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### Education:

BSc Hons	1983	Mathematics	National University of Singapore, Singapore
M. S.	1985	Mathematics	University of Wisconsin
M. S.	1989	Statistics	University of Minnesota
Ph. D.	1990	Statistics	University of Minnesota

### Position

1990-1996	Assistant professor, Department of Biostatistics, UCLA
1996-1999	Associate Professor, Department of Biostatistics, UCLA
1999-	Professor, Department of Biostatistics, UCLA

### Honors

1992	Elected Member, Delta Omega Public Health Honor Society
2000-2010	Associate Editor, Biometrics
2003-2006	Member, Fisher Lectureship Award Committee of The American Statistical Association
2006	External Reviewer, Department of Applied Mathematics and Statistics, SUNY at Stony-Brook
2007	Elected Fellow, The American Statistical Association 2007 Elected Member, The International Statistical Institute
2011	Member, Scientific Advisory Committee for a 6-month Design and Analysis of Experiments Workshop at the Isaac Newton Institute for Mathematical Sciences, Cambridge, England (18 July-2 December).
2011	Member, External Review Committee, Biostatistics Program at Oregon Health and Science University
2011	Elected Fellow, Institute of Mathematical Statistics
2012	Elected Fellow, The American Association for the Advancement of Science (AAAS)
2016	Chair, External Review Committee, Master Statistics Program at the University of Utah
2021	Elected Full Member, Sigma Xi, The Scientific Research Honor Society
2021-2024	Member, Committee of Presidents of Statistical Societies (COPSS) Distinguished Achievement Award and Lectureship of The American Statistical Association
2022-2025	Yushan Scholar - The highest honor given by the Taiwan Ministry of Education for an Overseas Visiting Professor
2022	Statistical Editor, Journal of the American College of Cardiology [DECLINED] (After a competitive national search, I was selected, but I did not accept the paid job.)
2023-	Associate Editor, Scientific Reports
2023-	Associate Editor, Journal of the American Statistical Association – Theory & Methods Section

2024-2026 Member, Committee of Presidents of Statistical Societies (COPSS), Presidents' Award of The American Statistical Association

### Visiting Positions

- 1 Department of Statistics, Guangzhou University, Guangzhou, China. 11-29 November 2011, 10-16 December 2012, and 11-16 December 2013
- 2 Isaac Newton Institute for Mathematical Sciences, Cambridge, England, 18 July-21 December 2011
- 3 Department of Statistics, Stockholm University, Stockholm, Sweden. March 17-1 April 2012
- 4 Department of Probability and Applied Statistics, National University of Singapore, Singapore. 14-30 June 2012, 18-29 December 2019
- 5 Department of Mathematics, National Taiwan University, Taipei, Taiwan. 1-10 July 2012
- 6 Department of Industrial Engineering, St Universidad de Castilla la Mancha, Spain, 15-24 March 2015, 20 August-20 September, 2015 and 20 June-21 July, 2016
- 7 Online Adjunct Professorship offered, Central South University, Changsha City, Hunan Province, China, Summer 2022. [DECLINED]
- 8 Department of Statistics, National Cheng Kung University, Tainan, Taiwan, up to 3 months per year, July 2023-December 2025.

### Editorships

- 1 Member, Editorial Board for the Journal of Statistical Planning and Inference-special issue; "Experimental Design Theory" at the 2nd Symposium on Simulation at St. Petersburg State University, Russia, 1996
- 2 Associate Editor, Biometrics, 2000-2010
- 3 Associate Editor, Statistica Sinica, 2000-2002
- 4 Associate Editor, Communications in Statistics, Simulation and Computation, 2003-2018
- 5 Associate Editor, Communications in Statistics, Theory and Methods, 2003-2018
- 6 Associate Editor, Advances and Applications in Statistical Sciences, 2008-present
- 7 Guest Editor, Special Issue in "Advances in Statistical Methodology for Analyzing Rheumatic Diseases", Communications in Statistics-Theory and Methods, 2009
- 8 Associate Editor, Biostatistics, Bioinformatics and Biomathematics, 2009-present
- 9 Associate Editor, ISRN Rheumatology, 2010-2013
- 10 Associate Editor, Journal of Biometrics and Biostatistics, 2010-present
- 11 Associate Editor, Journal of Data Science, 2011-2014
- 12 Associate Editor, Journal of Statistical Planning and Inference, 2011-2022
- 13 Associate Editor, Statistical Methods for Medical Research, 2012-2021
- 14 Associate Editor, Pioneer Journal of Theoretical and Applied Statistics, 2016-present
- 15 Associate Editor, Test (The Statistical Journal of Spain), 2017-present
- 16 Member, PLOS ONE Statistical Advisory Board, 2019-present
- 17 Member, Editorial Board, Annals of Public Health and Research, 2021-present
- 18 Associate Editor, Statistics in Biosciences, 2023-present
- 19 Member, Editorial Board, Scientific Reports, 2023-present
- 20 Associate Editor, Journal of the American Statistical Association, Theory & Methods, 2023-present

### **Consulting Work** (since 2007)

- 1 A small biotech company in Memphis, 2007-2011
- 2 Wellpoint Corporation, Thousand Oaks, California, Jan 2008 – April 2010
- 3 Glaxo Smith Kline Corporation, Oct 2008 – July 2010.
- 4 AbbVie Pharmaceutical Company, 2022-2024

### **Guest Editor/Co-editor of Special Issues:**

- 1 Guest Co-Editor, Special Issue: “Optimal Experimental Design and Statistical Modeling” for the journal Mathematics, MDPI Publications (2022-2023).

### **Special Invited Lectures**

- 1998 Keynote Speaker, Conference in Applied Statistics, University of Salamanca, Salamanca, Spain, 6-10, July. Talk Title: Biostatistics in USA: Training programs and Opportunities in the Health Sciences.
- 2004 Keynote Speaker, 14<sup>th</sup> Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) Conference, University of Maastricht, The Netherlands, 9-10 December. Talk Title: An Overview and Recent Advances in Optimal Design of Experiments with Applications.
- 2004 Invited Speaker, Toxicology Program, Department of Environmental Health Services, UCLA.
- 2008 Nominated Distinguished Speaker, Pacific Institute of Mathematical Sciences, University of Victoria, British Columbia, Canada, November, 19 September. Talk title: Recent Advances in Optimal Experimental Designs.
- 2009 Plenary Speaker, International Conference on Experimental Designs, Guangzhou University, Guangzhou, China, 17-19 July. Talk Title: Optimal Experimental Designs.
- 2009 Nominated Invited Speaker, Signature Seminar Series, Duke University-National University of Singapore Graduate Medical School, Singapore, 3 November. Talk title: Optimal Design Techniques for Health Sciences.
- 2011 Nominated Invited Speaker for the Academy Colloquium at the Royal Netherlands Academy of Arts and Sciences, Amsterdam, 26-28 April. Talk title: Multiple-Objective Optimal Designs.
- 2012 Keynote Speaker, Annual Joint Biostatistics Symposium sponsored by Ohio State University-Cleveland Clinic Foundation-Case Western Reserve University, The Ohio State University, Columbus, Ohio. 17 May. Talk Title: Nature-Inspired Meta-Heuristic Algorithms for Generating Optimal Experiment Designs.
- 2012 Invited Speaker, Undergraduate Colloquium for Mathematical Sciences, Department of Mathematics and Statistics, Loyola University, Chicago, 10 September. Talk Title: Using Animal Instincts to Design More Efficient Drug Studies.
- 2012 Instructor, 1-day Short Course. Amgen Inc., Thousand Oaks, California. November 6. Course Title: Optimal Dose Response Designs.
- 2014 Invited Speaker, Joint Statistics and Biostatistics Departments Seminar, UC Davis, 22 April. Talk Title: Using Animal Instincts to Design More Efficient Drug Studies.
- 2014 Invited Biostatistics Workshop Speaker, Stanford University, 15 May.

- 2015 Invited Participant and Speaker at Design Workshop: "Design and analysis of experiments in healthcare", Isaac Newton Institute for Mathematical Sciences in Cambridge, UK 6-10 July. (This is a follow-up to the 6-month program on "Design and analysis of experiments" held at Isaac Newton Institute in 2011, and I served as a member of the 5-member team of Scientific Advisors.)
- 2016 Invited Speaker, China Heart Congress Conference, China National Convention Center, Beijing, China 11-14 August. Talk Title: Design, Data Management, and Safety Issues for Cardiology Clinical Trials.
- 2023 Invited Instructor, 1-week Workshop at the Research Technical Group Toxicology Center, Technical University, Dortmund, Germany. Gave 5 2-hour lectures to faculty, post-docs, doctoral students and MS students in the Department of Statistics; Division of Toxicology, 22-26 May.
- 2024 One of the 8 Invited Speakers for the 17th Annual Workshop on Clinical Trial Issues in the School of Medicine, The University of Pennsylvania. 17 April. (and only 8 speakers in the workshop). Talk Title: Nature-Inspired Meta-Heuristic Algorithms for Constructing Efficient Designs for Clinical Trials.
- 2024 Invited Speaker, 45<sup>th</sup> Society of Clinical Trials Annual Meeting, Boston, 19-22 May. Talk Title: Particle Swarm Techniques for Finding More Flexible and Realistic Clinical Trials.
- 2025 Keynote Speaker for the Academician Yuan-Shih Chow Lecture at the 34th South Taiwan Statistics Conference at the Sanxia Campus of the National New Taipei University, Taipei, 19-20 June. *[This conference is the largest statistics conference in Taiwan in terms of the number of attendees.]* Talk title: Particle Swarm Optimization as a General-Purpose Optimization Tool for Statistical Applications.
- 2025 Invited Instructor for a 1-day short course on Optimal Experimental Designs at the Department of Statistics, Seoul National University, Seoul, S. Korea, 4 July.
- 2025 Invited Speaker, Journal Club Online Presentation based on my paper [265] published in Pharmaceutical Statistics with Alan Vazquez, a former and minority lecturer at UCLA, Statistics Department, 9 September.

### Other Professional Experience

- 1 Member, Scholarship Committee for The Singapore Club, Los Angeles, 1992-1996, 2000-2002, 2005-2006
- 2 Staff Member, Mathematical Reviews, Division of the American Mathematical Society, University of Michigan, Ann Arbor, 1994-2000
- 3 IMS Local Arrangements Representative for the joint 233rd IMS/WNAR meeting, 27-29 June 1994 (IMS=Institute of Mathematical Sciences, WNAR=Western Northern American Region)
- 4 Invited Participant at the NSF-CBMS Regional Research Conference "Longitudinal Data Analysis" at the University of Missouri-Columbia, 10-14 June 1997
- 5 Invited Participant, Design and Analysis Conference 1, Vancouver, Canada, 14-18 July 2002
- 6 Program Coordinator, WNAR of the International Biometrics Society, 2003-2012
- 7 Member, Scientific Committee for the International Chinese Statistical Association Conference (ICSA) in La Jolla, California, 22-24 J 2004
- 8 Member, Advanced Program Statistics Reader, American Statistical Association, 2005-2006
- 9 Member, Fisher Lectureship Award Committee, American Statistical Association, 2003-2006
- 10 Member, Committee on Meetings, American Statistical Association, 2007-2010
- 11 Member, Scientific Advisory Board of a Pharmaceutical Company in Tennessee, 2007-2012
- 12 Member, Steering Committee for a Drug Development Phase IIB Clinical Trial, Memphis,

2010-2012

- 13 Member, Scientific Advisory Board for Singapore Clinical Research Institute, July 2010-2000
- 14 Member, Data Safety Monitoring Board (DSMB) for a Phase I Trial for Pre-Term Neonates, UCLA, August 2010-2014
- 15 Member, International Biometrics Society, Strategic Plan Committee, 2010-2016
- 16 Member, Kaiser Permanente, Center for Health Equity, UCLA, 2010-present
- 17 Member, External Review Committee, Biostatistics Program at Oregon Health and Science University, 13-15 June 2011
- 18 Invited Participant, Workshop on Survey Sampling and Small Area Estimation Techniques at the Banff International Research Station, Banff, Alberta, Canada, 10-15 July 2014
- 19 Reviewer, Talk Abstracts for AAAS Annual Conference, 2015, 2025
- 20 Member, International Biometrics Society Financial Committee, 2016-2020
- 21 Chair, External Review Committee, Master Statistics Program at University of Utah, 2016
- 22 Appointed Data Safety Monitoring Board Member by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health for the trial "Safety & Suitability of Dabigatran to Inhibit Thrombin in Scleroderma", 2016-2019.
- 23 Member, Quantum Computing Committee, American Statistical Association, 2018-2020
- 24 Special Awards Judge at the 2022 Intel International Science and Engineering Fair organized by Regeneron; an activity event of the American Statistical Association (ASA), 28 April - 5 May 2022. (First prize for the student winner is \$250,000!)
- 25 Reviewer, Talk Abstracts for the Annual Association of Schools and Programs of Public Health (ASPPH) meeting, 2024, 2026.
- 26 Statistical Consultant, Statistical Advisor/Mentor for the 2025 Research Colloquium, American Psychiatry Association Annual Meeting, Los Angeles, May 17-18, 2025.

