

2023

*Awards  
and Lectures*

American Statistical Association  
Institute of Mathematical Statistics  
Committee of Presidents of Statistical Societies



*American Statistical Association*

Page 3

*Institute of Mathematical Statistics*

Page 23

*Committee of Presidents  
of Statistical Societies*

Page 30

## *Appreciation for Retiring Editors*



**Ian McKeague**  
Columbia University  
Co-Editor, Theory and Methods  
*Journal of the American  
Statistical Association*  
2021–2023



**Joshua Tebbs**  
University of South Carolina  
Editor  
*The American Statistician*  
2021–2023



**Marina Vannucci**  
Rice University  
Co-Editor, Theory and Methods  
*Journal of the American  
Statistical Association*  
2021–2023



**Jane-Ling Wang**  
University of California, Davis  
Co-Editor, Theory and Methods  
*Journal of the American  
Statistical Association*  
2021–2023

## ASA Pride Scholarship



**Erin Rose Lipman**

For her contributions to creating community among LGBTQ+ statisticians and potential for research that improves the lives of LGBTQ+ individuals. In recognition of her potential to significantly impact the field of statistics.

## ASA Pride Scholarship Honorable Mention



**Sarah Buckingham**

In recognition of her commitment to improving accessibility within the data science field and advancing research integral to LGBTQ+ causes.

## David R. Cox Foundations of Statistics Award



**Nancy Reid**

University of Toronto

For contributions to the foundations of statistics that significantly advanced the frontiers of statistics and for insight that transformed understanding of parametric statistical inference.

## Edward C. Bryant Scholarship for an Outstanding Graduate Student in Survey Statistics



**Soumojit Das**

University of Maryland, College Park

## Gertrude M. Cox Scholarship in Statistics Award



**Emily J. Getzen**

University of Pennsylvania

To Emily Getzen for her leadership, her research on fairness and equity in medical AI, and her unfaltering dedication to addressing inequality in both her scholarly work and service endeavors while pursuing a PhD in biostatistics at the University of Pennsylvania.



**Ashley E. Mullan**

Wake Forest University

To Ashley Mullan for her dedication to statistical inquiry, her passion for mentoring, and her extraordinary commitment to scholarly excellence in pursuit of her master's degree in statistics at Wake Forest University.

## Gertrude M. Cox Scholarship in Statistics Award Honorable Mentions



**Marissa C. Ashner**

The University of North Carolina at Chapel Hill

To Marissa Ashner, a PhD student in biostatistics at The University of North Carolina at Chapel Hill, for substantial achievements in biostatistics research and for exceptional leadership to the statistics community.



**Carly L. Brantner**

Johns Hopkins University

To Carly Lupton Brantner for academic excellence in pursuit of a PhD in biostatistics at Johns Hopkins Bloomberg School of Public Health and for exceptional leadership to her biostatistics communities.



**Alyssa Columbus**

Johns Hopkins University

To Alyssa Columbus, biostatistics PhD student at Johns Hopkins Bloomberg School of Public Health, for academic excellence and extraordinary leadership and outreach to the data science community.



**Taylor J. Krajewski**

The University of North Carolina at Chapel Hill

To Taylor Krajewski for her extraordinary commitment to mentoring; for volunteerism and outreach; and for academic success during her pursuit of a PhD in biostatistics at The University of North Carolina at Chapel Hill.

## Jackie Dietz Best *Journal of Statistics and Data Science Education* Paper Award

For the paper, “Integrating Data Science Ethics into an Undergraduate Major: A Case Study” in *Journal of Statistics and Data Science Education*, 30(1)



**Benjamin  
S. Baumer**  
Smith College



**Randi L.  
Garcia**  
Smith College



**Albert Y.  
Kim**  
Smith College



**Katherine  
M. Kinnaid**  
Smith College



**Miles  
Q. Ott**

## W. J. Dixon Award for Excellence in Statistical Consulting



**Eric A. Vance**

University of Colorado Boulder

For developing useful frameworks and strategies to improve consulting and collaboration; for creating a model statistical collaboration laboratory; for establishing the LISA 2020 Global Network of statistics and data science collaboration laboratories in developing countries; and for educating, training, and mentoring students worldwide to expand the extraordinary impact of statistics and data science in research, business, policy, and society.



# American Statistical Association

## *Fellows*



**Tony B. An**

SAS Institute

For development of software in survey data analysis, linear and logistic regression, and calibration and for the exceptional service and leadership to the profession and the ASA.



**Marcus Berzofsky**

RTI International

For development and dissemination of innovative statistical methods for survey researchers; for skillful management of surveys for state and federal agencies; and for dedicated mentoring of statisticians and researchers.



**Erica Brittain**

National Institute of Allergy and Infectious Diseases

For enduring dedication and seminal contributions to the practice and methodology of randomized clinical trials.



