MCP international conferences (2005-2011), Current Index to Statistics Management Committee (2008-2010) of the American Statistical Association (ASA), and Steering Committee and Round-Table Co-Chair of the 2010 FDA/Industry Statistics Workshop. Jie is also a co-organizer of the 2015 and 2016 UMBC-Stanford Workshop on Clinical Trials and Regulatory Sciences.

2. Chen, Cathy W.S.



[PRESENT POSITION] Distinguished Professor, Feng Chia University, Taiwan (2004-Present); Professor, Department of Statistics, Feng Chia University (1998-Present); Program Director, FCU-SJSU Dual-Degree Program in Business Analytics (2016-Present).

[FORMER POSITION] Associate Professor, Department of Statistics, Feng Chia University (1993-1998).

[DEGREES] Ph.D. in Statistics, National Central University, Chung-Li, Taiwan, 1993; M.Sc. in Statistics, University of California, Riverside, USA, 1985.

[FIELD OF MAJOR STATISTICAL ACTIVITIES] Professor Chen is devoted to developing Bayesian methods in nonlinear and financial time series analysis, which include inference, forecasting, diagnosis and model selection for time series models. Many of her papers address important issues in financial risk management such as value-at-risk using Bayesian time series methodology. She also has made contributions to issues concerning environmental changes and modelling of infectious disease outbreak. She has been very active in serving as associate editors (or editor of special issues) for a number of prominent journals such as the Journal of Business and Economic Statistics, Computational Statistics and Data Analysis, the Australian and New Zealand

Journal of Statistics, PLOS ONE, and Computational Statistics.

[SELECTED PUBLICATIONS] Professor Chen has published over 85 peer-reviewed research papers in leading journals in areas of statistics, economics, finance, and infectious diseases, including Journal of Business and Economic Statistics, Statistics and Computing, Computational Statistics and Data Analysis, Statistics, Statistics in Medicine, Journal of the Royal Statistical Society Series C, AIDS, Emerging Infectious Diseases, Journal of Financial Econometrics, and International Journal of Forecasting. One of her papers appeared in Nature in 2006.

[HONORS AND AWARDS]

Fellow, the American Statistical Association 2016; Fellow, the Royal Statistical Society, UK 2009; Chartered Statistician, the Royal Statistical Society, UK, 2010; Elected Member, International Statistical Institute 2008; Honorary member of the Phi Tau Phi Scholastic Honor Society 2006.

[EDITORIAL SERVICES]

AE, PLOS ONE, 2014 – present; AE, Journal of Business and Economic Statistics, 2013 – present; AE, Computational Statistics and Data Analysis (CSDA), 2009 – present; Annals Guest AE, CSDA Annals of Computational and Financial Econometrics, 2010; Editor, the 6th special issue on Computational Econometrics of the CSDA; Editor, the special issue on “Bayesian Computing, Methods and Applications” of the CSDA; AE, the Australian and New Zealand Journal of Statistics, 2008 – present; AE, Computational Statistics, 2008 – present.

[PROFESSIONAL SERVICES]

Council member, International Association for Statistical Computing (IASC), ISI, 2013-2017; Committee member, Women in Statistics, ISI, 2013-2015; ISBA/Economics, Finance and Business, Nominating Committee 2013; ISI Nominations Committee for the period 2013-2015; Chair, East Asia Outreach Committee (EAOC), ISI, August 2011–present; Board of Directors of the IASC-ARS, 2008 – present; Panel member, Mathematics Research Promotion Center of the National Science Council in Taiwan. 2013-2015 and 2007-2009. Panel member in statistics, Department of Natural Sciences of the National Science Council in Taiwan, 2011-2013.

[ICSA ACTIVITIES] Professor Chen serves as Scientific Program Committee member, the First Eastern Asia Meeting on Bayesian Statistics, (A Satellite Meeting of the 10th ICSA International Conference) in 2016. She attended the ICSA conferences and gave talks since 2001.

3. Hu, Jianhua



[PRESENT POSITION & DEGREES] Dr. Hu obtained her PhD degree in Biostatistics from University of North Carolina at Chapel Hill in 2003, and joined Department of Biostatistics at University of Texas MD Anderson Cancer Center as an Assistant Professor in 2004. At MD Anderson, she has been Professor since September 2015.