## **1 RESEARCH**

### **IA Grants**

Over the years, Dr. Wong has received grant support from numerous sources, and they include The National Institutes of Health (NIH), CDC, FDA, National Cancer Institute, Robert Wood Foundation, Scleroderma Foundation and the Lupus Foundation of America. The projects include research in dentistry, environmental health science, nutrition study for breast cancer patients, cancer control and prevention in melanoma, colon and prostate cancer. Some grants are targeted at a selected population. For instance, liver cancer in the American Asian community and health disparities issues and intervention programs to fight obesity in African American and Latino communities in Southern California. His early collaborative work has a focus in rheumatology, namely, in rheumatoid arthritis, scleroderma and lupus. He served as lead statistician on two federally funded multi-center two-arm randomized control trials in scleroderma that led to a senior investigator's grant award from the Scleroderma Foundation.

Dr. Wong has expertise in the construction of various types of efficient designs for biomedical studies and is now widely recognized as a top researcher in the area. He has received multiple R01 grants from NIH as a PI to do innovative work in design. His latest research includes applications of optimal design ideas to find optimal subsampling strategies from big data and constructing web-based design tools for finding more effective Bayesian

designs for modern molecularly targeted oncology trials, such as, Basket, Umbrella and Platform trials using Particle Swarm Optimization (PSO). He is also currently conducting theoretical work for improving modal regression techniques and making consensus-based algorithms more effective using PSO. Below is a list of my selected grant awards; some have partial information and there may be others missing as well. This is because some of them are old and repeated attempts to retrieve information have not materialized.

**Pending:**

American Cancer Society (Research Scholar Grant) 10/1/2026-9/30/2030

Title: Boosting Cancer Trial Discovery with Next-Generation Optimal and Minimax designs

Description: The proposed research is to develop more flexible and effective methods for designing modern oncology trials, including basket, uniform and platform trials that investigate the effectiveness of one or more drugs for treating one or more diseases in the same trial. We use nature-inspired metaheuristics to tackle the challenging computational problems based on our recent work where we had developed multi-stage Bayesian adaptive designs that calculate optimal interim looks and boundaries and find a compromised design that balances sample size and power expectations.

**PI:** Shouha Zhao (Division of Biostatistics and Bioinformatics, The Pennsylvania State University)

Role: co-Investigator

Food Drug & Administration BBA 08/01/2026-7/31/2030

Title: Modernizing Group Sequential Designs for Rare Diseases

Description: A key issue for rare diseases is that sample sizes are small. Use of mixed integer programming and how to hybridize mathematical programming methods with metaheuristics are expected to be the main optimization tools to study and construct group sequential designs for this proposal.

**PI:** Shouha Zhao (Division of Biostatistics and Bioinformatics, The Pennsylvania State University)

Role: Consultant

HRSA (DHHS-HRSA D88HP39034) 07/1/2026-6/30/2028

Title: Community Access, Reach, and Education in Pediatric Dentistry (CARE-PD)

Description: Teaching 1<sup>st</sup> and 2<sup>nd</sup> year residents in the pediatric dentistry program basic biostatistics and clinical trials 2 hours per academic year.

**PI:** Ramos-Gomez (School of Dentistry, UCLA)

Role: Instructor

Proyectos Fondecyt Regular 02/01/2026-1/31/2028

Title: Large Scale Adaptive Learning for Dynamical Networks

Description: To do follow up work with our 34-page paper published in a top computer science journal. We plan to create more innovative results for applications to large scale adaptive learning in dynamical networks.

**PI:** Milan Stehlík (Professor at University of Valparaíso, Valparaíso, Chile)

Role: Co-Investigator

NIH K12

06/01/2026-05/30/2029

Title: Clinician-Scientist Eye Training (C-SET) Program

Description: The purpose of this application is to provide mentorship to researchers in the institute, particularly for junior researchers.

**Co-PIs:** Drs. Coleman and Aldave (Jules Stein Eye Institute, Department of Ophthalmology, UCLA)

Role: Mentor/Consultant

NCI R21

07/01/2026-06/30/2028

Title: Fast Optimization Tool Development using Meta-heuristics" targeting

Description: The goals are to innovate optimal and minimax designs for constructing modern clinical trials with particular emphasis on molecularly targeted trials, such as umbrella, platform and basket trials in precision medicine.

**PI:** Shouha Zhao (Division of Biostatistics and Bioinformatics, The Pennsylvania State University)

Role: Statistical Consultant

**Current:**

Agencia Española de Investigación (AEI)

08/01/2025-08/31/2028

PID2024-156302OB-I00

Title: Model-Based Experimental Designs: Applications in Biomedicine and Machine Learning

Description: To innovate and repurpose traditional designs using nature-inspired metaheuristic algorithms for modern applications.

**co-PIs:** Jesús López Fidalgo (Universidad de Navarra, Spain) and José Anotnio Moler Cuiral (Universidad de Navarra, Spain)

Amount: 250,500 euros

Role: Co-Investigator

UCLA College of Science

09/01/25-12/31/2025

Fiat Lux Grant

Title: Alternative Medicines: Tai Chi and Kung Fu

Description: The goal is to for students to experience firsthand the salubrious effects of Tai Chi and to learn the uncanny connection between health and martial arts. Systematic reviews have examined the effects of Tai Chi on improving physical and psychological health parameters in healthy college students.

**PI:** Wong, W. K.

Amount: \$1,500

UCLA College of Science

09/01/25-06/30/2026

Fiat Lux Grant

Title: Tai Chi for Innovation and Entrepreneurial Thinking

Description: This interdisciplinary seminar explores how the embodied practice of Tai Chi can enhance creativity,

resilience, and strategic clarity in innovation and entrepreneurship. Students will engage in weekly movement training (fundamentals, simple routine, and two people interactive practice) alongside guided readings and reflective discussions.

**PI:** Wong, W. K.

Amount: \$3,000

Tecnologico de Monterrey - Monterrey

09/01/2025-08/31/2027

Title: Precision Medicine Trial Planner (PMTP): Harnessing OriGen Data for Cost-Effective Clinical Trials in Precision Medicine

Description: We propose developing PMTP, a software to plan cost-efficient clinical trials for precision medicine. PMTP will integrate novel algorithms founded in experimental design theory to construct attractive two- and multi-arm trials conducted in one or multiple centers. With the collected data from the trial, PMTP will build precision medicine systems that assign personalized treatments to subjects using machine learning. PMTP will facilitate the application of precision medicine research.

**PI:** Alan R. Vazquez (Tecnologico de Monterrey - Monterrey, Mexico)

Amount: \$75,000

Role: Co-Investigator

**IB Refereed Publications:** (I have 156 coauthors in statistics papers outside of UCLA from 21 countries, and 126 coauthors at UCLA. Details are in the separate listings of collaborators)

- 1 **Wong, W. K.** (1992). A Unified Approach to the Construction of Mini-Max Designs, Biometrika, Vol. 79, # 3, 611-620.
- 2 **Wong, W. K.** and Cook, R. D. (1993). Heteroscedastic G-optimal Designs, Journal of the Royal Statistical Society, Series B, Vol. 55, #4, 871-880.
- 3 **Wong, W. K.** (1993). Minimal Number of Support Points for Heteroscedastic Optimal Designs. Statistics & Probability Letters, Vol. 17, #5, 405-409.
- 4 Gritz, E., Carr, C., Chang, C., **Wong, W. K.**, et al. (1993). Predictors of Long-Term Smoking Cessation in Head and Neck Cancer Patients. Cancer Epidemiology, Biomarkers and Prevention, Vol. 2, 261-270.
- 5 Cook, R. D. and **Wong, W. K.** (1994). On the Equivalence of Constrained and Compound Optimal Designs. Journal of the American Statistical Association, Vol. 89, #426, 687-692.
- 6 **Wong, W. K.** (1994). Comparing Robust Properties of A, D, E and G-optimal Designs. Computational Statistics and Data Analysis, Vol. 18, 441-448.

- 7 **Wong, W. K.** (1994). Multifactor G-optimal Designs with Heteroscedastic Errors. Journal of Statistical Planning and Inference, Vol. 40, 127-133.
- 8 **Wong, W. K.** (1995). Comments on discussion paper "Constrained Optimization of Experimental Design" by R. D. Cook and V. Fedorov, Statistics, Vol. 26, 129-178.
- 9 Huang, M. N. L. Chang, F. C. and **Wong, W. K.** (1995). D-optimal Designs for Polynomial Regression without an Intercept. Statistical Sinica, Vol. 5, # 2, 441-458.
- 10 Dette, H. and **Wong, W. K.** (1995). Recurrence Moment Formulas for D-optimal Designs. Scandinavian Journal of Statistics, Vol. 22, #4, 505-512.
- 11 **Wong, W. K.** (1995). On the Equivalence of D and G-optimal Designs in Heteroscedastic Models. Statistics and Probability Letters, Vol. 25, 317-321.
- 12 Attanasio\*, M. and **Wong, W. K.** (1995). Transformation for Stabilizing Spread in a Time Series Model: A Comparative Study. Journal of Statistical Simulation and Computation, Vol. 52, 55-70.  
(\*Visiting Post-doc with Dabrowska, Department of Biostatistics, UCLA)
- 13 Dette, H. and **Wong, W. K.** (1995). On G-efficiency Calculation for Polynomial Models. The Annals of Statistics, Vol. 23, # 6, 2081-2101.
- 14 **Wong, W. K.** (1995). A Graphical Approach for Constructing Constrained D and L-Optimal Designs Using Efficiency Plots. Journal of Statistical Simulation and Computation, Vol. 53, 143-152.
- 15 **Wong, W. K.** and Lachenbruch, P. A. (1996). Designing Studies for Dose Response. Statistics in Medicine, Vol. 15, 343-360.
- 16 Dette, H. and **Wong, W. K.** (1996). Robust Optimal Extrapolation Designs for Polynomial Models. Biometrika, Vol. 83, # 3, 667-680.
- 17 Berman, N., **Wong, W. K.**, Bhasin, S. and Ipp, E. (1996). Applications of Segmented Regression Models for Biomedical Studies. American Journal of Physiology: Endocrinology and Metabolism, Vol. 470, Issue 4, E723-732.
- 18 Dette, H. and **Wong, W. K.** (1996). Bayesian Optimal Designs for Models with Partially Specified Heteroscedastic Structure. The Annals of Statistics, Vol. 24, # 5, 2108-2127.

- 19 **Wong, W. K.**, Lachenbruch, P. A. and Clements, P. J. (1996). On Choice of Subjects and Replicates in Estimating Among and Within Subject Variation. Biometrical Journal, Vol. 38, #7, 767-777.
- 20 **Wong, W. K.** (1996). On Choice of a Uniform Design in Polynomial Regression Modkhadels. Sankhya. Series B, Vol 58, #3, 396-406.
- 21 Berkanovic, E., Oster\*, P., **Wong, W. K.**, Bulpitt, K. Clements, P., Sterz, M. and Paulus, H. (1996). The Relationship Between Social Economic Status and Recently Diagnosed Rheumatoid Arthritis. Arthritis Care and Research, Vol. 9, #6, 457-462.  
(\*PhD student, Department of Community of Health Sciences, UCLA)
- 22 **Wong, W. K.** (1996). How Robust are G-optimal Designs to Heteroscedasticity? 2nd International Workshop on Mathematical Methods in Stochastic Simulation and Experimental Designs, editors Ermakov, S. M. and Melas, V. B., Publishing House of St. Petersburg University, 269-273.
- 23 Schwabe, R. and **Wong, W. K.** (1997). A Relationship between Efficiencies of Marginal Designs and Product Designs. Metrika, Vol. 45, #3, 253-258.
- 24 King\*, J. and **Wong, W. K.** (1998). Optimal Minimax Designs for Prediction in Heteroscedastic Models. Journal of Statistical Planning and Inference. Vol. 69, #2, 371-383.  
(\*My PhD student, 1996)
- 25 Song\*, D. and **Wong, W. K.** (1998). Optimal Two-Point Designs for the Michaelis-Menten Model with Heteroscedastic Errors. Communications in Statistics-Theory and Methods, Vol 27, #6, 1503-1516.  
(\*My PhD student, 1997)
- 26 Song\*, D. and **Wong, W. K.** (1998). On the Construction of Grm-optimal Designs. Statistica Sinica, Vol. 9, #1, 263-272.  
(\*My PhD student, 1997)
- 27 Huang\*, Y. C. and **Wong, W. K.** (1998a). Sequential Construction of Multiple-Objective Designs. Biometrics, Vol. 54, #4, 1388-1397.  
(\*My DrPH student, 1996)
- 28 Huang\*, Y. C. and **Wong, W. K.** (1998b). Multiple-Objective Optimal Designs. Journal of Biopharmaceutical Statistics, Vol. 8, #4, 635-643.  
(\*My DrPH student, 1996)