**Nichole E. Carlson**

Colorado School of Public Health

For fostering statistical leadership and excellence in clinical and translational team science; contributing to rigorous research on COVID-19 treatments, endocrinology, and lung imaging; and outstanding teaching, mentoring, and service to the profession.



**Matias D. Cattaneo**

Princeton University

For seminal contributions to nonparametric, semiparametric, and high-dimensional statistics, with notable applications to causal inference and program evaluation; for statistical software development; and for interdisciplinary professional service.

**Debbie Cheng**

Boston University

For outstanding contributions to the application of innovative statistical methods to advance research on substance use and HIV, exceptional leadership of biostatistics shared resources and programs, and excellence in training the next generation.

**Jason T. Connor**

ConfluenceStat

For developing high-quality, innovative designs and analyses of Bayesian, adaptive, and platform clinical trials, bringing effective therapies more rapidly to patients, and for excellence in teaching and statistical practice, serving on many FDA panels and DMCs.

**Daniel S. Cooley**

Colorado State University

For leadership and work in extreme value theory and modeling of multivariate extremes; for substantive contributions to the atmospheric and environmental sciences; and for distinguished statistics leadership on committees addressing climate change.

**Xinping Cui**

University of California, Riverside

For exceptional academic leadership; for innovative methodological research in multiple testing, statistical genomics, and bioinformatics; and for excellence in collaborative research in agricultural and biological sciences.

**Adrian Dobra**

University of Washington

For contributions to theoretical and computational aspects of graphical models for discrete and continuous data and for contributions to the application of statistical methods in the social and behavioral sciences.

**David J. Edwards**

Virginia Commonwealth University

For outstanding contributions to statistical application and methodology—especially in the areas of experimental design, statistical engineering, and medical applications—and for exemplary service to the profession.

**Wenjiang Fu**

University of Houston and Michigan State University

For outstanding research on the theory and computation of the lasso; for accomplishment of resolving the identifiability problem in age-period-cohort models and applications; and for dedication to serving the statistics profession and communities.

**Margaret Gamalo**

Pfizer

For exceptional impact to drug development, benefitting millions of patients worldwide; for promoting statistical methods to expedite access of drugs in children and high unmet need diseases; and for sustained and impactful service to the statistical profession.

**Kalyan Ghosh**

Inference

For statistical application in clinical pharmacology, outstanding organizational leadership in statistical consultancy and services, and excellent leadership and service to the statistical profession.

**Phyllis A. Gimotty**

University of Pennsylvania

For exceptional work in cancer research, integrating new statistical methods into basic and clinical research; for strong leadership and mentoring of biostatistics and biomedical students and junior faculty; and for dedicated service to the profession.

**Bo Huang**

Pfizer

For outstanding statistical leadership and consulting in biopharmaceutical industry, extraordinary research and collaboration, exceptional promotion of novel statistical methods to oncology clinical trials, and exemplary service to the profession.

**Emily Griffith**

North Carolina State University

For significant contributions to the statistics profession as a national leader and collaborator whose work and foundational research inform theory and practice, exemplary teaching and mentoring, and key service to ASA.

**Jing Huang**

VeracYTE

For outstanding contributions to the medical research community in the field of statistics; for numerous statistical innovations in genomic tests; and for exemplary leadership and community service to the profession.

**Samuel Christopher Haffer**

US Equal Employment Opportunity Commission

For exceptional contributions to developing and championing policies, processes, and procedures to broaden access to and enhance the use of valid, reliable, and actionable federal data to strengthen policymaking, improve transparency, and foster accountability in public programs.

**Booil Jo**

Stanford University

For contributions to statistical methods for causal inference and latent variables; for application of statistics to mental health; and for service to the profession, particularly through leadership of the Mental Health Statistics Section.

**Tailen Hsing**

University of Michigan

For outstanding contributions to statistical theory—especially in extreme value theory, functional data analysis, spatial statistics, and time series—and for exemplary leadership and service to the profession.

**William Evan Johnson**

Rutgers University

For the development of impactful statistical methods for high-throughput data in biology and medicine, particularly almost universally used methods for batch correction; for leadership in data science education; and for superb mentoring.

**Zonghui Hu**

National Institute of Allergy and Infectious Diseases

For innovative collaborative work in vaccine and treatment research in infectious diseases; for contributions to creating parametric and semiparametric methods for missing data, causal inferences, and clinical trials; and for service to the profession.

**Daniel T. Kaplan**

Macalester College

For profound contributions to statistics and data science education; for revolutionizing how students experience multivariate modeling; for developing visionary software tools; and for furthering professional development in statistics and data science.

**Sunduz Keles**

University of Wisconsin-Madison

For important contributions to methods for the analysis of high-dimensional data, including results from ChIP sequencing and partial regression, and for service to the profession.

