AMERICAN STATISTICAL ASSOCIATION



Fellows



EDOARDO M. AIROLDI *Temple University*

For contributions to foundations of network data analysis, to causal inference and experimental design in complex settings, and to statistical computing; for promoting statistics and data science across disciplinary boundaries; and for exceptional mentoring of students and postdocs.



GARNET L. ANDERSON

Fred Hutchinson Cancer Research Center For exemplary statistical leadership in clinical trials and coordinating centers for large prevention studies—in particular, the Women's Health Initiative—and for leadership in public health, both in science and in administration.



REBECCA ROBERTS ANDRIDGE *The Ohio State University* For influential research on missing data; for outstanding collaborative research; for superb and innovative classroom and distance teaching of statistics; and for editorial service to the profession.







MINE ÇETINKAYA-RUNDEL

University of Edinburgh and RStudio For leadership in education in statistics and data science; for creative developments in statistics and data science education; for sustained mentoring and outreach; and for outstanding service to the ASA.

KWUN CHUEN GARY CHAN

University of Washington

For outstanding contributions to the methodology of preferential sampling design, observational data, and complex lifetime data; for substantive biomedical applications; and for dedication to the mentoring of junior statisticians and health researchers.

CHUNG-CHOU H. CHANG

University of Pittsburgh

For demonstrated ability to advance the field of biostatistics; for being an invaluable collaborator and co-investigator for a large number of clinical researchers; and for being a superb teacher and mentor of students throughout the health sciences.



FANG CHEN SAS Institute Inc.

For promoting greater practice of Bayesian paradigm through development of high-quality software; for visionary leadership in statistical software development; and for significant service to the profession through widespread dissemination of knowledge on Bayesian methods and computation.



YONG CHEN

University of Pennsylvania Perelman School of Medicine

For major contributions to the methodology of evidence synthesis; for outstanding research in inference under nonstandard conditions, robust inference, and composite likelihood; for bridging statistics and informatics; and for service to the profession.



WILLIAM SCOTT CLARK

Eli Lilly and Company For developing and implementing an innovative leadership-based strategy at Eli Lilly; for championing diversity and inclusion across many dimensions; and for coaching, mentoring, collaborating, and partnering in ways that empowered hundreds of research scientists and statisticians.



MANISHA DESAI

Stanford University

For excellent collaboration in oncology and physical activity; for development of methods dealing with missing data; for mentorship of junior statisticians; and for leadership in the development of a model for establishing a statistical unit in an academic medical center.











FELICITY BOYD ENDERS Mayo Clinic

For extraordinary efforts as a consultant and team scientist in the application of biostatistical methods and transformational research within clinical sciences.

ROBERT BRANDON GRAMACY

Virginia Tech

For contributions to research on surrogate modeling of computer experiments, uncertainty quantification, and Gaussian processes; for service to the society and broader statistical community; and for educational contributions through academic mentoring and workshops.

ERICA LYNN GROSHEN

Cornell - ILR School

For outstanding service to the country and the statistical profession as the commissioner of the Bureau of Labor Statistics; for leadership of Friends of the BLS; and for career contributions to the quality of statistics used in policymaking.

MATTHEW JAMES GURKA

University of Florida

For exemplary leadership in the statistical community and for elevating awareness of the role of statistics and the benefits of engaging statisticians in the pediatric research community through collaborations, research leadership, and service activities.

JAROSLAW HAREZLAK

Indiana University School of Public Health For excellence in the practice of statistics in the areas of functional data analysis, semiparametric regression, and regularization methods and for collaborative contributions in the field of brain imaging and other high-dimensional data applications.



GUIDO W. IMBENS

Stanford Graduate School of Business For excellence in developing methods for drawing causal inferences in observational studies, including matching, instrumental

variables, and regression discontinuity designs; for contributions to statistical education; and for service to the profession by organizing large online seminars.



ANASTASIA IVANOVA

The University of North Carolina at Chapel Hill For outstanding contributions in clinical trial design to advance clinical research and expedite the discovery of treatments that address crucial clinical needs.

YUAN JI The Unive

The University of Chicago

For pioneering contributions to statistical methodology and application, including interval-based dose finding, big data cancer genomics, and bioinformatics using robust Bayes approaches; for providing exemplary public user interfaces; and for exemplary mentorship and service.



LAURA LEE JOHNSON

US Food and Drug Administration For advancing scientific principles on the use of patient experience data in clinical trials for regulatory and policy decisions; for contributions to the design and analysis of trials to evaluate treatments for rare diseases and in integrative health; and for outstanding service to the profession.



PANDURANG M. KULKARNI

Eli Lilly and Company For exceptional and innovative leadership of large statistical organizations; for significant contributions to bringing new medical treatments from discovery to market; for steadfast service to the ASA and the profession; and for outstanding

mentoring and people development.







HOLLYLYNNE STOHL LEE

North Carolina State University For exceptional contributions to teacher preparation and professional development of statistics teachers at K–12 levels; for valuable statistics education research; and for effective and exuberant advocacy promoting statistics and data science education.

JEFFREY T. LEEK

Johns Hopkins Bloomberg School of Public Health For significant contributions to genomic sequencing data measurement and analysis; for groundbreaking work in data science foundations and practice; and for visionary leadership of efforts for worldwide data science outreach and advancement of social justice.

SERGEI LEONOV

CSL Behring

For methodological contributions to optimal experimental design, adaptive designs, and pharmacokinetics in the context of drug development; for leading interdisciplinary project teams in the pharmaceutical industry; and for service to the profession.