- 29 Dette, H. and **Wong, W. K** (1998). Bayesian D-optimal Designs on a Fixed Number of Design Points for Heteroscedastic Polynomial Models. Biometrika, Vol. 85, #4, 869-882.
- 30 Zhu\*, W., Ahn, H. and **Wong, W. K.** (1998). Multiple-Objective Optimal Designs for the Logit Model. Communications in Statistics-Theory and Methods, Vol 27, #6, 1581-1592.  
(\*My PhD student, 1996)
- 31 Montepiedra, G. and **Wong, W. K** (1998). Optimal designs for Models with Ignored Heteroscedasticity. MODA 5 - Advances in Model-Oriented Data Analysis and Experimental Design; editors: Atkinson, Pronzato and Wynn; Physica-Verlag; A Springer-Verlag Company, 59-66.
- 32 Zhu\*, W. and **Wong, W. K** (1998). On the Equal Allocation Rules in Quantal Dose Response Experiments. MODA 5 - Advances in Model-Oriented Data Analysis and Experimental Design; editors: Atkinson, Pronzato and Wynn; Physica-Verlag; A Springer-Verlag Company, 93-101.  
(\*My PhD student, 1996)
- 33 Dette, H. and **Wong, W. K** (1998). E-optimal designs for the Michaelis-Menten Models. 3rd International Workshop on Mathematical Methods in Stochastic Simulation and Experimental Design; editors Ermakov, S. M. and Melas, V. B.; Publishing House of St. Petersburg University, 148-152.
- 34 Zhu\*, W. and **Wong, W. K** (1998). Multiple-Objective Designs for Dose Response Experiment. New Developments and Applications in Experimental Design. IMS Lecture Notes-Monograph Series Vol. 3; editors: Flournoy, N., Rosenberger, W. F. and Wong, W. K., 73-82.  
(\*My PhD student, 1996)
- 35 **Wong, W. K.** (1999). Recent Advances in Constrained Optimal Design Strategies. Statistica Neerlandica, (Invited paper) Vol. 53, #3, 257-276.
- 36 Ardanuy, R., Lopez-Fidalgo, J., Laycock Patrick and **Wong, W. K.** (1999). When Is a Equally-Weighted Design D-optimal? Annals of Institute of Mathematical Statistics, Vol. 51, #3, 531-540.
- 37 Dette, H. and **Wong, W. K** (1999). E-optimal Designs for the Michaelis-Menten Models. Statistics and Probability Letters, Vol. 44, 405-408.
- 38 Clements, P. J., **Wong, W. K.**, Hurwitz, E. L., Furst, D. E., Mayes, M., White, B., Wigley, F., Weisman, M. H., Barr, W., Moreland, L., Medsger, T. A., Steen, V., Martin, R. W., Collier, D., Weinstein, A., Lally, E., Varga, J., Weiner, S., Andrews, B., Abeles, M. and Seibold, J. R. (1999).

Correlates of the Disability Index of the Health Assessment Questionnaire: A Measure of Functional Impairment in Systemic Sclerosis (SSc). Arthritis and Rheumatism, Vol. 42, 2372-2380.

- 39 Schwabe, R. and **Wong, W. K.** (1999). Efficiency Bounds for Product Designs in Linear Models. Annals of Institute of Mathematical Statistics, Vol. 51, #4, 723-730.
- 40 Kapur, K. K., Garrett, N. R., Hamada, M. O., Roumanas, E. D., Freymiller, E., Han, T., Diener, R. M., **Wong, W. K.** and Levin, S. (1999). A Randomized Clinical Trial Comparing the Efficacy of Mandibular Implant-supported Overdentures and Conventional Dentures in Diabetic Patients. Part III: Comparisons of Patient Satisfaction. Journal of Prosthetic Dentistry, Vol. 82, 416-427.
- 41 Wong, A. L., **Wong, W. K.**, Harker, J., Bulpitt, K., Park\*, G., Ramos\*\*, B., Clements, P., Sterz, M., and Paulus, H for the Western Consortium of Practicing Rheumatologists. (1999). Patient Self-Report Tender and Swollen Joint Counts In Early Rheumatoid Arthritis. The Journal of Rheumatology, Vol. 26, #12, 2551-2561.  
(\*My DrPH student, 2007, \*\* My MS student, 1998)
- 42 Dette, H. and **Wong, W. K.** (1999). Optimal Designs when the Variance is a Function of Its Mean. Biometrics, Vol. 55, #3, 925-929.
- 43 Clements, P. J., Furst D. E., **Wong, W. K.** Mayes, M., White, B. Wigley, F., Weisman, M. M., Barr, W., Moreland, L., Medsger, T., Steen, V. Jr., Martin, R., Collier, D., Weinstein, A., Lally, E., Varga, J., Weiner, S., Andrews, B., Abeles, M. and Seibold, J. R. (1999). High-Dose versus Low-Dose D-penicillamine in Early Diffuse Systemic Sclerosis: Analysis of a Two Year Double-Blind, Randomized Controlled Clinical Trial. Arthritis and Rheumatism, Vol. 42, 1194-1203.
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(\*2<sup>nd</sup> year current PhD student, Department of Biostatistics, \*\*MS student, Department of Biostatistics in 2014 and PhD, Department of Statistics, UCLA, 2019)
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(\*Undergraduate from National Tsinghua University, Taiwan, supported by my Yushan Grant in summer 2024 and now a graduate student at the University of Chicago, Statistics Department)
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(\*PhD student and \*\*Post-doc of my long-term collaborator Lopez-Fidalgo in Spain)

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(\*Master student at the National Cheng Kung University, Tainan, Taiwan)
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(\*Current PhD students of my new collaborator Zhou at the Department of Public Health Sciences, Penn State University)

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- 311 Tseng\*, H. Y. (Angel) and **Wong, W. K.** Meta-analysis in Clinical Trials: A Guide to the Principles and Application of Meta-analysis. European Journal of Epidemiology (2026). Under Review.  
(\*2<sup>nd</sup> year Biostatistics MS student, paper was based on Class Report for Biostat 238 on Clinical trials in Spring 2025)
- 312 Wu\*, K. and **Wong, W. K.** (2026). Optimal Local Exchangeability Two-Stage Designs for Basket Trials with Aggregated Futility Analysis. Journal of Clinical Oncology: Precision Medicine. Under Revision.  
(\*PhD Biostatistics student, paper was based on Class Report for Biostat 238 on Clinical Trials in Spring 2025)
- 313 Wang, T. and **Wong, W. K.** (2025). Doubly Debiased Robust Subsampling for Transfer Learning. Journal of Machine Learning Research. In press.
- 314 Wang, T. and **Wong, W. K.** (2025). Functional Optimal Transport for Multivariate Curves with Diffusion-Driven Particle Swarm Optimization. Journal of Computational and Graphical Statistics. Under Review.
- 315 Wang, T. and **Wong, W. K.** (2025). PSO-OT: Particle Swarm Optimization for Entropic Optimal-Transport Functional Linear Regression. Journal of Machine Learning Research. Under Review.
- 316 Liu, V., Ahn, J. and **Wong, W. K.** (2025). Enhanced Cancer Drug Response Prediction Using Particle Swarm Optimization with Splines. BMC Cancer. Under Review.
- 317 Wang, T. and **Wong, W. K.** (2025). PSO-FDR: Particle Swarm Optimization for Functional Dimension Reduction. Journal of Computational and Graphical Statistics. Under Revision.

- 318 Liu, V., Wu, Y. and **Wong, W. K.** (2025). Continuous Glucose Monitoring Metrics Enhance Prediction of Type 1 Diabetes Complications Without Direct Biomarkers. Journal of Diabetes and Its Complications. Under Review.
- 319 Wang, T. and **Wong, W. K.** (2026). Distributionally Robust Transport Planning with Entropy-regularized Optimal Transport. Annals of Applied Statistics. Under Review.
- 320 Wang, T. and **Wong, W. K.** (2026). Population Stability and Generalization Theory for Learning-Assisted Swarm Optimization. IEEE Transactions on Evolutionary Computation. Under Review.
- 321 Wang, T. and **Wong, W. K.** (2026). Transport-Induced Information Geometry for Distributional Learning. Journal of Machine Learning Research. Under Review.
- 322 Liu, V., Wu, Y. and **Wong, W. K.** (2026). Penalized Fractional Polynomials via Mixed Models: A Flexible Approach for Non-Linear Longitudinal Data in Biomedical Research. Biostatistics and Epidemiology. To be submitted.
- 323 Xu, J., Shen, A., van Eijk, R. P. A., Mustsvari, T. van Dijk, M. **Wong, W. K.**, Nelson, L. M., Tian, L., Sarno, M and Lu, Y. (2026). Optimal Two-Step Hybrid Design for Equivalence Boundary Selection Under Type I Error, Power and Sample Size Constraints. Statistics in Biopharmaceutical Research. Under Review.
- 324 Tong, L. and **Wong, W. K.** (2026). Differential evolution variants for searching D- and A-optimal designs for nonlinear models in the bioscience. Statistics and Computing, Vol. 36, 104 <https://doi.org/10.1007/s11222-026-10833-9>
- 325 Lee, I-Chen and **Wong, W. K.** (2026). Commentary on Discussion Paper “Regression by Composition” by Farewell, D., Daniel, R., Stensrud, M. and Huitfeldt, A. Journal of the Royal Statistical Society, Series B. To be submitted.
- 326 Wang, T., **Wong, W. K.** and Zhong, X. (2026). Certified Policy Unlearning in Reinforcement Learning. Journal of Machine Learning Research. Under Review.
- 327 Liu, X., Sun, Z. S. and Wong, W. K. (2026). Optimality Criteria for Prediction of a Function of the Mean Response in Mult-response Linear Models. Statistica Sinica. Under Review.

#### **Summary via Google Scholar readings:**

As of 2/27/26, my publications have 11,243 citations, an h-index of 55 and an i10-index of 194. Since 2021, the corresponding numbers are 3791, 31, and 107, respectively.

#### **IC Books / Monographs:**

- a. Flournoy, N., Rosenberger, W. F. and **Wong, W. K.** (1998). Co-editors. New Developments and

Applications in Experimental Design. IMS Lecture Notes-Monograph Series Vol. 3.

- b. Berger, M. P. F. and **Wong, W. K.** (2005). Co-editors. Applied Optimal Designs. John Wiley & Sons.
- c. Berger, M. P. F. and **Wong, W. K.** (2009). An Introduction to Optimal Designs with Applications to Social and Biomedical Research. John Wiley & Sons.

### **Recent Poster Presentations**

- 1 Liu, Y., Wang, W., **Wong, W. K.** and Zhu, W. (2025). International Conference on Health Policy Statistics. Statistical Innovation to Improve Health Equity, January 6-8, 2025, San Diego, CA.

### **1D Book Review:**

1. Regression with Graphics; A second course in applied statistics by Lawrence C. Hamilton, Journal of the American Statistical Association (1993), Vol. 88, 383-384.
2. Statistical Linear Models by Stapleton, James H., Journal of the American Statistical Association (1996), Vol. 91, 909-910.
3. The Practice of Data Analysis; Essays in Honor of John Tukey, editors: Brillinger, Ferholz and Morgenthaler. Statistics in Medicine (1997). Princeton University Press.
4. Book Reviewer for Springer-Verlag Company (1998).
5. Book Reviewer for Springer-Verlag Company (2001).
6. Book Reviewer for Springer-Verlag Company (2014).
7. Book Reviewer for Springer-Verlag Company (2018).
8. Book Reviewer for Chapman-Hall Company (2019).
9. Book Reviewer for Elsevier: Recent Trends in Swarm Intelligence Enabled Research and Applications, (2022).
10. I-Optimal Design of Experiments using R. Springer (2025).

### **IE Reviewer for Scientific Journals:**

Below are scientific papers that I had refereed for about 85 journals to date, and repeatedly for many of these journals. The list and numbers below exclude papers that I have handled separately as an associate editor, which averages about 7 papers or more per year. The number in parentheses next to the year indicates the number of times I had reviewed a distinct paper for the journal:

- 1 Annals of Applied Statistics, 2025(1)
- 2 Behavior Research Methods, 2015(1)
- 3 Biometrika, 1992(1), 2021(1)
- 4 Biometrical Journal, 2009(1), 2011(1)
- 5 Biometrics, 2019(2), 2023(1)
- 6 BMC Medicine, 2019(1)
- 7 BMC Medical Research Methodology, 2019(1)