**Joseph Koopmeiners**

University of Minnesota

For outstanding contributions to methodological developments in adaptive clinical trials, early-phase trials, tobacco regulatory science, and biomarker validation; for successful knowledge sharing in high-impact science collaborations; for leadership in academic biostatistics; and for contributions to student mentoring and professional service.

**Robert Todd Krafty**

Emory University

For contributions to the analysis of time series and functional data; for the use of statistics in improving mental and behavioral health; and for training statisticians, researchers, and clinicians.

**Shujie Ma**

University of California, Riverside

For outstanding contributions to methodological and theoretical development in nonparametric and semiparametric machine learning and for dedicated and exemplary service to the statistical editorial boards and the profession.

**Himel Mallick**

Merck Research Laboratories

For notable contributions to the development of microbiome and multi-omics data science methods and tools; for exemplary leadership in interdisciplinary collaboration; and for extensive mentoring and prolific service to the profession.

**Tyler Harris McCormick**

University of Washington

For outstanding contributions to analysis of relational data and network science, creativity in using statistical thinking to address problems of societal importance, and exceptional service to the profession.

**Yajun Mei**

Georgia Institute of Technology

For path-breaking research in sequential analysis and change-point detection; for seminal contributions to streaming data analysis in machine learning and data science; and for outstanding service to the profession.

**XuanLong Nguyen**

University of Michigan

For fundamental contributions to statistics, including optimal transport-based theory of latent variable models and Bayesian non-parametrics; for geometric and variational inference; and for exemplary mentorship and service to the statistical profession.

**Jing Ning**

MD Anderson Cancer Center

For exceptional contributions in statistical methods for valid inferences in the presence of biased data, modeling complex survival data, and innovative adaptive clinical trial designs; for outstanding applications of statistics in cancer prevention and treatment; and for excellence in professional service and mentoring.

**Layla Parast**

The University of Texas at Austin

For development of novel robust methods to evaluate surrogate markers, development and application of causal inference methods to evaluate interventions, and application of statistical methods to health applications that inform national policy.

**Marianna Pensky**

University of Central Florida

For research advances in inverse problems, wavelets, signal analysis, and nonparametric and high-dimensional statistics; for educating a generation of students; and for extensive editorial work.

**Inna T. Perevozskaya**

GSK

For outstanding contributions to the statistical profession through development, dissemination, and application of innovative designs in the pharmaceutical industry; for engagement in highly impactful scientific working groups; and for service to the ASA.

**Robert W. Platt**

McGill University

For outstanding contributions to statistical methodology with applications in perinatal research and pharmacoepidemiology; for exceptional mentoring of the next generation of biostatisticians; and for dedicated service to the profession.

**Nancy Potok**

NAPx Consulting

For exceptional statistical leadership of historical significance in advancing integrity, innovations, quality, and use of federal statistics.

**Chad M. Schafer**

Carnegie Mellon University

For outstanding research in statistics with application to astrophysics; for leadership in creating collaborations with the astrophysics research community; and for service to ASA, including the creation of the ASA Astrostatistics Special Interest Group.



**Deo Kumar Srivastave**

St. Jude Children's Research Hospital

For outstanding contributions in advancing pediatric cancer research utilizing sound biostatistical methods; for providing leadership and mentoring; for excellent and sustained contributions in statistical methods; and for dedicated service to the profession.

**Xiaofeng Wang**

Cleveland Clinic

For outstanding scholarly contributions to the methods and applications in the areas of quantitative imaging analysis, clinical data modeling, and approximate Bayesian inference and for significant contributions to collaborative research in medicine.

**Alisa Stephens-Shields**

University of Pennsylvania

For exemplary statistical leadership in medical research; for impactful innovations in clinical trials and causal inference; for contributions to educating, mentoring, and increasing the pipeline of talented, diverse students; and for major professional service.

**Daniel L. Weiner**

For leadership in development of widely used software for the application of nonlinear mixed-effects modeling and computer-assisted trial design in support of pharmaceutical drug development and for excellence in teaching and statistical consulting.

**Kert Viele**

Berry Consultants

For the development and application of innovative Bayesian adaptive clinical trial designs; for the development of clinical trial simulation software; and for being a gifted speaker, an award-winning teacher, and dedicated mentor.

**Lingzhou Xue**

The Pennsylvania State University

For outstanding contributions to statistical methodology and theory in high-dimensional statistics, statistical learning, and nonparametric statistics; for advancing cross-disciplinary research; and for exemplary leadership and professional services.

**Lu Wang**

University of Michigan

For novel contributions to missing data analysis, longitudinal data analysis, and dynamic treatment regimens for personalized health care; for outstanding interdisciplinary research; for leadership in biostatistics education and training; and for excellent service to the profession.