[FIELD OF MAJOR STATISTICAL ACTIVITIES] The breadth and scope of Hu's research demonstrate the impressive depth of her expertise in methodology and translational applications. Specifically, she continues to make substantial contributions to developing rigorous and effective formal analytical tools for various high-throughput genomics, proteomics, and medical imaging data produced by new technologies. The relevance of such work is highlighted particularly in medicine with the rapid emergence of various new biotechnologies generating massive datasets that require novel analytical methods in order to extract clinically meaningful information.

[PUBLICATIONS] Dr. Hu has also dedicated to general methodology development in variable selection, nonparametric modeling, and robust statistics. Hu has made a remarkable feat and marker of an accomplished (bio)statistician, with her outstanding methodology publication record--- particularly in *Journal of American Statistical Association*, *Journal of the Royal Statistical Society, Series B*, *Biometrika*, *Annals of Applied Statistics*, and *Biometrics*.

[ICSA ACTIVITIES] Dr. Hu has been both the organizer and a speaker at invited sessions at several ICSA conferences/symposiums. She has also been Associate Editor for *Statistics in Biosciences* (a ICSA journal) since 2015.

4. Hu, Zonghui



[PRESENT POSITION] Dr. Hu is a Mathematical Statistician at National Institute of Allergy and Infectious Diseases, National Institutes of Health.

[DEGREES] Ph.D. in Statistics from Texas A&M University and B.S. in mathematics from Dalian University of Technology.

[FIELDS OF MAJOR STATISTICAL ACTIVITIES] Her research interests include semiparametric modeling, missing data problem, high dimensional data analysis, vaccine design and vaccine efficacy.

[PUBLICATIONS] She has over fifty publications including lead author papers in the *Journal of American Statistical Association*, *Biometrika*, *Journal of Royal Statistical Society Series C*, *Journal of Statistical Planning and Inference*, *Statistics in Medicine*, and *Statistics and Its Interface*. She has collaborated papers in medical journals such as *New England Journal of Medicine*, *Proceedings of the National Academy of Science of the United States of America*, *Lancet*, *Blood* and *AIDS*.

[HONORS AND AWARDS] She is the recipient of NIH director's award in 2015 and special act/service award for eight times 2005-2015.

[ICSA ACTIVITIES] ICSA membership committee 2011-2013; invited contributor of two special issues in *Statistics and Its Interface*; invited speaker on missing data problems in ICSA 2011.

[EDITORIAL SERVICES] Associate Editor for *Statistics in Medicine* 2015 to present.

[STATEMENT] I am very grateful to be nominated as a candidate. If I have the opportunity to serve in the board, I will make effort to better facilitate the collaborations between NIH, academia and pharmaceutical industry, which has been one of my major responsibilities at NIH.

5. Huang, Bo



6. Huang, Chiung-Yu



[PRESENT POSITION] Director, Global Innovative Pharma, Pfizer Inc., CT, USA

[FORMER POSITIONS]: Associate Director (2011-2015), Manager (January 2008-2011), Pfizer Inc.

[DEGREES]: Ph.D. in Statistics, University of Wisconsin-Madison, 2007; M.S. in Statistics, University of Wisconsin-Madison, 2005; B.S. in Mathematical Statistics, Nankai University, 2003.

[FIELD OF MAJOR STATISTICAL

ACTIVITIES] Dr. Huang's research interest includes model-based dose-finding design, adaptive design, development of personalized medicine, and survival analysis.

[PUBLICATIONS] Dr. Huang has many publications in peer-reviewed journals including Statistics in Medicine, Journal of Biopharmaceutical Statistics, Statistics in Biopharmaceutical Research, Biometrical Journal, Clinical cancer research, Journal of Clinical Oncology and various other medical journals. He is also an author of 2 book chapters. His publication covers a wide range of major biopharmaceutical statistical areas. In addition, he has contributed to over 40 oral and poster presentations at major statistical and medical conferences, including invited talks at the FDA industry statistics workshop, PhRMA KOL Lecture Series in Adaptive Designs, JSM, ICSA, ENAR.