- 8 Canadian Journal of Statistics, 1998(1), 2002(1), 2003(1), 2004(1), 2025(1), 2026(1)
- 9 Chemometrics and Intelligent Laboratory Systems, 2017(1)
- 10 Clinical Trials, 2007(1)
- 11 Communications in Statistics, Theory and Methods, 1991(1), 2003(1), 2020 (2), 2001(1).
- 12 Communications in Statistics, Simulations and Computations, 2000(1), 2002(1), 2009(1), 2010(1), 2025(1)
- 13 Computational Statistics and Data Analysis, 1994(1), 2003(3), 2006(2), 2009(1), 2012(1), 2016(2), 2017(3)
- 14 Computer Methods and Programs in Biomedicine, 2012(1), 2015(1)
- 15 COMPSTAT, 2004(1)
- 16 Contemporary Clinical Trials, 2009(2), 2010(2), 2011(2), 2012(1)
- 17 Controlled Clinical Trials, 2002(1)
- 18 Educational Research and Review, 2011(1)
- 19 Entropy, 2015(1)
- 20 Journal of Applied Statistics, 2008(1)
- 21 Journal of Applied Stochastic Models in Business and Industry, 2015(1)
- 22 Journal of Biopharmaceutical Statistics, 2018(1)
- 23 Journal of Computational and Graphical Statistics, 2015(1), 2018(1),2021(1), 2024(1)
- 24 Journal of Education and Behavioral and Statistics, 2010(1)
- 25 Journal of Multivariate Analysis, 1997(1), 2001(1)
- 26 Journal of Pharmaceutical Statistics, 2016(1)
- 27 Journal of Society of Clinical Trials, 2007(1), 2008(1)
- 28 Journal of Statistical Computing and Simulation, 1992(1)
- 29 Journal of Statistical Modelling, 2006(1)
- 30 Journal of Statistical Planning and Inference, 1991(1), 1996(1), 1997(3), 1998(1), 2000(1), 2002(1), 2003(1), 2004(3), 2005(2), 2008(1), 2009(1), 2011(2), 2012(1), 2019(1)
- 31 Journal of the American Statistical Association, 1993(2), 2002(1), 2006(1), 2010(1), 2011(1), 2014(1), 2023(1)
- 32 Journal of the Korean Statistical Society, 2023(1), 2024(1), 2025(2)
- 33 Journal of Multivariate Analysis, 2019(1)
- 34 Journal of the Royal Statistical Society, Series B, 1994(1), 1995(1), 1996(1), 2023(1)
- 35 Journal of the Royal Statistical Society, Series C, 2013(1)
- 36 Metrika, 2011(1)
- 37 Open Journal of Statistics, 2017(1)
- 38 Operations Research Journal, 2025(1)
- 39 PLOS ONE, 2017(1), 2018(1)
- 40 Psychometrika, 2000(1), 2021(1)
- 41 R. C. Bose Birthday Celebration Research Volume, 2003(1)
- 42 Research in Statistics, 2023(1)
- 43 Science China Mathematics, 2013(1), 2015(1), 2016(1)

- 44 Scientific Reports, 2021(1) 2022(3)
- 45 Statistics, 2008 (1)
- 46 Statistics and Computing, 2011(1), 2015(2)
- 47 Statistics and Probability Letters, 2000(1), 2007(1)
- 48 Statistics in Biosciences, 2019(1), 2021(1), 2024(1)
- 49 Statistics In Medicine, 1992(1), 2001(1), 2006(2), 2008(2), 2009(2), 2010(1), 2011(1),  
2013(3), 2014 (3) 2016 (2), 2017(2), 2018(2), 2019(2), 2022(1), 2023(2)
- 50 Statistical Methods in Medical Research, 2012(2), 2021(1), 2022(2), 2023(1), 2024(1), 2025(2)
- 51 Statistical Papers, 2015(1)
- 52 Statistical Sinica, 1998(1), 1999(1), 2008(2), 2010(1), 2012(2), 2013(1), 2015(1)
- 53 Technometrics, 2004(1)
- 54 Test, 2015(3)
- 55 The Annals of Statistics, 1992(1), 1994(1), 1995(1), 1997(1), 2006(1), 2009(2), 2010(1),  
2011(2), 2012(2), 2013(1)
- 56 The Annals of the Institute of Statistical Mathematics, 1993(1), 1995(1)
- 57 The Journal of Experimental Education, 2019 (1)
- 58 Trials, 2025(1)
- 59 WIREs Computational Statistics, 2025(2)

**Non-statistical journals**

- 1 Arthritis and Rheumatism, 2002(1)
- 2 Current Nanomedicine, 2017(1)
- 3 Engineering Optimization, 2018(1)
- 4 European Journal of Radiology, 2024(1)
- 5 IEEE Transactions on Cybernetics, 2018(1)
- 6 IEEE Xplore, 2019(1), 2024(1)
- 7 IISE Transactions, 2020(1)
- 8 Journal of Biochemical and Biophysical Methods, 2002(1)
- 9 Journal of Chronic Disease, 2007(1), 2008(1)
- 10 Journal of Industrial Management & Data Management, 2014(1)
- 11 Journal of International of Applied Mathematics & Computations, 2001(1)
- 12 Journal of the Australian Mathematical Society, Series B: Applied Mathematics, 2001(1)
- 13 Methods of Information in Medicine (2014)
- 14 Mathematical Reviews, 1995(1), 1996(2), 1997(3), 1999(2)
- 15 Natural Computing, 2015 (1)
- 16 Neural Computing and Applications, 2017 (1), 2018(1), 2022(1)
- 17 Probabilistic Engineering Mechanics, 2015 (1)
- 18 Journal of Pediatric Rehabilitation Medicine, 2020(1)
- 19 SN Operations Research Forum 2021(1)
- 20 British Cancer Research 2021(1)

- 21 Journal of Pediatric Rehabilitation Medicine, 2021(1)
- 22 Clinical Chemistry and Laboratory Medicine, 2022(1)
- 23 Chemometrics, 2023 (1)
- 24 Scientific Reports, 2023(2)
- 25 Journal of Toxicology, 2023(1)
- 26 Respiratory Medicine, 2023(1)
- 27 Preventing Chronic Disease: Public Health Research, Practice, and Policy, 2024(2)
- 28 Artificial Intelligence in Medicine, 2024(1), 2025(1)

**IF A Few Contributed and Mostly Invited Talks at Scientific Meetings/Workshops:**

- 1 Centre de Recherches Mathematiques, University of Montreal, Montreal, Canada, 8 May 1990.
- 2 Workshop on Design of Experiments, University of Tampere, Finland, 2-5 August 1990.
- 3 Joint Statistical Meetings, Boston, 11 August 1992.
- 4 Poster Session, International Biometric Conference, New Zealand, 10 December 1992.
- 5 Model-Oriented and Data Analysis Conference, Spetses, Greece, 4-5 June 1995.
- 6 Invited Poster Session, Bath, England 30-2 July 1995.
- 7 Third World International Society for Bayesian Analysis, Oaxaca, Mexico, 29-30 September 1995.
- 8 Joint Research Conference on Statistics in Quality, Industry and Technology at NIST, Gaithersburg, MD, 29-31 May 1996.
- 9 XII Symposium on Computational Statistics, Barcelona, Spain, 26-30 September 1996.
- 10 IMS Conference, Academia Sinica, Taipei, Taiwan, 7-9 July 1997.
- 11 Sixth Southern Taiwan Conference in Statistics, National Independence University, Taichung, Taiwan, 10 July 1997.
- 12 Joint Statistical Meetings, Anaheim, California, 10-14 August 1997.
- 13 Workshop on Experimental Design, Irsee, Germany, 5-8 October 1997.
- 14 Model-Oriented Data Analysis and Experimental Designs Conference 5, Centre International De Rencontres Mathematiques (CIRM), Marseilles, France, 22-26 June 1998.
- 15 3rd St. Petersburg Workshop on Simulation, St. Petersburg, Russia, 28-3rd July 1998 (two talks)
- 16 Conference in Applied Statistics, Salamanca, Spain, 6-10, July 1998. (keynote address)
- 17 Conference in Applied Statistics, Salamanca, Spain, 6-10 July 1998. (Invited session)
- 18 Joint Statistical Meetings, Dallas, Texas, 8-13 August 1998. (Pharmaceutical Invited Session)
- 19 International Biometric Conference, Cape Town, South Africa, 13-18 December 1998.
- 20 International Biometric Conference, Cape Town, South Africa, 13-18 December 1998. (Invited session)
- 21 Joint Statistical Meetings, Atlanta, Georgia, 8-13 August 2001.(ENAR Invited session)
- 22 International Conference on Applied Statistics, Actuarial Science and Financial Mathematics, University of Hong Kong, Hong Kong, 17-19 December 2002.
- 23 Bernoulli Society East Asian and Pacific Regional (EAPR) Conference 2003, The Hong Kong University of Science and Technology, 18-20 December 2003.
- 24 International Chinese Statistical Association Applied Statistics Conference, La Jolla, 22-24 June 2004.
- 25 Sixth International Chinese Statistical Association International Conference, National University of

- Singapore, Singapore, 21-23 July 2004.
- 26 Joint Statistical Meetings, Toronto, Canada, 6-10 August 2004.
  - 27 14th Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) Conference, University of Maastricht, The Netherlands, 9-10 December 2004. (Keynote Speaker)
  - 28 Topic-Contributed Session, Joint Statistical Meetings, 6-10 August, Seattle, 2006.
  - 29 Statistics, Mathematics and Related Fields Conference, Honolulu, Hawaii, 17-19 January 2007.
  - 30 WNAR Topic-Contributed Session, Salt Lake City, Joint Statistical Meetings, July 29- 2 August 2007.
  - 31 Conference in Celebration of Huang, D. Y. Birthday, Fu-Jen University, Taipei, Taiwan 28-30 December 2007.
  - 32 First International Symposium on Biopharmaceutical Statistics, Shanghai, China, 29-2 July 2008.
  - 33 7th World Congress in Probability and Statistics, National University of Singapore, 15-19 July 2008.
  - 34 International Chinese Statistical Association Applied Statistics Symposium, San Francisco, 21-24 June 2009.
  - 35 The 1st Institute of Mathematical Statistics Asia Pacific Rim Meeting, Seoul National University, Seoul, Korea, 28 -1 July 2009.
  - 36 International Conference on Experimental Designs, Guangzhou University, Guangzhou, China, 17-19 July 2009. (Plenary Speaker)
  - 37 Institute for Mathematical Sciences, National University of Singapore, 26 June 2010.
  - 38 Congreso de Jóvenes Investigadores en Estadística: Diseño de Experimentos y Bioestadística, Universidad de Castilla-La Mancha, Toledo, Spain, 24-26 November 2010.
  - 39 International Workshop on Design, Guangzhou University, Guangzhou, China, 17-18 December 2010.
  - 40 8th International Chinese Statistical Association International Conference, Guangzhou University, Guangzhou, China, 19-22 December 2010.
  - 41 2nd International Symposium on Biopharmaceutical Statistics, Berlin, Germany, 28 February -3 March 2011.
  - 42 The Academy Colloquium at the Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands, 26-28 April 2011.
  - 43 The Academy Colloquium at the Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands, 29 April 2011.
  - 44 The 3rd biennial Canadian Discrete and Algorithmic Mathematics Conference, University of Victoria, British Columbia, 31 May-3 June 2011.
  - 45 International Workshop on Sequential Methods, Stanford University, 14-16 June 2011.
  - 46 The Isaac Newton Institute of Mathematical Sciences, Cambridge, England, 31 August 2011.
  - 47 The Isaac Newton Institute of Mathematical Sciences, Cambridge, England, 9 December 2011.
  - 48 4th International Conference of the ERCIM on Computing & Statistics, University of London, United Kingdom, London, United Kingdom, 17-19 December 2011.
  - 49 Joint Statistical Meetings, San Diego, 1-5 August 2012.
  - 50 Design and Analysis of Experiments Conference, University of Georgia, Athens, Atlanta, 17-21 October 2012.
  - 51 Workshop on Recent Development of Biostatistics and Statistics, Department of Applied Mathematics, Polytechnic University of Hong Kong, Hong Kong, 18-19 December 2012.
  - 52 WNAR-IMS Conference, UCLA, Los Angeles, 16-19 June 2013.
  - 53 Informs Applied Probability and Statistics, San Jose, Costa Rica, 15-17 July 2013.

- 54 The International Conference on Recent Advances in Experimental Designs, Guangzhou, China, 12-16 December 2013. (Keynote speaker)
- 55 International Chinese Statistical Association & Korean International Statistical Society Association, Portland, Oregon, 15-18 June 2014.
- 56 Conference in Design and Analysis of Experiments, Taipei, Taiwan, 4-5 July 2014.
- 57 Department of Mathematics and Statistics, University of Calgary, Calgary, Canada, 28 July 2014.
- 58 International Conference in Interdisciplinary, Statistics and Combinatorics (AISC) University of North Carolina at Greensboro, 10-12 October 2014.
- 59 Workshop on Design and Analysis of Experiments in Healthcare at the Isaac Newton Institute for Mathematical Sciences in Cambridge, UK, 6-10 July 2015. (This is a follow-on to the six-month program on "Design and analysis of experiments" held at Isaac Newton Institute in 2011 that I served as member of the team of Scientific Advisors.)
- 60 Joint Statistical Meetings, Seattle Convention Center, 9-13 August 2015.
- 61 9th Conference of the Asian Regional Section of the IASC (IASC-ARS 2015), National University of Singapore, 17-19 December 2015.
- 62 Invited ENAR Meeting, Austin, Texas, 6-9 March 2016.
- 63 The 4th International Conference on Design of Experiments (ICODOE 2016), Department of Mathematical Sciences, The University of Memphis, Tennessee, 10-13 May 2016.
- 64 The International Chinese Statistical Association, Atlanta, USA, 12-15 June 2016.
- 65 Heart Congress Conference, Beijing University, Beijing, China, 11-14 August 2016.
- 66 The 22nd International Conference on Computational Statistics (COMPSTAT 2016), Oviedo, Spain, 23-26 August 2016.
- 67 1-day Workshop in Design and Machine Learning, Department of Cheng Kung University, Tainan, Taiwan, 14 December 2016.
- 68 The 10th ICSA international conference, Shanghai Jiao Tong University, Shanghai, China, 19-22 December 2016.
- 69 1st International Conference on Econometrics and Statistics (Ecosta 2017), The Hong Kong University of Science and Technology, 15-17 June 2017.
- 70 Institute of Mathematical Sciences, Institute of Mathematical Sciences, National University of Singapore, 19 June-14 July 2017.
- 71 Joint Conference of the Central European Network of the International Biometric Society and the International Society of Biopharmaceutical Statistics, ISBS Vienna, 28-1 September 2017.
- 72 Workshop on "Meeting the Statistical Challenges in High Dimensional Data and Complex Networks" at the Institute for Mathematical Sciences at the National University of Singapore, Singapore, 9-17 February 2018.
- 73 Workshop on "Particle Swarm Optimization Techniques and Evolutionary Computation", Workshop on Particle Swarm Optimization and Evolutionary Algorithms" at the Institute for Mathematical Sciences at the National University of Singapore, Singapore, 20-21 February 2018
- 74 A Workshop on Design at Centre International de Rencontres Mathematiques (CIRM), Marseille, France, 30-4 May 2018.
- 75 COMPSTAT Conference, Lasi, Romania, 28-2 September 2018.