**Corwin M. Zigler**

The University of Texas at Austin

For groundbreaking methodological contributions in causal inference; for innovative applications in environmental epidemiology and other fields advancing insight into policy impacts; and for outstanding mentoring and exemplary professional service.

# American Statistical Association

## Founders



**Karen Kafadar**

University of Virginia

For nearly 30 years of service to the ASA, including serving as council representative for the Colorado-Wyoming Chapter, editor of *Technometrics*, JSM program chair for the Section on Physical and Engineering Sciences, and chair of the Section on Statistical Computing on two separate occasions; for service on nine ASA committees and task forces, including outstanding leadership on the Forensic Science Advisory Committee and Climate Change Advisory Committee; for two terms as a member of the Committee on Publications and two terms on the ASA Board of Directors as publications representative; and for outstanding leadership as the 2019 ASA president.



**Amarjot Kaur**

Merck & Co.

For thoughtful financial leadership of the ASA, including service on the Development Committee, Investments Committee, and ASA Board of Directors as treasurer; for service on the Committee on Fellows, Deming Lectureship Committee, Committee on Applied Statisticians, and Membership Growth Working Group; for leadership in launching the Council of Industry Representatives; for enhancing connections between the ASA and International Indian Statistical Association during presidency of that association; and for relentless interest in ensuring that diverse voices are heard and contribute to the success of the ASA.



### **Mary J. Kwasny**

Northwestern University

For leadership of ASA chapters—including long and outstanding service to the Chicago Chapter, having taken on nearly every leadership role for that chapter—serving as chair of the Council of Chapters Governing Board, and serving on the ASA Board of Directors as Council of Chapters representative; for helping create the Harry V. Roberts Award and leading the award committee; for serving as publications officer for the Section on Statistical Consulting; for serving on the Committee on Nominations and Conference on Statistical Practice Steering Committee; and for leading the ASA's fundraising work as chair of the Development Committee.



### **Vijayan N. Nair**

University of Michigan

For service to the ASA spanning more than 30 years; for leading the journal *Technometrics* as its editor and also by chairing its management committee; for serving on and chairing the Committee on Publications; for serving on the Outstanding Statistical Application Award Committee and Committee on Energy Statistics; for service on the selection committee for the International Prize in Statistics; for leadership on the Committee on Nominations, particularly developing and clarifying procedures; and for providing guidance and wise advice to the association on many occasions.



### **Theresa L. Utlaut**

Intel Corporation

For chairing the Quality and Productivity Statistics Section and Council of Sections Governing Board; for leadership of the Oregon Chapter in several roles, including president; for leadership in launching the ASA Accreditation Program, including serving as chair of the Accreditation Committee; for chairing the Committee on Membership Retention and Recruitment and Committee on Nominations; for serving on the Constitution and Bylaws Review Task Force and Task Force on Sexual Harassment and Assault; and for 10 years of leadership and support of ASA involvement in the International Science and Engineering Fair.

## Mentoring Award



**Narayanaswamy Balakrishnan**

McMaster University

For truly outstanding classroom teaching, mentoring of statistics educators, authorship of important textbooks, editing of the *Journal of Statistics Education*, chairing of ASA's Section on Statistical Education, and other contributions to the profession.

## Outstanding Statistical Application Award

For the paper, "WOMBAT v1.0: A Fully Bayesian Global Flux-Inversion Framework" *Geoscientific Model Development*, 15(1)



**Andrew  
Zammit-Mangion**

University  
of Wollongong



**Michael  
Bertolacci**

University  
of Wollongong



**Jenny Fisher**

University  
of Wollongong



**Ann Stavert**

CSIRO Environment



**Matthew Rigby**

University of Bristol



**Yi Cao**

University  
of Wollongong



**Noel Cressie**

University  
of Wollongong

## Karl E. Peace Award for Outstanding Statistical Contributions for the Betterment of Society



**Bhramar Mukherjee**

University of Michigan

For analysis of the COVID-19 epidemic that has informed policy in India; for seminal contributions to statistical methods in public health and biomedical sciences; for pioneering methods for the integration of genes, environment, and disease phenotypes across health conditions; and for leadership in statistics and in nationally recognized initiatives to diversify the data and statistical science workforce.



## Bob Riffenburgh Award



**Michael C. Wu**

Fred Hutchinson Cancer Center

For his contributions transferring and extending knowledge from machine learning to biological applications. In recognition of the significant impact of his work on research in human genetics and microbiology.

## Monroe G. Sirken Award in Interdisciplinary Survey Methods Research



**Andrew Gelman**

Columbia University

For contributions to interdisciplinary research in the political, medical, and social and behavioral sciences, especially his scholarly textbooks and articles on Bayesian methods and the development of the widely used multivariate regression with poststratification methods in political polls and implementation with computational tools such as Stan.