[ICSA ACTIVITIES] Dr. Huang is a member of ICSA and has been an active participant of ICSA applied symposiums as invited speaker, organizer, and chair since he attended his first ICSA applied symposium in 2006.

[RELATED PROFESSIONAL ACTIVITIES] Dr. Huang has served as a referee for numerous statistical journals, including JASA, Biometrics, Clinical Trials, Statistics in Medicine, Journal of Biopharmaceutical Statistics, Statistics in Biopharmaceutical Research. He is the recipient of the 1st-place award of the ASA Biopharmaceutical Section Poster Competition in 2014, 2nd-place award of the ASA StatSig Poster Contest in 2012, and ENAR Distinguished Student Paper Award in 2007. He also currently holds a patent in the US on cancer research (US Patent 8,435,516 B2).

[PRESENT POSITION] Chiung-Yu Huang is Associate Professor of Oncology and Biostatistics at the Johns Hopkins University. Prior to joining the Sidney Kimmel Comprehensive Cancer Center at JHU in 2013, she was a Mathematical Statistician at the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

[DEGREES] Dr. Huang holds B.S. and M.S. degrees in Mathematics from the National Tsing-Hua University in Taiwan, and a Ph.D. in Biostatistics from the Johns Hopkins University.

[FIELDS OF MAJOR STATISTICAL

ACTIVITIES] Dr. Huang's main area of research is general biostatistics methodology and its application to biomedical sciences. She has extensive experience in methodology development related to survival outcomes, recurrent events, competing risks, longitudinal measurements, missing data, and monitoring of clinical trials. Her recent work includes a novel approach that combines information from the individual-level data collected in clinical studies with aggregate information from external big-data sources, such as the Surveillance, Epidemiology, and End Results (SEER) program of the NCI to infer about associations or differences of interest. She has developed efficient statistical methods for evaluating vaccine efficacy in clinical trials with active surveillance by incorporating information about the number of founder virus. Dr. Huang serves as Associate Editor for Lifetime Data Analysis and for Statistics in Biosciences, and Co-Guest Editor for LIDA Special Issue on outcome dependent sampling. As a Mathematical Statistician at NIAID between 2004 and 2013, she worked closely with both extramural and intramural scientists on design, conduct, monitoring, analysis and presentation of clinical trials and laboratory studies, with a focus on influenza and malaria research.

[PUBLICATIONS] Dr. Huang has published more than sixty peer-reviewed research articles in prestigious statistical and medical journals, including JASA, Biometrika, Biometrics, Biostatistics, Statistics in Medicine, American Journal of Human

Genetics, New England Journal of Medicine, Annals of Oncology, and PNAS.

[ICSA ACTIVITIES AND OFFICE HELD] Dr. Huang has organized and chaired invited sessions for several ICSA Applied Statistics Symposiums. She served as a reviewer for ICSA Book Series in Statistics, entitled “Applied Statistics in Biomedicine and Clinical Trials Design: Selected Papers from 2013 ICSA/ISBS Joint Statistical Meetings.”

[RELATED PROFESSIONAL ACTIVITIES] Dr. Huang served as a Grant Reviewer for NIH and for Organization for Health Research and Development (ZonMw), Netherlands. She is a Statistical Reviewer for Infectious Disease Clinical Research Program of NIAID and the Uniformed Services University of the Health Sciences, and Division of Allergy, Immunology, and Transplantation, Laboratory of Host Defenses, and Laboratory of Immunogenetics of NIAID. She is currently a member of the Clinical Research Review Committee (CRC) at the Sidney Kimmel Comprehensive Cancer Center. She is a member of the organizing committee for the 2015 NIAID workshop “Infectious Diseases Research: Quantitative Methods and Models in the Era of Big Data,” held in National Institutes of Health, Bethesda, MD.

7. Ing, Ching-Kang



[PRESENT POSITION] Ching-Kang Ing is Research Fellow in the Institute of Statistical Science at Academia Sinica, and Professor in Department of Economics at National Taiwan University.

[DEGREES] He earned a Ph.D. degree in Statistics from National Tsing Hua University.

[FIELDS OF MAJOR STATISTICAL ACTIVITIES] His research interests include model selection, asymptotic theory, time series analysis, and large p small n problems. He currently serves as an Associate Editor of *Statistica Sinica* and *Journal of Time Series Analysis*.