- 76 Cook's Distance and Beyond: a conference celebrating the contributions of R. Dennis Cook to Statistical Science, 22-23 March 2019.
- 77 South Taiwan Statistics Conference, Taichung, Taiwan, 21-22 June 2019.
- 78 Invited Design Session, EcoStat. Conference, Taichung, Taiwan, 25-27 June 2019.
- 79 WNAR Invited Session at JSM, Denver, 31- 4 August 2019.
- 80 Invited Session, ISI, Kuala Lumpur, Malaysia, 18-23 August 2019.
- 81 ICSA Symposium, Houston, 17-20 May 2020. (cancelled due to COVID19)
- 82 WNAR Invited Talk, Alaska, 14-17 June 2020. (cancelled due to COVID19)
- 83 Joint Meeting of Taipei International Statistical Symposium and ISI Regional Statistics Conference, Taipei, Taiwan, 16-19 December 2020. (cancelled due to COVID19)
- 84 34th New England Statistics Symposium, Rhode Island, September 30-2 Oct 2021 (online)
- 85 Panelist on Future of Optimal Design Research, The Design and Analysis Experiment Conference, 2-21 October 2021. (online)
- 86 Invitation to speak at IMS, Singapore on Genomics Workshop, Jan 10-15, 2022. (declined)
- 86 Louis Chen's 80th Birthday Symposium, National University of Singapore, 17–21 June 2022.
- 87 JSM Invited Session “Theory and Algorithms for Adaptive Clinical Trial Design with Multiple Objectives”, Joint Statistical Meetings, Washington DC, 6-11 August 2022.
- 88 The 12th ICSA International Conference, Chinese University of Hong Kong, China, 7-9 July 2023.
- 89 International Conference for Statistics and Data Science, Academia Sinica, Taipei, Taiwan, 11-13 July 2023.
- 90 The First Symposium of Geometry and Statistics, Yanqi Lake Beijing Institute of Mathematical Sciences and Applications, Yau Center at Tsinghua University, Beijing, 29-31 July 2023. (*by invitation only – DECLINED due to uncertainty travel conditions in China*)
- 91 JSM Invited Session “Optimal Designs with Multiple Objectives and Multiple Constraints”, Joint Statistical Meetings, Toronto, Canada, 6-11 August 2023.
- 92 Invited Speaker, Orange County Biostatistics Symposium, 29-30 September 2023.
- 93 Invited Speaker, Conference on Experimental Design and Analysis (CEDA), Academia Sinica, Taipei, Taiwan, 17-19 December 2023.
- 94 One of 8 Invited Speakers Selected by the Organizing Committee of the 16th Annual Conference on Statistical Issues in Clinical Trials, University of Pennsylvania, 8 April 2024.
- 95 Invited Speaker, Design and Analysis of Experiments, Virginia Tech University, Blacksburg, Virginia, 15-17 May 2024.
- 96 Invited Speaker, Society of Clinical Trials Annual Meeting, Boston, 19-22 May 2024.
- 97 Invited Speaker at the International Conference for Statistics and Data Science, National Chengchi University, Taipei, Taiwan, 9-10 July 2024.
- 98 Invited Speaker, Design of Experiments and Mixed Models at the Crossroads, Banff International Research Station, 2 August 2024.
- 99 Invited Speaker, JSM sponsored by the New England Journal of Statistics and Data Science Session, Portland, Oregon, 4-8 August 2024.
- 100 Invited Speaker, The Interim Conference of the Asian Regional Section of the International Association for

Statistical Computing (IASC-ARS). Statistical Computing and methods for Complex Data. National Taiwan University, Taipei City, Taiwan, 13–14 December 2024. [Organized by Grace Kim, UCLA]

- 101 Nominated Invited Speaker, Pacific Institute of Mathematics, University of Victoria, British Columbia, 20 January 2025.
- 102 Invited Keynote Speaker for the Academician Yuan-Shih Chow Lecture at the 34th South Taiwan Statistics Conference at the Sanxia Campus of National Taipei University, 19-20 June 2025. [*This conference is the largest statistics conference in Taiwan in terms of the number of local attendees, about 600+ registered.*]
- 103 Invited Speaker, Joint Meetings of 2025 Taipei International Statistical Symposium and 13th ICSA International Conference, Academia Sinica, Taipei, Taiwan, 17-20 December 2025.

*Upcoming:*

- 104 Invited Speaker, ICSA China Conference, Southern University of Science and Technology (SUSTech), Shenzhen, China June 26–29, 2026.

**IG Seminars at Departments and Research Institutes**

- 1 Department of Biostatistics, UCLA, 20 April 1990.
- 2 Department of Statistics, University of California, Riverside, 26 February 1991.
- 3 Department of Mathematics, UCLA, 4 March 1991.
- 4 Department of Statistics and Actuarial Science, University of Iowa, Iowa City, 20 June 1991.
- 5 Department of Mathematics, UCLA, 4 December 1991.
- 6 Department of Biomathematics, UCLA, 3 June 1993.
- 7 Mathematisches Institut, Freie Universitaet Berlin, Germany, 23 December 1994.
- 8 Department of Probability and Statistics, University of California at Santa Barbara, 17 January 1995.
- 9 Istituto di Statistica Sociale, Universita' degli Studi di Palermo, Italy, 13 June 1995.
- 10 Mathematisches Institut, Freie Universitat, Berlin, Germany, 23 June 1994.
- 11 Institut fr Mathematische Stochastik, Technische Universitat Dresden Germany, 27 June 1995.
- 12 Department of Computer Science and Statistics, Technische Universiteit Eindhoven, The Netherlands, 17 September 1996.
- 13 Department of Methodology and Statistics, University of Maastricht, The Netherlands, 19 September 1996.
- 14 Department of Methodology and Statistics, University of Maastricht, The Netherlands, 20 September 1996.
- 15 Department of Mathematics, National University of Singapore, 9 January 1997.
- 16 Department of Mathematics, National University of Singapore, 14 January 1997.
- 17 Department of Applied Mathematics, National Sun Yet Sen University, Kaohsiung, Taiwan, 16 July 1997
- 18 Department of Mathematics, National University of Singapore, 30 July 1997.
- 19 Department of Statistics, UC-Riverside, California, 27 January 1998.
- 20 Department of Applied Mathematics and Statistics, SUNY-Stony Brooks, 25 November 1998.
- 21 Department of Epidemiology and Public Health, Yale University, 30 November 1998.
- 22 Pfizer Pharmaceutical Company, Groton, CT., 1 December 1998.
- 23 Department of Statistics, Chinese University of Hong Kong, China, 30 March 1999.
- 24 Department of Statistics, Chinese University of Hong Kong, China, 12 July 1999.
- 25 Department of Mathematics and Applied Mathematics, University of Maryland at Baltimore, 3

September 1999.

- 26 Department of Methodology and Statistics, University of Maastricht, The Netherlands, 6 July 2000.
- 27 Department of Applied Statistics and Probability, National University of Singapore, 27 August 2001.
- 28 Department of Probability and Statistics, University of California at Santa Barbara, 16 April 2002.
- 29 Otto von Guericke University Magdeburg - Institute for Mathematical Stochastics, Magdeburg, Germany, 28 November 2002.
- 30 Department of Applied Mathematics and Statistics, University of Alberta, Edmonton, Canada, 3 September 2006.
- 31 Department Statistics, University of Missouri-Columbia, MO, 20 September 2006.
- 32 Department of Biostatistics, Washington University, St. Louis, MO, 22 September 2006.
- 33 Department of Mathematics, Hong Kong Baptist University, Hong Kong, 18 December 2006.
- 34 Department of Applied Probability and Statistics, National University of Singapore, 3 January 2007.
- 35 Department of Statistics, George Mason University, Fairfax, Virginia, 22 February 2007.
- 36 Department of Biostatistics, Yale University, 27 November 2007.
- 37 Department of Mathematics, Probability and Statistics, University of Southern California, Los Angeles, 14 September 2008.
- 38 Pacific Institute of Mathematical Sciences, University of Victoria, Victoria, British Columbia, Canada, 19 September 2008.
- 39 Department of Biostatistics and Epidemiology, University of California at San Francisco, San Francisco, 18 February 2009.
- 40 Department of Statistics and Faculty of Health Sciences, Simon Fraser University, Vancouver, 2 March 2009.
- 41 Arthritis Research Centre, Vancouver, 25 May 2009.
- 42 University of California at Riverside, Department of Statistics, 29 September 2009.
- 43 Signature Seminar Series Invited Speaker, Duke University-National University of Singapore Graduate Medical School, Singapore, 3 November 2009.
- 44 Institute of Statistics, National Chia Tung University, Hsinchu, Taiwan, 22 December 2009.
- 45 Department of Mathematics, Hong Kong Baptist University, Hong Kong, 23 February 2010.
- 46 Institute of Statistics, National University of Kaohsiung, Kaohsiung, Taiwan, 3 March 2010.
- 47 Department of Applied Mathematics, National Sun Yat Sen University, Kaohsiung, Taiwan, 4 March 2010.
- 48 Department of Mathematical Sciences, University of Technology, Sydney, Australia, 13 September 2010.
- 49 Department of Mathematics, University of Southern California, 4 February 2011.
- 50 Department of Mathematics and Statistics, Arizona State University, 18 February 2011.
- 51 Department of Mathematics and Statistics, National Taiwan University, Taipei, Taiwan, 20 July 2011.
- 52 Division of Mathematical Sciences, Nanyang Technological University, Singapore, 17 October 2011.
- 53 Department of Statistics, Guangzhou University, 18 November 2011.
- 54 Department of Statistics, University of Hong Kong, Hong Kong, 24 November 2011.
- 55 Department of Statistics, Oxford University, England, 1 December 2011.
- 56 School of Mathematics, The University of Manchester, Manchester, England, 14 December 2011.
- 57 Department of Statistics, UCLA, 31 January 2012.

- 58 Department of Statistics, Stockholm University, Stockholm, Sweden, 10 March 2012.
- 59 Department of Statistics, Stockholm University, Stockholm, Sweden, 18 March 2012.
- 60 Department of Statistics, Academia Sinica, Taipei, Taiwan, 9 July 2012.
- 61 Defence Science Organization, National Laboratories, Singapore, 18 July 2012.
- 62 Department of Mathematics and Statistics, Loyola University, Chicago (Undergraduate Colloquium in Mathematical Sciences), 10 September 2012.
- 63 School of Statistics, University of Minnesota, Minneapolis, MN, 13 September 2012
- 64 Biostatistics Unit, Amgen, 1 November 2012
- 65 Department of Biological Sciences, University of Southern California, 6 December 2012.
- 66 Department of Statistics, National Cheng Kung University, Tainan, Taiwan, 3 October 2013.
- 67 Department of Mathematics, Tamkang University, Taipei, Taiwan, 12 November 2013.
- 68 Department of Applied Mathematics, Sun Yet Sen University, Kaohsiung, Taiwan. 14 November 2013.
- 69 Department of Statistics, National Cheng Kung University, Tainan, Taiwan, 21 November 2013.
- 70 Department of Statistics, UC Irvine, 6 February 2014.
- 71 Department of Statistics, Medeniyet University, Istanbul, Turkey, 31 March 2014.
- 72 Bay Area San Francisco ASA Chapter, 16 April 2014.
- 73 Department of Statistics and the Division of Biostatistics (Joint Seminar), UC Davis, 22 April 2014.
- 74 Stanford Biostatistics Workshop, Stanford University, 15 May 2014.
- 75 Canadian Statistical Society, University of Toronto, Toronto, 25-28 May 2014.
- 76 The Toronto Applied Biostatistician Association, Princess Margaret Hospital, Toronto, Canada, 28 May 2014.
- 77 Novartis, Shanghai, China, 1 July 2014 (2-hour lecture-tutorial).
- 78 Department of Statistics, University of Georgia, 13 November 2014.
- 79 Department of Epidemiology and Biostatistics at the University of Texas Health Science Center at San Antonio, San Antonio, Texas, 11 May 2015.
- 80 School of Mathematics and Statistics, The University of Glasgow, Scotland, UK, 3 July 2015.
- 81 Department of Statistics, University of Southampton, Southampton, UK, 13 July 2015.
- 82 Department of Applied Mathematics and School of Industrial Engineering, Institute of Mathematics and Universidad de Castilla-La Mancha, Ciudad Real, Spain, 9 Sept 2015.
- 83 Department of Electrical Engineering, National University of Singapore, Singapore, 21 December 2015.
- 84 Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing 100190, China, 16 August 2016.
- 85 Engineering Systems and Design Pillar at Singapore University of Technology and Design, 7 September 2016.
- 86 Guest Lecture for fourth year Electrical Engineering students at the Department of Electrical Engineering, National University of Singapore, 12 September 2016.
- 87 Department of Applied Mathematics, National Sun Yet Sen University, Kaohsiung, Taiwan, 8 December 2016.
- 88 Department of Statistics, National Taichung University, Taichung, Taiwan, 12 December 2016.
- 89 Department of Mathematical and Statistical Sciences, University of Alberta, Edmonton, Canada, 6 February 2017.