## Statistical Partnerships Among Academe, Industry, and Government (SPAIG) Award

For the paper, "Bayesian Probability of Success for Clinical Trials Using Historical Data" *Statistics in Medicine*, 34(2)

### **Joseph G. Ibrahim**

The University of North  
Carolina at Chapel Hill

### **Joseph F. Heyse**

Merck & Co.

### **Ming-Hui ChenChen**

University  
of Connecticut

### **Frank Liu**

Merck & Co.

### **Sungduk Kim**

NCI

### **Jianxin Lin**

Merck & Co.

### **Donglin Zeng**

The University of North  
Carolina at Chapel Hill

### **Guoqing Diao**

The George Washington  
University

### **Ethan Alt**

The University of North  
Carolina at Chapel Hill

### **Amarjot Kaur**

Merck & Co.

## Waller Awards

### Waller Distinguished Teaching Career Award



**William I. Notz**

The Ohio State University

For truly outstanding classroom teaching, mentoring of statistics educators, authorship of important textbooks, editing of the *Journal of Statistics Education*, chairing of ASA's Section on Statistical Education, and other contributions to the profession.

### Waller Education Award



**Albert Y. Kim**

Smith College

For excellence in teaching, development of innovative curricular and teaching materials, and commitment to mentoring.

## Samuel S. Wilks Memorial Award



**Jeremy M. Taylor**

University of Michigan

For exceptional research in statistical methods and being an exemplary role model for interdisciplinary research in statistics with fundamental contribution to AIDS and cancer research, plus a superb mentor and a statistician who has made numerous leading contributions to the profession.

## W. J. Youden Award in Interlaboratory Testing

For the paper, "Batch Effects Removal for Microbiome Data via Conditional Quantile Regression" in *Nature Communications* 13, 5418 (2022)

**Wodan Ling**

**Jiuyao Lu**

**Ni Zhao**

**Anju Lulla**

**Anna M.  
Plantinga**

**Weijia Fu**

**Angela Zhang**

**Hongjiao Liu**

**Hoseung Song**

**Zhigang Li**

**Jun Chen**

**Timothy W.  
Randolph**

**Wei Li A. Koay**

**James R. White**

**Lenore J. Launer**

**Anthony A.  
Fodor**

**Katie A. Meyer**

**Michael C. Wu**

# Special Lectures

## ASA President's Address



**Dionne Price**  
US Food and Drug  
Administration

## Deming Lecturer Award



**Malay Ghosh**  
University of Florida

## President's Invited Speaker



**Robert Santos**  
US Census Bureau

## Gottfried E. Noether Awards

### Noether Distinguished Scholar Award

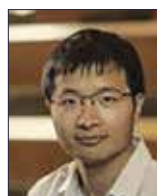


**Tony Cai**  
University of Pennsylvania

### Noether Early-Career Scholar Award



**Chao Gao**  
The University of Chicago



**Weijie Su**  
University of Pennsylvania

## Section, Chapter, and Other

# Awards

### Section on Bayesian Statistical Science

#### Student Travel Awards

Xinyuan Tian  
Francesco Gaffi  
Rentian Yao  
Yichen Zhu  
James Willard  
Filippo Ascolani  
Yunan Gao  
Masha Naslidnyk  
Joseph Feldman  
Yueqi Shen

### Biometrics Section

#### Annie T. Randall Innovator Award

Felicia Simpson

### Biopharmaceutical Section

#### Student Paper Award

Rebecca Silva, 1st Place  
Xiaohan Chi, 2nd Place  
Jingyi Lin, 3rd Place

### Business and Economics Statistics Section

#### 2023 Zellner Thesis Award

Davide Viviano

### JSM Early Career Paper Awards

Sarah Lotspeich, *David P. Byar Early Career Award*  
Rong Ma  
Cole Manschot  
Chao Cheng  
Bangyao Zhao

### Section on Statistics in Defense and National Security

#### JSM Student Poster Awards

Madison McGovern  
Ebenezer Yawlui  
Sumit Kumar Kar  
Zakaria Faddi  
Zheming Gou

#### CoDA Student Poster Award

Kevin Doherty  
Michael Geyer  
Jordan Stomps  
Sophie Quynn  
Desiree Dominguez

### Section on Statistics and the Environment Section

#### Distinguished Achievement Award

Daniel Cooley

#### Early Investigator Award

Staci Hepler  
Rajarshi Guhaniyogi

### GSS/SRMS/SSS

#### Student Paper Award

Elizabeth (Betsy) Bersson  
Yuke Wang  
Yi Zhang  
Melody Huang  
Rahul Singh

### Health Policy Statistics Section

#### Student Paper Awards

Leo Li  
Sierra Pugh  
Nicolas Hartman  
Jiayi Tong  
Larry Han

### Section on Statistics in Imaging

#### Student Paper Award

Guoxuan Ma

### Section on Statistical Learning and Data Science

#### Student Paper Awards

Susan Murphy  
Jing Lei  
Ali Shojaie  
Jillian Fisher  
Yang Xu  
Beomjo Park  
Shushu Zhang  
Chanwoo Lee  
Kenta Takatsu  
Shuting Shen