[PUBLICATIONS] He has published quite a few papers in core statistics and econometrics journals such as *AoS*, *JASA*, *Bernoulli*, *Statistica Sinica*, *JoE*, *Econometric Theory*, *JTSA* and *JBES*.

[RELATED PROFESSIONAL ACTIVITIES] His groundbreaking results in time series prediction and model selection have resulted in two Outstanding Research Awards (2008 and 2013) given by Ministry of Science and Technology of Taiwan and one Academia Sinica Investigator Award (2011). His method for the analysis of high-dimensional data has helped two largest semiconductor companies in Taiwan to increase their yield rates. He served on scientific program and organizational committees of many professional meetings, including [Workshop on High-Dimensional Statistical Analysis, 2015](#), [Workshop on Complex and High-Dimensional Data Analysis, 2015](#), [Workshop on Financial Derivatives and Risk Management, 2013](#), [Workshop on Active Risk Management, 2013](#), [Workshop on Statistical Frontiers, 2012](#), [Joint Meeting of the 2011 Taipei International Statistical Symposium and 7th Conference of the Asian Regional Section of the IASC, 2011](#), [Financial Risk Management Workshop, 2010](#), [Workshop on Model Selection and Related Topics, 2009](#), [Conference on Statistical Models and Methods in Quantitative Finance and Related Topics, 2009](#), [Statistics and Probability Conference in Memory of Ching-Zong Wei, 2005](#), [Workshop on Sequential Analysis, Time Series and Related Topics, 2004](#).

8. Ji, Hongkai



[PRESENT POSITION] Associate Professor of Biostatistics, The Bloomberg School of Public Health, Johns Hopkins University (2013-Present); Affiliated Faculty, The Institute for Data Intensive Engineering and Science, Johns Hopkins University (2013-Present); Affiliated Faculty, Center for Computational Biology, Johns Hopkins University (2012-Present); Affiliated Faculty, The High Throughput Biology (HiT) Center, Johns Hopkins University (2011-Present).

[FORMER POSITION] Assistant Professor of Biostatistics, The Bloomberg School of Public Health, Johns Hopkins University (2007-2013).

[DEGREES] Ph.D. in Statistics, Harvard University, 2007; M.A. in Statistics, Harvard University, 2004; M.E. in Automation, Tsinghua University, 2002; B.E. in Automation, Tsinghua University, 1999.

[FIELD OF MAJOR STATISTICAL ACTIVITIES] Dr. Ji's research interests include statistical genomics, big data, experiment design, Bayesian and empirical Bayes methods, machine learning, data mining, and statistical computing. He develops statistical and computational methods for collecting and analyzing big and complex data, particularly high-throughput genomic data. He also applies these tools to study gene regulatory programs in human development and diseases.

[PUBLICATIONS] He has published 47 peer-reviewed research articles in both statistical and scientific journals and 6 book chapters (<https://scholar.google.com/citations?user=EujDTuEAAAAJ&hl=zh-CN>). With his interdisciplinary work at the interface of statistics, biological science and public health, he has made both methodological and scientific contributions. Methodologically, he has developed widely-used statistical and computational methods for analyzing high-throughput genomic data (*Nature Biotechnology*, 2008), data integration and mining (*PNAS*, 2013; *Biostatistics*, 2015), and Bayesian hierarchical and mixture models for big omics data (*Bioinformatics*, 2005; *Nature Biotechnology*, 2010; *Biostatistics*, 2015). Scientifically, he has made contributions to decoding gene regulatory networks in cancer, stem cells, and embryonic development (*Cell*, 2007; *Genes & Development*, 2008, 2010, 2015; *PNAS*, 2010), comparative genomics (*Nature*, 2005), and transposon biology (*Cell*, 2010). He has developed 15 open source software tools distributed through GitHub, R/Bioconductor, and other public repositories and web sites. These tools have been widely used in the biomedical research community (30,000+ downloads). He has also given numerous invited talks and presentations at institutional colloquia and national and international conferences.