- 90 Department of Chemical Engineering, University of Coimbra, Coimbra, Portugal, 26 April 2017.
- 91 Department of Statistics and Operational Research, University of Lisbon, Portugal, 28 April 2017.
- 92 Centr for Biostatistics in AIDS Research, Harvard T. H. Chan School of Public Health, Harvard University, Boston, MA, 15 May 2017.
- 93 Department of Mathematics and Statistics, University of Victoria, 25 May 2017.
- 94 Department of Computer Science, Hong Kong Baptist University, Hong Kong 12 June 2017.
- 95 Department of Statistics, Chinese University of Hong Kong, Hong Kong, 14 June 2017.
- 96 Duke-NUS Graduate School", National University of Singapore, Singapore, 23 February 2018.
- 97 Department of Biostatistics, Vanderbilt University, Nashville, Tennessee, 14 March 2018.
- 98 Department of Biomathematics, UCLA, 7 June 2018.
- 99 Biostatistics Division, Johnson & Johnson, Irvine, California, 29 November 2018.
- 100 College of Mathematics and Sciences, Shanghai Normal University, Shanghai, China, 20 February 2019.
- 101 Academia Sinica, Taipei, Taiwan, 4 March 2019.
- 102 Department of Statistics, National Cheng Kung University, Tainan, Taiwan, 14 March 2019.
- 103 Department Computer Science, City University of Hong Kong, 24 June 2019.
- 104 Department of Statistics, University of Sydney, Sydney, Australia, 12 July 2019.
- 105 Department of Mathematics and Statistics, University of New South Wales, Sydney, Australia, 19 July 2019.
- 106 Department of Biostatistics, University of Florida, 10 January 2020.
- 107 Department of Computer Science, Hong Kong Baptist University, Hong Kong, 31 May 2022.
- 108 Agency for Science, Technology and Research (A\*STAR), Center for Frontier AI Research (CFAR), 21 July 2022.
- 109 Institute of Statistical Science, Keynote Address (with Prof. T. L. Lai, Stanford) at the 40<sup>th</sup> Anniversary of Academia Sinica, in memory of Academician Yuan-Shih Chow, Academia Sinica, Taipei, Taiwan, 16 December 2022 [DECLINED]
- 110 Department of Mathematics, National Taiwan Normal University, Taipei, 28 December 2022.
- 111 Department of Statistics, National Kaohsiung University, Kaohsiung, 14 June 2023.
- 112 Department of Mathematics, University of California at San Diego, 2 May 2024.
- 113 Department of Statistics, University of Connecticut, Connecticut, 23 October 2024.
- 114 Department of Statistics, Chinese University of Hong Kong, Hong Kong, 27 December 2024.
- 115 Department of Statistics, 1-day Workshop on "Fundamentals of Optimal Design: Construction and Applications", Seoul National University, Seoul, South Korea, 4 July 2025.
- 116 Department of Statistics, Seoul National University, Seoul, South Korea, 5 July 2025.
- 117 Kaohsiung Medical University, Kaohsiung, Taiwan, 14 July 2025
- 118 Department of Computer Science and Engineering, National Sun Yat-sen University, Kaohsiung, Taiwan, 25 July 2025.
- 119 Department of Statistics and Data Science, National University of Singapore, Singapore, 6 Augst 2025
- 120 School of Physical and Mathematical Sciences, Nanyang Technology University, Singapore, 11 August 2025
- 121 School of Medicine, Paris Diderot University INSERM, Paris, France, 25 September 2025
- 122 Department of Biostatistics, Epidemiology, and Informatics, Perelman School of Medicine, University of

Pennsylvania, Philadelphia, 14 October 2025.

122 Department of Biostatistics, Columbia University, New York, 6 November 2025

123 Department of Statistics, Stern School of Business, New York University, New York, 7 November 2025.

124 College of Science, National Taipei University, Sanxia Campus, 10 December 2025

125 Department of Statistics, University of British Columbia, Vancouver, Canada, 20 February 2026

126 Department of Statistics, Columbia University, New York, 2 February 2026

127 Department of Applied Mathematics and Statistics, State University of New York, Stony Brook, New York  
6 February 2026.

## II TEACHING/MENTORING ACTIVITIES

### IIA Courses Taught at UCLA

### Name

### no. of students

F90	Biostatistics 100A	Introduction to Biostatistics	30
W91	"	"	21
W92	"	"	22
Su93	"	"	29
F90	Biostatistics 245	Advanced Seminar in Biostatistics	11
F98	"	"	18
S11	"	"	35
S12	"	"	38
S14	"	"	39
F17	"	"	34
F18	"	"	36
F19	"	"	36
F20	"	"	40
F91	Biostatistics 200A	Biostatistics	33
F92	"	"	33
F93	"	"	19
W94	Biostatistics 200B	Biostatistics	13
S05	Biostatistics 200C	Biostatistics	14
S06	"	"	17
S07	"	"	20
S08	"	"	19
S09	"	"	23
S10	"	"	19
S11	"	"	15
S12	"	"	22
S13	"	"	13
W14	"	"	17
W15	"	"	12

W16	“	“	11
S17	“	“	31
W19	“	“	29
S92	Biostatistics 100C	Introduction to Biostatistics	18
W09	Biostatistics 402A	Biostatistical Consulting	17
W92	Biostatistics 402B	Biostatistical Consulting	12
S93	“	“	13
S97	“	“	2
F97	“	“	3
F05	“	“	5
W06	“	“	5
F06	“	“	6
F07	“	“	8
W93	Biostatistics 110B	Basic Biostatistics	12
W94	“	“	9
S93	Biostatistics 110C	Basic Biostatistics	12
W93	Biostatistics 596	Independent Studies	1
S93	“	“	1
W94	“	“	2
S05	“	“	1
F08	“	“	1
W08	“	“	1
F08	“	“	1
W09	“	“	1
W11	“	“	4
F11	“	“	4
W12	“	“	4
S12	“	“	2
S13	“	“	2
S05	Biostatistics 597	“	1
F11	“	“	4
S95	Biostatistics 285	Advanced Special Topic Class	7
S97	“	“	2
F95	Biostatistics 250A	Linear Models	10
F96	“	“	9
F98	“	“	8
F99	“	“	11
F00	“	“	17
F01	“	“	12

F02	"	"	9
F03	"	"	8
F04	"	"	9
F05	"	"	5
F06	"	"	7
F07	"	"	8
F08	"	"	6
F14	"	"	5
F15	"	"	8
F16	"	"	10
F17	"	"	14
F18	"	"	8
F19	"	"	11
F20	"	"	8
F21	"	"	12
F22	"	"	10
F23	"	"	11
F24	"	"	8
F25	"	"	5
W96	Biostatistics 250B	Linear Models II	8
W99	"	"	6
W00	"	"	8
W11	"	"	7
W12	"	"	4
W13	"	"	5
W14	"	"	6
W20	"	"	16
W21	"	"	7
W22	"	"	9
W23	"	"	12
W24	"	"	8
W25	"	"	5
W26	"	"	6
S02	Biostatistics 251	Multivariate Statistics	7
S03	"	"	7
S98	Biostatistics 240	Master's seminar	9
S03	"	"	14
S04	"	"	16
S06	"	"	14

S09	"	"	22
F00	Biostatistics 279	Optimal Design of Experiments	7
W05	"	"	5
W08	"	"	8
S15	"	"	4
S18	"	"	5
S19	"	"	3
S21	"	"	4
F10	Biostatistics 238	Methodology for Clinical Trials	5
S13	"	"	4
S16	"	"	72
W17	"	"	11
S22	"	"	10
F22	"	"	14
S25	"	"	5
S26	"	"	10
W25	Department of Pediatric Dentistry	Biostatistics for 2 <sup>nd</sup> year residents	7
S25	Fiat Lux Class Seminar 19	Alternative Medicine: Tai Chi and Martial Arts	19
F25	Fiat Lux Class Seminar 19	Alternative Medicine: Tai Chi and Kung Fu	20
S26	Fiat Lux Class Seminar 19	Tai Chi Innovation	20

**IIB Member, Committee for MPH Field Study Oral Capstone Presentation**

**Year**

Yuri Dong	Biostatistics 400	Applied Practice Experience (APEX)	2023
Izzet Aziz	Biostatistics 400	Applied Practice Experience (APEX)	2023
Anqi Zang	Biostatistics 400	Applied Practice Experience (APEX)	2025
Yuting Huang	Biostatistics 400	Applied Practice Experience (APEX)	2025

**IIC Mentor for the Biostatistics' Master of Data Science in Health Capstone Project**

Team 7 (joint with Boston Children's Hospital)	2025
Team 8 (joint with Edward Lifesciences)	2026

**IID Master's Paper Advisor**

**Year**

Joy Chih-Yi King	MS	Department of Biostatistics	1991
Amy In-Lu Liu	MS	"	1991
Frances Wu	MS	"	1992
Ming Yi Hu	MS	"	1993
David Speights	MS	"	1993
Yongshan Lin	MS	"	1994

Mike Lau	MS	"	1995
Zemeke Ying	MS	"	1995
Chih-Chien Yang	MS	"	1995
Ya-Yun Chang	MS	"	1995
Brain Ramos	MS	"	1998
Wuan Szu Wang	MS	"	1998
Nancy Chang	MS	"	1999
Hector Lemus	MS	"	2000
JeongYoong Lim	MS	"	2005
Haiying Kong	MS	"	2007
Daniel Nguyen	MS	"	2008
Brain Sharkey	MS	"	2008
Trinia Patel	MS	"	2008
Paul Maranian	MS	"	2009
Min Jin	MS	"	2009
Roberto Crackel	MS	"	2009
Xiaoxian Dai	MS	"	2011
Xin Ye	MS	"	2011
Issac Chen TaiXu	MS	"	2011
Netty Shedi	MS	"	2012
Jie Huang	MS	"	2012
Andrew Abi-Chaker	MS	"	2013 (incomplete)
Junhyung Park	MS	"	2014
Gleb Kichaev	MS	"	2014
Timothy Lin	MS	"	2015
Zizhao Zhang	MS	"	2016
Yiyang Zhang	MS	"	2017
Tianjiang Yang	MS	"	2019
Elvis Han	MS	"	2019
Howon Ryu	MS	"	2019
Peter Long	MS	"	2019
Haowen Xu	MS	"	2019
Jiaheng Cai	MS	"	2022
Yuhang Zhou	MS	"	2023
Zixi Zhang	MS	"	2023

**IIE Doctoral Committee Membership**

Paracel Hemyari	DrPH	Department of Biostatistics	1991
Patricia English	DrPh	Department of Biostatistics	1991
Stellar Grosser	PhD	Department of Biostatistics	1992
Guanghan Liu	PhD	Department of Statistics	1993
Man Lai Tang	PhD	Department of Biostatistics	1995
Reis Isildinha	DrPH	Department of Biostatistics	2995
Shih Wei Tsai	PhD	Department of Environmental & Health Services	1998
Katie Kerr	PhD	Department of Statistics	1999
Suman Bhattacharya	PhD	Department of Biostatistics	2001
ZhiShen Ye	PhD	Department of Biostatistics	2002
Xiaowei Yang	PhD	Department of Biostatistics	2002
Jianming Wang	PhD	Department of Biostatistics	2002
YingYing Ma	PhD	Department of Biostatistics	2003
Peng Cheng Sung	PhD	Department of Environmental & Health Services	2006
Bob Phalen	PhD	Department of Environmental & Health Services	2006
Wen Hai Xu	PhD	Department of Environmental & Health Services	2007
Juan Mei Liu	PhD	Department of Statistics	2007
Frederick Phoa	PhD	Department of Statistics	2009
Adam7Siade	PhD	Department of Civil Engineering	2012
Qing Yang	PhD	Department of Biostatistics	2013
Xiang Lu	PhD	Department of Biostatistics	2015
Ashay Burungale	PhD	Department of Mathematics	2015
Tim Ushijima	PhD	Department of Civil Engineering	2018
Wang Lin	PhD	Department of Statistics	2019
Xi Diong	PhD	Department of Biostatistics	2021 (advanced)
Ye Tian	PhD	Department of Statistics	2021
Wenxi Yu	PhD	Department of Biostatistics	2021
Yuhao Yin	PhD	Department of Statistics	2022
Yilan Huang	PhD	Department of Biostatistics	2024 (advanced)

**IIF Chair, Doctoral Committee**

			<b>Year</b>
Joy Chih-Yi King	PhD	Department of Biostatistics	1996
Yu Chuan Huang	DrPH	Department of Biostatistics	1996
Wei Zhu	PhD	Department of Biostatistics	1996
Dale Song	PhD	Department of Biostatistics	1997
Kuan Liang Chen	PhD	Department of Biostatistics	2002
Grace Park	DrPH	Department of Biostatistics	2007
Jiaheng Qiu	PhD	Department of Biostatistics	2014

Priscilla Yen	PhD	Department of Biostatistics	2019
Zizhao Zhang	PhD	Department of Biostatistics	2020
Mitchell Shepps	PhD	Department of Biostatistics	2023
William Gertsch	PhD	Department of Biostatistics	2025
<b>IIG Co-chair, Doctoral Committee</b>			<b>Year</b>
Hsiu-Wen Chen	PhD	Department of Statistics	2011
Co-chair, Hongquan Xu			
Jessica Jaynes	PhD	Department of Statistics	2013
Co-chair, Hongquan Xu			
Sheng Wu	PhD	Department of Biostatistics	2015
Co-chair, Kate Crespi			
Yu Shi	PhD	Department of Biostatistics	2019
Co-chair, Grace Kim			
Zachary Stokes	PhD	Department of Statistics	2021
Co-chair, Hongquan Xu			
Elvis Han Cui	PhD	Department of Biostatistics	2023
Co-chair, Gang Li			
Jose Toledo <b>[DIV]</b>	PhD	Department of Statistics	2025 (advanced)
Co-chair, Hongquan Xu			
Vincent Liu	PhD	Department of Statistics	2024 (advanced)
Co-chair, Yingnian Wu			

### **IIH External Examiner of Master/Doctoral Theses**

- 1 External Member, Doctoral Thesis of Mirjam Morebeek, Department of Methodology and Statistics, University of Maastricht, The Netherlands, 2000.
- 2 External Member, Habilitation Thesis of Lorens Imhof, Fakultät fuer Mathematik, Aachen University, Germany, 2002.
- 3 External Member, Master's Thesis Committee, Department of Mathematics and Statistics, Memorial University of Newfoundland, Canada, 2004.
- 4 External Member, Doctoral Thesis Committee, Department of Mathematics & Statistics, University of Alberta, Edmonton, 2006.