### Section on Medical Devices & Diagnostics Section Student Paper Awards

Katherine Young  
Qi Yu

### Section on Physical and Engineering Science

#### Statistics in Physical and Engineering Sciences Award

Jenny Fisher  
Matt Rigby  
Ann Stavert  
Andrew Zammit Mangion

### Section on Teaching Statistics in the Health Sciences

#### Distinguished Achievement Award

Scott Evans

#### Outstanding Teaching Award

Thomas Braun

#### Young Investigator Award

Amanda Ellis

#### Best Contributed Presentation Award

Ashley Peterson

### Survey Methodology

#### Waksberg Award

Richard Valliant

## Outstanding Section Service Award

### **Glen Wright Colopy**

Section on Statistical Learning  
and Data Science

For outstanding service to the Statistical Learning and Data Science Section as webmaster, program chair/chair-elect, ASA's Data Science Communication Project, and establishment of the "Pod of Asclepius," a health care technology data science podcast series.

### **Ying Ding**

Lifetime Data Science Section

For playing a vital role in several capacities and for many years on the Lifetime Data Science Executive Committee, with major contributions to the LiDS Webinar Committee, LiDS Conference Local Organizing Committee, and as JSM program chair.

### **Rebecca Medlin**

Section on Statistics in Defense  
and National Security

In recognition of her extraordinary dedication and service to SDNS and DataWORKS, serving as secretary, treasurer, and conference co-chair.

### **Jennifer Parker**

Government Statistics Section

For being an invaluable member of the GSS executive board, her unwavering commitment to GSS, and the recruitment of new members to the board. For leading innovative work throughout the federal statistical system, ensuring the continued success of ASA.

### **Michael Rutter**

Section on Statistics in Sports

For longtime service to the American Statistical Association's Section on Statistics in Sports, particularly for organizing the annual student poster competition.

## Outstanding Chapter Service Award

### **Revathi Ananthakrishnan**

Princeton-Trenton Chapter

### **John M. Rinehart**

Harrisburg Chapter

In recognition of the many years of dedicated service to the ASA Harrisburg Chapter and lasting impact on the community.

## Conference on Statistical Practice Awards



### **John J. Bartko Scholarship Award**

### **Michael Palazzolo**

Brigham and Women's Hospital



### **Lester R. Curtin Award**

### **Yuxuan (Daisy) Jin**

Cleveland Clinic



### **Lingzi Lu Memorial Award**

### **Lydia Suzanne Gibson**

California State University,  
East Bay

## Blackwell Award Lecture



**Ya'acov Ritov**

University of Michigan

*Minimax vs. (Empirical) Bayes Prediction*

## Harry C. Carver Medal



**Leif Döring (2023)**

University of Mannheim



**Xuming He (2022)**

University of Michigan

# Institute of Mathematical Statistics

## Fellows



**Rina Foygel Barber**

The University of Chicago

For groundbreaking contributions to selective inference, including the development of the knockoff filter; for groundbreaking contributions to model-free predictive inference, including the jackknife+ and adapting conformal inference to covariate shifts; and for being a role model in every possible way as a lecturer, communicator, and research adviser to students and younger researchers.



**Holger Drees**

Hamburg University

For deep and penetrating contributions to the theory and application of extreme value theory, from independence to stationary sequences.



**Stefano Favaro**

University of Torino and Collegio Carlo Alberto

For outstanding and innovative contributions to random discrete distributions, with applications to Bayesian nonparametrics and abundance of unseen species, and pioneering work on differential privacy and statistical fairness.



**Heather Battey**

Imperial College London

For contributions to statistical theory and applied probability, particularly for work on new approaches to well-calibrated high-dimensional and conditional inference, and for work on development of the theoretical foundations of statistical inference.



**Yang Feng**

New York University

For outstanding contributions to high dimensional statistics, nonparametric statistics, social network analysis, and statistical machine learning; for statistical software development; and for dedicated service to the profession.



**Pierre C. Bellec**

Rutgers University

For fundamental contributions to statistical inference and adaptive estimation with high-dimension data, especially to confidence intervals, risk estimation, adaptive parameter tuning, and estimator aggregation.



**David Gamarnik**

Massachusetts Institute of Technology

For contributions to discrete probability, including the theory of random graphs, algorithms, and computations, as well as queueing theory.