[ICSA ACTIVITIES] Dr. Ji is an Associate Editor for the ICSA-sponsored journal *Statistics in Biosciences* (2015-present). He is also the Guest Editor for the special issue of *Statistics in Biosciences* on "Statistics and Genomics: Emerging Issues and Solutions". He organized sessions for the 8th and 10th ICSA International Conferences and will be chairing a session for the 2016 ICSA Symposium.

[RELATED PROFESSIONAL ACTIVITIES] Dr. Ji is currently an Associate Editor for *Statistical*

Applications in Genetics and Molecular Biology (2011-present) and *Statistics in Biosciences* (2015-present). He has organized and chaired scientific sessions for numerous statistical conferences. He has served the organizing committee for The Statistical Methods for Very Large Datasets Conference. He is an author of the ASA White Paper "Discovery with Data: Leveraging Statistics and Computer Science to Transform Science and Society". He served as reviewers for both leading statistical and scientific journals such as *JASA*, *JRSSB*, *Nature Biotechnology*, *Nature Methods*, *PNAS*, and *Genome Research*. He has also served numerous NIH study sections including GCAT, BMRD, BDMA and a number of special emphasis panels as grant reviewers. His research is funded by NIH and TEDCO.

9. Lu, Hui



[PRESENT POSITION] Distinguished Professor, Department of Bioinformatics and Biostatistics, Shanghai Jiaotong University; Co-Director, SJTU-Yale Joint Center for Biostatistics; Director, Center for Biomedical Informatics, Shanghai Children's Hospital; Adjunct Professor of Biostatistics, Yale University.

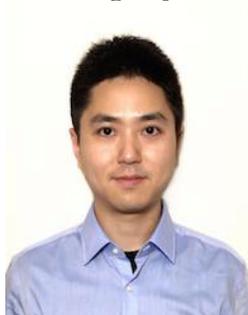
[DEGREES] Bachelor degree from Peking University in mathematics, PhD from University of Illinois at Urbana-Champaign in Computational Biology.

[FIELDS OF MAJOR STATISTICAL ACTIVITIES] Bioinformatics and biostatistics, molecular network analysis, disease networks, computational systems biology, medical genetics, datamining and machine learning, medical and

clinical data analysis, clinical trial design, protein structure prediction, and protein dynamics study.

[PUBLICATIONS] Published more than 60 papers in journals including Nature, Molecular Cell, PNAS, JACS, Genome Research, Bioinformatics, Biophysical Journal, Nucleic Acids Research, Proteins, with more than 4000 citations

10. Wang, Sijian



[PRESENT POSITION] Sijian Wang is an Associate Professor of Department of Biostatistics & Medical Informatics Statistics and Department of Statistics at University of Wisconsin, Madison.

[FORMER POSITIONS] None.

[DEGREES] He earned a B.S. degree in Applied Mathematics from Tsinghua University, China, and a Ph.D. degree in Biostatistics from University of Michigan.

[FIELDS OF MAJOR STATISTICAL ACTIVITIES] His research interests include high-dimensional data analysis, statistical machine learning, variable selection, nonparametric smoothing, statistical genomics, bioinformatics, precision medicine, survival analysis, longitudinal data analysis, and statistical modeling in biomedical sciences.

[PUBLICATIONS] He has published more than twenty statistical research papers in peer-reviewed journals, including Annals of Statistics, Annals of Applied Statistics, Biometrics, Biometrika, Biometrics, Biostatistics, PNAS, Statistics in Medicine and others, making numerous theoretical and methodological contributions in his research areas. He published more than 20 interdisciplinary research papers in various leading medical journals. He has given more than sixty invited talks and presentations at national and international meetings, workshops, and institutional colloquia.

[ICSA ACTIVITIES AND OFFICE HELD] He organized an invited session for 2011 ICSA Applied Statistics Symposium in New York, NY and an invited session for 2017 ICSA Applied Statistics Symposium in Chicago, IL.

[RELATED PROFESSIONAL ACTIVITIES] He has taken several officer positions in professional societies, including Regional Advisory Board, ENAR, 2011-2013; ENAR Junior Researcher Workshop, 2013; Workshop on Nonparametric Statistics for Big Data, 2014; organized and chaired invited session in professional meetings including ENAR and JSM; served on review panels for NSF and NIH. His research has been funded by NIH.