- 5 External Member, Doctoral Thesis Committee of Xiang Feng Wu, Department of Applied Mathematics and Statistics, State University of New York, SUNY, Stony Brook, 2007.
- 6 External Member, Doctoral Thesis Committee of Yan Bo Pei, Department of Mathematics, Baptist University of Hong Kong, Hong Kong, China, 2009.
- 7 External Member, Doctoral Thesis Committee, Department of Statistics and Applied Probability, National University of Singapore, Singapore, 2013.
- 8 External Member, Master's Thesis Committee of Nambiar, Padmanand Madhavan, Department of Statistics, University of Georgia, Athens, Georgia, 2015.
- 9 External Member, Doctoral Thesis Committee of Elvira Delgado Márquez, Department of Industrial Engineering, Universidad de Castilla-La Mancha, Ciudad Real, Spain, 2015.
- 10 External Member, Doctoral Thesis Committee of Muthini, R. K., Department of Psychology, University of Kansas, 2014-present.
- 11 External Member, Doctoral Thesis Committee of Yin Li, Department of Mathematical and Statistical Sciences, University of Alberta at Edmonton, 2017.
- 12 External Member, Doctoral Thesis of Committee of Selvakkadunko Selvaratnam, Department of Mathematics and Statistics, Memorial University of Newfoundland, 2017.
- 13 External Member, Doctoral Thesis Committee of Ping Yang Chen, Department of Statistics, National Cheng Kung University, Tainan, Taiwan 2017.
- 14 External Member, Doctoral Thesis Committee of Qiang Li, Department of Statistics, University of North Dakota, advanced to candidacy, 2018.
- 15 External Member, Doctoral Thesis of Parisa Parsamaram, Fakultät für Mathematik - Institut für Mathematische Stochastik (IMST), Otto-von-Guericke-Universität Magdeburg, Germany, 2022.
- 16 Chair, Master's Thesis Committee of Yi-Cheng Yang, Department of Computer Science, National Sun Yet Sen University, Kaohsiung, Taiwan, 19 July 2023.
- 17 Chair, Master's Thesis Committee of Ching-Chieh Lin, Department of Computer Science, National Sun Yet Sen University, Kaohsiung, Taiwan, 19 July 2023.
- 18 Member, Master's Thesis Committee of Cheng-Chun Chen, Department of Computer Science, National Sun Yet Sen University, Kaohsiung, Taiwan, 19 July 2024.
- 19 Chair, Master's Thesis Committee of Yu-Hsuan Wu, Department of Computer Science, National Sun Yet Sen University, K9aohsiung, Taiwan, 19 July 2024.
- 20 External Member, Doctoral Thesis Committee of R. Sivaranjani, R., Department of Statistics, Annamalai University, Tamil Nadu, India, August 2024.
- 21 External Member, Master's Thesis Committee of Alex Wiigs, Department of Mathematics and Statistics, University of Victoria, Victoria, British Columbia, Canada Feb 2025 – present.
- 22 External Member, Doctoral Thesis Committee of B. Balachandar, Department of Statistics, Annamalai University, Tamil Nadu, India, June 2025.
- 23 External Member, Doctoral Thesis Committee of R. Jothika, Department of Statistics, Annamalai University, Tamil Nadu, India, October 2025.

### **III Participant in the UCLA Cross-disciplinary Scholars in Science and Technology (CSST)/ Cross-**

### **Disciplinary Scholars (CDS) program to mentor top undergraduates**

Several years ago, I mentored Guanghao Qi, a third-year undergraduate student who was in a summer exchange program at UCLA. He was from the Department of Mathematics at Fudan University, Shanghai, China. I quickly discovered that he was an excellent student, and I wrote a recommendation letter for him to do graduate study in the US. He did his PhD at the Department of Biostatistics, Johns Hopkins University, and in 2024, he joined the Department of Biostatistics at the University of Washington as a tenure-track faculty.

### **III SERVICE**

#### **IIIA Reviewer of Federal Grant/Fellowship Applications and from Abroad Funding Agencies**

- 1 Grant Reviewer for National Sciences and Engineering Research Council of Canada, 1998, 2001, 2003, 2007(2), 2011, 2014, 2015.
- 2 Member, SNEM 5 Special Emphasis Panel Grant Review of the Centre for Scientific Review, National Institutes of Health, D.C., 1999-2000. (SNEM=Section on Nursing, Epidemiology and (Statistical) Methods)
- 3 Grant Reviewer, National Science Foundation, 2002, 2003.
- 4 Grant Reviewer, National Research Service Award, Office of Peer Review, HRSA, Bureau of Health Professions, U.S. Department of Health & Human Services HRSA, Silver Spring, MD, 5-8 August 2002.
- 5 Grant Reviewer, National Security Agency, January 2003, 2014(declined)
- 6 Member, CDC Research Center (PRC) Minority Fellowship Review Committee, Association of School of Public Health, 2006, 2007, 2008, 2009, 2010, 2011, 2012.
- 7 Member, CORT Applications Review, National Institute of Arthritis and Musculoskeletal Disease, D. C., March 2006.
- 8 Grant Reviewer, Arthritis Foundation, 30 September 2006.
- 9 Grant Reviewer, Biology and Arthritis Section of the National Institute of Arthritis and Musculoskeletal Disease, 17 November 2006.
- 10 Grant Reviewer, Musculoskeletal, Oral, and Skin Sciences (MOSS) Integrated Review Group of NIH, 25 April 2007.
- 11 Grant Reviewer, Austrian Science Foundation, 2007.
- 12 Grant Reviewer, Competitive Earmarked Research Grant (CERG), The Government of Hong Kong, 2007, 2008, 2009.
- 13 Grant Reviewer, The German Federal Ministry for Research and Education, 2008, 2009, 2010.
- 14 Grant Reviewer, ASPH/CDC Alan Rosenfeld Global Health Fellowship Program 2009.
- 15 Member of Panel of Reviewers for Tripod Grant Applications, National Science Foundation, 6-7 June 2019.
- 16 Grant Reviewer, Medical Research Council, London, 2019, 2020.
- 17 Member of Panel of Reviewers for Statistics Grant Applications, National Science Foundation, 15-18 March 2020.
- 18 Special Awards Judge at the 2022 Intel International Science and Engineering Fair organized by Regeneron; an activity event of the American Statistical Association (ASA), 28 April - 5 May 2022. (Student winner gets \$250,000!).
- 19 Reviewer, National Science Foundation, Graduate Research Fellowship Program, 2022,2023, 2024. (This

- award gives recipients about \$42,000 to new graduate students in STEM for each of their first 3 years.)
- 20 Specialist Grant Reviewer, Peer Review Medical Research Program (PRMRP) panel of the FY23 Lifestyle and Behavioral Health Interventions Research Award for Urologic Disorders (LBHIR-UD) for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP), July 2023.
  - 21 Grant Reveiwer, Deutsche Forschungsgemeinschaft (German Research Foundation) August 2025

**IIIB Reviewer of Personnel Action for Faculty (outside UCLA)**

- 1 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with tenure at University of Edmonton, Alberta, 1998.
- 2 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with tenure at State University of New York, 1998.
- 3 Member, Review Committee for Promotion of an Associate Professor to Full Professor with tenure at State University of New York, 1998.
- 4 Member, Review Committee for Promotion of an Adjunct Assistant Professor to Adjunct Professor at Harvard University without tenure, 2005.
- 5 Member, Review Committee for Promotion of an Adjunct Associate Professor to Adjunct Professor at UC Irvine, 2005.
- 6 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor without tenure at the Oregon Health and Science University, 2006.
- 7 Member, Review Committee for Promotion of Professor Step V to Professor Step VI at UC Riverside, 2006.
- 8 Member, Review Committee for Promotion of an Associate Professor to Professor, Loyola University, Chicago, 2009.
- 9 Member, Review Committee for Promotion of a Professor Step V to Professor Step VI at UC Irvine, 2009.
- 10 Member, Review Committee for Promotion of an Associate Professor, University of Utah, 2010.
- 11 Member, Review Committee for Promotion of an Associate Professor, Cleveland Clinic, 2011.
- 12 Member, Review Committee for Promotion of an Associate Professor to Professor, University of Utah, Utah, 2013.
- 13 Member, Review Committee for Promotion of an Associate Professor to Full Professor with Tenure, Department of Actuarial Science and Statistics, University of Hong Kong, 2014.
- 14 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor, Department of Epidemiology and Biostatistics, University of Texas Health Science Center at San Antonio, Texas, 2014.
- 15 Member, Review Committee for Promotion of an Associate Professor to Full Professor with Tenure, Department of Actuarial Science and Statistics, University of Hong Kong, 2015.
- 16 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with Tenure, Duke-National University of Singapore, Singapore, 2016.
- 17 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with Tenure, Department of Mathematics, University of Minnesota, Duluth, Minnesota, 2017.
- 18 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with Tenure, Vanderbilt University, Nashville, Tennessee, 2017.

- 19 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with Tenure, University of Texas Health System, Houston, Atlanta, 2017.
- 20 Member, Review Committee for Promotion of an Associate Professor to Professor with Tenure, Department of Biostatistics, University of North Carolina, Chapel Hill, North Carolina, 2018.
- 21 Member, Review Committee for Promotion of a Lecturer to Senior Lecturer, Cardiff School of Mathematical Sciences, Cardiff University, England, 2018.
- 22 Member, Review Committee for UCLA for the Merit Increase of Professor-in-Residence, Step III, 2019.
- 23 Member, Review Committee for Assistant Professor to Associate Professor (with tenure) at the Hasbam Business School of University of Tennessee, Knoxville, Tennessee, 2020.
- 24 Member, Review Committee for Promotion to Professor, Research Track, Cedars-Sinai Medical Center, Clinical and Translational Science Institute, Los Angeles, 2020.
- 25 Member, Review Committee for Promotion of an Associate Professor to Professor at the Oregon Health State University, Oregon, 2021.
- 26 Member, Review Committee for of an Assistant Professor to Associate Professor, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, 2021.
- 27 Member, Review Committee for Promotion of a Professor to Chair Professor at the Department of Computer Science, Hong Kong Baptist University, Hong Kong, China, 2022.
- 28 Member, Reviewer Committee for Promotion of Associate Professor to Professor at the Department of Biostatistics, Duke University, North Carolina, 2022.
- 29 Member, Review Committee for Promotion of a Professor without tenure to Professor with tenure, University of Utah, Utah, 2022.
- 30 Member, Review Committee for Step Increase from Step 9 to Step 10 Distinguished Professor, UC Riverside, 2022.
- 31 Member, Review Committee for Promotion of an Associate Professor to Professor, University of Manitoba, Canada, 2022.
- 32 Member, Review Committee for of an Assistant Professor to Associate Professor, Institute of Statistics and Big Data, Renmin University of China, Beijing, China, 2022.
- 33 Member, Review Committee for of an Assistant Professor to Associate Professor, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, 2023.
- 34 Member, Review Committee for a Distinguished Award for an Assistant Professor, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, 2023.
- 35 Member, Review Committee for Promotion of an Associate Professor to Professor, University of Manitoba, Canada, 2022.
- 36 Member, Review Committee for Promotion of an Assistant Professor to Associate Professor with tenure, Purdue University, West Lafayette, 2025.
- 37 Member, Review Committee for Adjunct Full Professor Appointment at the Department of Biostatistics, Vanderbilt University, 2025.
- 38 Member, Review Committee for Hiring an Endowed Chair Professor at Nanyang Technological University, College of Engineering, Singapore, 2025.