**Wensheng Guo**

University of Pennsylvania

For many seminal contributions to statistical theory and methodology in the analysis of high-dimensional correlated data such as those occurring in longitudinal studies, functional modeling, and time series.

**Edward L. Ionides**

University of Michigan

For distinguished contributions to the theory and practice of statistical inference for partially observed stochastic dynamic systems, with applications including infectious disease transmission.

**Keith Knight**

University of Toronto

For developing elegant mathematical statistics, including seminal contributions to quantile regression, the theoretical understanding of penalized regression methods, and breakthroughs in time series methods and robust statistics.

**Ioannis Kontoyiannis**

University of Cambridge

For outstanding contributions to fundamental problems in information theory and for consistent and important contributions to developing the deep connections of information theory with probability and statistics.

**Shuangge Ma**

Yale University

For fundamental contributions to methodology and theory of high-dimensional statistics and survival analysis and for outstanding contributions and leadership in the practice of statistics in public health and biomedicine.

**Lester Mackey**

Microsoft Research

For deep theoretical work in statistical machine learning with impactful applications.

**Boaz Nadler**

Weizmann Institute of Science

For seminal contributions to multivariate statistical analysis, pattern recognition, diffusion maps, machine learning, signal processing, and neuroscience.

**Marcel F. Nutz**

Columbia University

For outstanding contributions to probability—particularly to optimal transport, stochastic analysis, and mathematical finance—and for dedicated service to the profession.

**Oliver Scaillet**

University of Geneva and Swiss Finance Institute

For contributions to copula modeling, to tests of independence, goodness-of-fit testing, weak convergence tools for such inference, and to quantitative finance and insurance.

**Ali Shojaie**

University of Washington

For impactful contributions to statistical machine learning and statistical network analysis, including estimation and inference of directed and undirected graphical models, and high-dimensional time series; for leadership in educational initiatives to train data-savvy biomedical scientists; and for outstanding service to the community.



**Scott Antony Sisson**

University of New South Wales, Sydney

For substantial contributions to research in computational and Bayesian statistics, statistical extreme value theory, and the application of statistical methodology in a range of applied disciplines; for many leadership positions; and for significant contributions to professional statistical bodies.

**Elizabeth H. Slate**

Florida State University

For substantial contributions to the theory of reparameterization and for research on oral health and the link between selenium and cancer.

**Dylan Small**

University of Pennsylvania

For profound and influential research contributions to the theory, methodology, and application of causal inference; for heroic service to the profession as department chair, editor, associate editor, and conference organizer; and for excellence in the teaching, advising, and supervision of doctoral students.

**Fengzhu Sun**

University of Southern California

For outstanding developments and applications of probability and statistics methods to central biological and biomedical problems, particularly protein interaction networks and metagenomics.

**Surya T. Tokdar**

Duke University

For intellectual leadership in several fields of Bayesian inference—including posterior consistency, just-right smoothing, and frequentist properties of Bayesian estimates—and for novel models for the analysis of neuroscience data.

**Hansheng Wang**

Peking University

For fundamental contribution to high-dimensional data analysis, including regularization parameter selection in shrinkage estimation and feature screening for ultrahigh dimensional data; for important contribution to dimension reduction and network data analysis; for his excellent editorial service; and for his excellent service on dissemination of statistical knowledge to business education and application.

**Yihong Wu**

Yale University

For contributions to both the statistical and computational aspects of high-dimensional and combinatorial statistical problems, mixture models, and empirical Bayes.

**Eric Poe Xing**

Carnegie Mellon University, Mohamed Bin Zayed University of Artificial Intelligence

For pioneering contributions to statistics and machine learning research, entrepreneurship in artificial intelligence, and leadership in AI education.

**Kai Zhang**

The University of North Carolina at Chapel Hill

For novel contributions to post-selection inference, high-dimensional inference, and nonparametric inference.

**Dale L. Zimmerman**

University of Iowa

For the development of fundamental theory and methodology associated with complex spatial, spatiotemporal, and longitudinal data and applications to optimal spatial sampling, health data geoprivacy, and environmental statistics and for outstanding editorial service to the profession.

## Peter Gavin Hall IMS Early-Career Prize



**Aaditya Ramdas**

Carnegie Mellon University

For significant contributions in the areas of reproducibility in science and technology; active, sequential decision-making; and assumption-light uncertainty quantification.

## Grace Wahba Award Lecture



**Wing-Hung Wong**

Stanford University

*Causal Inference by Encoding Generative Modeling*

## Tweedie New Researcher Award



**Jonathan Niles-Weed**

New York University

## Hannan Graduate Student Travel Awards



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## New Researcher Travel Award



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# Special Lectures

## IMS Presidential Address



**Peter Bühlmann**

ETH Zurich

*IMS: What Does It Stand For?  
What Could It Stand For?*

## Medallion Lecture III



**Yingying Fan**

University of Southern California

*High-Dimensional Random  
Forests Estimation and Inference*

## Medallion Lecture I



**Ingrid Van Keilegom**

KU Leuven

*Copula-Based Cox Proportional  
Hazards Model for Dependent  
Censoring*

## Medallion Lecture IV



**Aurore Delaigle**

University of Melbourne

*Measurement Errors in Diet  
and Nutrition*

## Medallion Lecture II



**Runze Li**

Penn State University

*Feature Screening for Ultra-High  
Dimensional Data: Methods  
and Applications*

## Wald Lecture I & II



**Bin Yu**

University of California, Berkeley

*Seeking Boolean Interactions  
in Biomedicine and Proofs  
Sparse Dictionary Learning and  
Deep Learning in Practice and Theory*

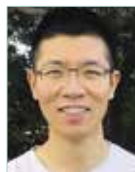
## Lawrence D. Brown PhD Student Award Session



**Yaqi Duan**

Massachusetts Institute  
of Technology

*Optimal Policy Evaluation  
Using Kernel-Based Temporal  
Difference Methods*



**Yuetian Luo**

University  
of Wisconsin-Madison

*Tensor-on-Tensor Regression:  
Riemannian Optimization,  
Over-Parameterization,  
Computational Barriers,  
and Their Interplay*



**Tudor Manole**

Carnegie Mellon University

*Plugin Estimation of Smooth  
Optimal Transport Maps*



# Committee of Presidents of Statistical Societies (COPSS)

# AWARDS

## 2022 Presidents' Award



**Daniela Witten**

University of Washington

For bridging the gap between the questions that scientists are asking about their data and the statistical methods that are available to provide insightful answers, especially in the context of biomedical research; for developing flexible and interpretable approaches for modeling large-scale and high-dimensional data; and for the significant elevation of statistical science via successful translation of statistical ideas to a broad audience.

## George W. Snedecor Award



**Michael Kosorok**

The University of North Carolina  
at Chapel Hill

For foundational, creative, and original contributions to mathematical statistics; for methodological developments in empirical processes and machine learning; for advancement of precision health; and for mentoring of students, postdocs, and junior faculty.

## COPSS Distinguished Achievement Award and Lectureship



**Bin Yu**

University of California, Berkeley

*Veridical Data Science Toward Trustworthy AI*

## Florence Nightingale David Award



**Karen Bandeen-Roche**

Johns Hopkins University

*More Than Freedom from Disease: A Quest  
to Determine 'Health'*

# Leadership Academy



## **Yates Coley**

Kaiser Permanente Washington Health  
Research Institute

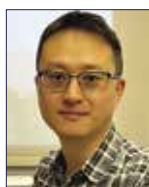
For impactful statistical contributions in the areas of ethical clinical prediction model development and learning health systems science and for significant leadership and advocacy to advance justice, equity, diversity, and inclusion in the profession and practice of statistics.



## **Lorin Crawford**

Microsoft Corporation, Brown University

For path-breaking research combining theory and methods of mathematics, statistics, and computing to generate new knowledge and insight about the genetic basis of disease; for exceptional contributions to mentoring of students from multiple scientific disciplines; and for demonstrating leadership and vision through promotion and development of trans-disciplinary research in data science.



## **Peng Ding**

University of California, Berkeley

For outstanding contributions to the foundations and applications of causal inference, for both randomized experiments and observational studies, with emphasis on settings with high-dimensional covariates and complex structures.



## **Edgar Dobriban**

University of Pennsylvania

For fundamental contributions to the development of random matrix theory-based statistical methods; theory for analyzing massive data sets; uncertainty quantification in machine learning, including parallel analysis for principal component analysis, distributed statistical learning, and scalable inference via random projections; for innovative methods for COVID-19 pooled testing using hypergraph factorization; and for outstanding mentoring.



## **Avi Feller**

University of California, Berkeley

For ground-breaking research in causal inference and program evaluation; for bridging statistics, public policy, and education research; and for commitment to building a more inclusive field.



## **Jingyi Jessica Li**

University of California, Los Angeles

For innovative and disruptive research at the junction of statistics and biology, especially in statistical genomics; for advocacy of the importance of statistical rigor in the biomedical science community; and for outreach efforts and commitment to improve the diversity in quantitative research.



## **Veronika Rockova**

The University of Chicago

For groundbreaking contributions to theory and methodology at the intersection of Bayesian and frequentist statistics; for outstanding editorial service to the profession; and for excellence in the advising and supervision of doctoral students.



## **Gongjun Xu**

University of Michigan

For making numerous breakthroughs on challenging problems in the behavioral sciences, particularly in education and psychometrics; for significant theoretical and methodological contributions to latent variable models, high-dimensional inference, and survival and recurrent events analysis; and for outstanding editorial services and leadership.



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