### **IIIC Chair/Organizer of Scientific Sessions at Conferences/Meetings**

- 1 Co-organizer, Workshop Organization Committee in Applied Statistics, American Statistical Association, Southern California Chapter, 1990-1994.
- 2 Chair and Organizer of an invited design session entitled "Design" for the joint 233rd IMS/WNAR meeting at UCLA, 27-29 June 1994.
- 3 Chair and Organizer of a design session entitled "New Algorithms for Generating Optimal Designs" for the International Association for Statistical Computing Second World Conference, Pasadena, California, 19-22 February 1997.
- 4 Co-chair and Co-organizer of a joint AMS-IMS-SIAM-NSA sponsored Summer Research Conference entitled "New Developments and Applications in Experimental Design" at The University of Washington at Seattle, June 29-July 31997.
- 5 Chair and Organizer of a design session, "Experimental Design Theory" at the 3rd Symposium on Simulation at St. Petersburg, Russia, 29 June- 3 July 1998.
- 6 Chair and Organizer of a Special Contributed Session, "Designs for Biomedical Studies and Clinical Trials" for the WNAR Biometric session at the Joint Statistical Meetings, Anaheim, California, 10-14 August 1997.
- 7 Chair and Organizer of Invited Session "Recent Advances in Sequential Designs for Clinical Trials". Chinese Applied Statistics Conference. The University of Hong Kong, Hong Kong, 2-5 July 2001.
- 8 Organizer of an Invited Session "Optimal Experimental Designs". Annual Statistical Society of Canada Meeting, Halifax, Nova Scotia, 6-8 June 2003.
- 9 Chair and Organizer, "Better Writing Skills for Success". International Chinese Statistical Association Conference, La Jolla, CA, 22-24 June 2004.
- 10 Organizer of a Topic-Contributed Session "Statistical Methods of Assessing Disease Improvement in a Chronic Disease", Joint Statistical Meetings, Toronto, Canada, 8-12 August 2004.
- 11 Chair and Organizer of a Topic-Contributed Session, "Optimal Experimental Design", Joint Statistical Meetings, Minneapolis, 7-11 August 2005.
- 12 Chair of an Invited Session, "Recent Advances in Group Randomized Trials", August, Joint Statistical Meetings, Salt Lake City, 29 July – 2 August 2007.
- 13 Organizer of a Topic-Contributed Session "Design: Optimality Ideas and Applications", Joint Statistical Meetings, Salt Lake City, 29 July- 2 August 2007.
- 14 Organizer of an Invited Session, "Optimal Experimental Designs with Applications to the Biomedical Sciences", International Chinese Statistical Association Symposium, San Francisco, 20-24 June 2009.
- 15 Chair and Organizer of an Invited Session, "Optimal Designs for the Pharmaceutical Industry", Joint Statistical Meetings, Vancouver July 31-5 August 2010.
- 16 Organizer of a Topic-Contributed Session "Modern Methods of Analyzing Clustered Data from the Health Sciences", Joint Statistical Meetings, Vancouver 31 July-5 August 2010.
- 17 Organizer of an Invited Session, "Recent Advances in Experimental Designs". The 8th International Chinese Statistician Association Conference, Guangzhou University, Guangzhou, China, 19-22 December 2010.
- 18 Chair and Organizer, IMS invited session, "Recent Advances in Adaptive Designs for Clinical Trial

- Applications" at the WNAR/IMS meeting, San Luis Obispo, California, 19-22 June 2011.
- 19 Co-chair of Scientific Program and Co-chair and Co-organizer, Spring Research Conference, UCLA, 20-22 June, 2013.
  - 20 Co-organizer and Member Scientific Committee, Recent Advances in Design of Experiments, Guangzhou University, 4-6 December 2013.
  - 21 Organizer and Chair of an Invited Session, "Applications of Memetic and Metaheuristic Algorithms for Solving Biomedical Problems", IASC-ARS Conference, National University of Singapore, Singapore, 17-19 December 2015.
  - 22 Chair, Invited Session, "Design", International Chinese Statistical Association Conference, Atlanta, Georgia, 12-15 June 2016.
  - 23 Chair and Organizer, Invited Session, "Nature-inspired Algorithms for Statistical Applications", The 2nd Conference on Experimental Design and Analysis, Taipei, Taiwan, 15-17 December 2016.
  - 24 Co-organizer and co-program chair of a 1-month workshop on a Drug Discovery Workshop on Design and Analysis of Personalized Medicine Trials at the Institute of Mathematical Sciences at the National University of Singapore, Singapore, June 17-15 July 2017
  - 25 Co-organizer and co-program chair of a 1-week design workshop at Banff International Research Station in Alberta, 2-9 August 2017
  - 26 Co-organizer and co-program chair of a 3-day Design and Analysis of Experiments Conference at UCLA, 12-15 September 2017.
  - 27 Co-organizer and co-Chair of a 2-day workshop on "Particle Swarm Optimization and Evolutionary Computations" at the Institute for Mathematical Sciences at the National University of Singapore, Singapore, 21-23 February 2018.
  - 28 Organizer and Chair of an Invited Session, "Recent Advances in Design for Epidemiology and Biostatistics", ISI Conference, Kuala Lumpur, Malaysia, 18-23 August 2019.
  - 29 Lead Organizer and Chair of a 1-week Virtual Workshop on Metaheuristic Optimization, Machine Learning and Artificial Intelligence at Statistical and Applied Mathematics Sciences Institute (SAMSI), March 8-12 March 2021. (Co-organizers are Tze Leung Lai from Stanford and, Tong, Xin and Choi, Kwok Pui from the National University of Singapore)
  - 30 Chair of an Invited session on "Adaptive Recruitment Trials for Large Scale Clinical Trials" and organized by Mitchell Schepps at WNAR, Virtual Conference, 10-15 June 2022.
  - 31 Organizer and Chair of an Invited session, "Advances in Optimal Sampling Strategies from Big Data", Data Science, Statistics and Visualization Conference, National Cheng Kung University, Tainan, Taiwan, 27-29 June 2022.
  - 32 Organizer and Chair of an Invited session, "Advances in Design Methodologies", ICSA 12th Conference, Hong Kong 7-10 July 2023.
  - 33 Organizer and Chair of an Invited session, "Advances in Multiple-objective Optimal Designs with Multiple Constraints for Biomedical Studies", JSM 5-10 August 2023.
  - 34 Member, Orange County Biostatistics Symposium Academic Committee, March 2023-present.
  - 35 Member, Organizing Committee for International Conference for Statistics and Data Science", Department of Statistics at National Chengchi University and the Taiwan Chapter of the International Chinese

Statistical Association (ICSA), 12-13 July 2024.

- 36 Organizer, Invited Session, "Advanced Design Techniques for Data Science", The 37<sup>th</sup> New England Statistics Symposium at the University of Connecticut, 20-24 May 2024.
  - 37 Chair, Invited Session, Enhancing AI with Advanced Sampling and Data Splitting Techniques for Big Data, JSM 2025, Nashville, Tennessee, 2-7 August 2025.
  - 38 Co-organizer, Topic-Contributed Session, Consensus Based Algorithms and Particle Swarm Optimization Techniques, JSM 2025, Nashville, Tennessee, 2-7 August 2025.
  - 39 Organizer of an Invited Session, Joint Meetings of Taipei International Statistical Symposium and the 13th ICSA International Conference in Taipei, Taiwan, 9-21 December 2025.
- Upcoming:*
- 40 Chair, JSM Invited session, "Data Selection Beyond Estimation Efficiency: Robustness and Energy-Efficient Model Training", Boston, August 1-6, 2026.

### **IIID Member of Professional Organization**

- 1 Member of Journal of the American Statistical Association, 1990-present
- 2 Member of the Institute of Mathematical Statistics, 1990-2002, 2007-2014
- 3 Life Member of International Chinese Statistical Association, 1997-present
- 4 Member, WNAR 2003-present
- 5 Member, International Statistical Institute, 2007-2010
- 6 Member, Society of Clinical Trials, 2008-2010
- 7 Member, Canadian Statistical Society, 2013-2015
- 8 Member, American Association for the Advancement of Science, 2021-present

### **IIIE Campus - Wide, UCLA**

- 1 Member, Special Review Student Fellowship Committee. Spring, 1995
- 2 Member, Ad-hoc Committee Review for Promotion. Spring, 1997, Spring, 2002
- 3 Member, Faculty Career Development Award Committee. Spring, 1998, Spring 2000
- 4 Member, Undergraduate Fulbright Fellowship Award Committee, 2003, 2020, 2021, 2023, 2024, 2025.
- 5 Member, UCLA Senate Committee on Diversity and Equal Opportunity, 2010-2013 **[DIV]**
- 6 Chair, UCLA Senate Committee on Diversity and Equal Opportunity, 2013-2014 **[DIV]**
- 7 Member, UCLA Council on Diversity and Inclusion, 2013-2014 **[DIV]**
- 8 Member, UCLA Climate Survey Task Force Response Team (for faculty only), 2013-2014 **[DIV]**
- 9 Member, Council of Faculty Chairs, UCLA, 2014-2016
- 10 Member, EyeSTAR Program Potential Mentor Interview, Pediatric Ophthalmology and Adult Strabismus, Stein Eye Institute, 2019
- 11 Member, Faculty Review Committee for the Cota-Robles Fellowship, Graduate Division 2020-2021, 2021-2022 **[DIV]**
- 12 Member, Faculty Review Committee for the Graduate Opportunity Fellowship Program (GOFP), Division of Graduate Education, 2020-2021, 2021-2022 **[DIV]**

- 13 Member, Review Committee, Dissertation Year Award (DYA), Division of Graduate Education, 2020-2022
- 14 Member, Review Committee, Graduate Research Mentorship Program (GRM), Division of Graduate Education, 2022
- 15 Member, Graduate Summer Research Mentorship (GSRM), Division of Graduate Education, 2022
- 16 Member, Asia Pacific Center Faculty Advisory Committee, 2023-present. **[DIV]**
- 17 Member, Asian, American Studies Center Advisory Committee, 2023-present. **[DIV]**
- 18 Member, Review Committee, Undocumented Graduate Student Award (UGSA), Division of Graduate Education, 2025 **[DIV]**
- 19 Member, Review Committee, Privately Endowed Awards (PE), Division of Graduate Education, 2025
- 20 Member, Review Committee, Asia Pacific Center East Asia Foreign Language and Area Studies (FLAS) Fellowships for undergraduate and graduate students, 2025
- 21 Member, Undergraduate Research Scholars Program Review Committee, Undergraduate Research Center – Sciences at the University of California, Los Angeles June-July, 2025.

### **IIIF Fielding School of Public Health, UCLA**

- 1 Member, Community and Alumni Relations Committee, 1990-1991
- 2 Member, School-wide Comprehensive Examination Committee, 1991-1992
- 3 Member, Student Affairs Committee, 1992-1996, 2022-2023
- 4 Acting Director, Health Career Opportunities Program: Summer Prologue Program 1994 **[DIV]**
- 5 Member, Advisory Task Force for HCOP, Fall 1994-1995 **[DIV]**
- 6 Member, Compensation Plan for School of Public Health, 1999-2005
- 7 Member, Extra-Curriculum Policy Committee, 1996-1999, 2008-present
- 8 Chair, Faculty Executive Committee, 2014-2016
- 9 Member, School Diversity Committee, 2015-2016
- 10 Member, Search Committee for Environment Health Science Department, 2019
- 11 Member, FSPH Sustainability Committee, 2020-2022.
- 12 Chair, Students Affairs Committee, 2023-2024.

### **IIIG Department of Biostatistics, UCLA:**

- 1 Chair, 100A Waiver Examination, 1991.
- 2 Chair, Admissions and Recruiting Committee, 1992-1994, 1999-2002
- 3 Chair, Master's Spring Comprehensive Examination, 1993, 1998
- 4 Member, Admissions and Recruiting Committee, 1995-1998, 2008-2010
- 5 Co-chair, Master's Spring Comprehensive Examination, 1995, 1997
- 6 Chair, Master's Fall Comprehensive Examination 1995
- 7 Chair, DrPH Comprehensions and Screening Spring Examination, 1996
- 8 Chair, Fellowship Committee, 1999-2002
- 9 Member, Faculty Executive Council, 1996-2002, 2011-2014, 2016-2018
- 10 Chair, Master's Re-Examination, 2002, 2006
- 11 Chair, MS, MPH and DrPH Comprehensive Examinations, 2006
- 12 Department Representative to Legislative Assembly, 2006-2008, 2024-2026.

- 13 Member, Department Curriculum Review Committee, 2006-2008, 2019-2020, 2023-present
- 14 Member, Department Computing Committee, 2008-2009.
- 15 Member, Department IT/Web Committee, 2010-2011
- 16 Member, Department Expanded Doctoral Exam Committee, 2019-present
- 17 Chair, Ad-hoc Committee for a Faculty Promotion to Full Professor, 2021
- 18 Member, Financial Strategic Committee, 2019-present
- 19 Member, Dissertation Award Ranking Committee, 2022
- 20 Biostatistics Representative as Judge for Lester Breslow Impact Award, 2022