JIALIANG LI

National University of Singapore For outstanding contributions to statistical methodology, including diagnostic

medicine, nonparametric regression, and personalized medicine; for outstanding mentoring of students; and for sustained research and collaboration involving statistical analysis of medical data.

LIANG LI

MD Anderson Cancer Center

For excellent and sustained statistical research and collaboration in the analysis of observational longitudinal cohort studies and chronic disease research and for outstanding service to the profession.

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OIZHAI LI

Chinese Academy of Sciences

For outstanding contributions to statistical methodology in cancer genetics and genetic epidemiology, particularly in genomewide association studies and candidate gene analysis, and for key contributions to diagnostic medicine and high-dimensional data analysis in biomedical research.



JASON JINZHONG LIAO Merck & Co., Inc.

For innovative statistical methods and applications in the pharmaceutical industry; for advancing comparability/ biosimilars studies, agreement studies, and assay development; for bringing life-saving drugs to market; and for extensive service to the profession.



CHING-TI LIU

Boston University School of Public Health For outstanding contributions and strong leadership in both the development of innovative statistical methods and in collaborative research to elucidate the genetic basis of complex human traits and for dedicated service to the profession.



LISA M. LIX University of Manitoba

For excellence in advancing statistical methods for chronic health condition research and surveillance and for highly impactful research collaborations and outstanding leadership of educational and statistical activities of national importance.



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SHENG LUO

Duke University For excellent contributions to statistical methods in longitudinal and survival analysis; for scientific contributions to the field of neurological diseases; for exemplary mentorship of students; and for significant service to the profession.



JINCHI LV

University of Southern California For fundamental contributions to high-dimensional statistics, large-scale inference, and machine learning, as well as for outstanding editorial service.

LOUIS T. MARIANO **RAND** Corporation

For excellence in the application of modern statistical methods to novel application, particularly in education and military personnel policy; for outstanding contributions to statistics in public policy; and for leadership in education research.

ROCHELLE WILKIE MARTINEZ

Office of Management and Budget For distinguished leadership to improve the quality of federal statistics, increase the statistical uses of administrative data while protecting confidential data, and increase access to federal data to support evidence-based policy decisions.

KARY MYERS

Los Alamos National Laboratory

For creative leadership, innovative development and application of statistical methods for high-impact collaborations, statistical outreach to the broader scientific community, and outstanding service to the statistics profession.



JENNIFER CLARK NELSON

Kaiser Permanente Health Research Institute For outstanding leadership in methods and partnerships to shape strategies for ensuring public health; for academic-government leadership in efforts with FDA and CDC to leverage electronic health care data networks; and for extensive successful mentoring.



ROBERT A. OSTER

University of Alabama at Birmingham For notable contributions to the health science research community in the field of statistics through diverse collaborations; for furthering statistics education in the health sciences; and for service and exceptional leadership to the ASA and other professional societies.



MARK C. OTTO

US Fish and Wildlife Service For statistical contributions to national wildlife management and time series computing, applications, and methodology; for enthusiastic and sustained service to the profession; and for mentoring of students and young statisticians.



YONGMING QU

Eli Lilly and Company

For substantial and sustained contributions to statistical methodology for clinical trials and drug development; for significant influence and impact on bringing new drugs from research to market; and for excellent service to the profession.



SARAH J. RATCLIFFE

University of Virginia

For the development and application of statistical methodology in women's health, HIV, and critical care medicine; for the development of innovative methods for informative dropout; for outstanding teaching and mentoring; and for service to the profession.

SHERRI ROSE

Harvard Medical School

For outstanding contributions to statistical methodology for health policy, particularly in computational health economics; for exemplary leadership service; and for dedicated mentoring of young scholars and promotion of diversity of the profession.

MICHAEL ROSENBLUM

Johns Hopkins University Bloomberg School of Public Health

For outstanding contributions to statistical methodology and applications, especially with respect to the adaptive design and optimal analysis of randomized trials.

KENNETH J. RYAN

West Virginia University

For significant contributions to the theory of design of experiments and statistically principled machine learning and to applied research for important applications; for the development of an academic program and department and mentorship of students; and for service to the ASA.











BRISA N. SÁNCHEZ

Drexel University

For outstanding leadership in the development of statistical methods, especially those with applications in environmental epidemiology and health disparities; for exceptional service to the profession; and for significant contributions to science.



XIAOFENG SHAO

University of Illinois at Urbana-Champaign For pioneering nonparametric inference for time series and high-dimensional inference using nonlinear dependence metrics, especially in developing self-normalization for dependent data and bootstrapping time series, and for excellence in student mentoring and service to the profession.



ALEXANDRA M. SCHMIDT McGill University

For novel and influential research innovations in spatial and spatio-temporal statistics; for outstanding mentoring of junior statisticians, particularly from South America; and for exceptional service and leadership in the statistical community.



PAMELA A. SHAW

University of Pennsylvania Perelman School of Medicine

For development of innovative statistical methods to address error-prone data, inference in electronic health records, and biomarkers; for outstanding scientific collaborations in nutritional epidemiology, cancer, and immunology; and for contributions to statistical education.



MATTHIAS SCHONLAU

University of Waterloo

For notable contributions to survey methodology in both industry and academia; for serving as a connector between statistics and the social sciences via accessible publications, education, and software; and for service to the profession.



DAMLA SENTURK

University of California, Los Angeles For methodological contributions in semiparametric modeling and functional data analysis; for innovative applications in neuroscience and other allied disciplines; for outstanding teaching and mentoring; and for exemplary service to the profession.





YIYUAN SHE

Florida State University

For novel and sustained contributions to high-dimensional and robust statistics; for promotion of sound application of statistical theory and optimization in signal processing and machine learning; and for excellence in mentoring, instruction, and service to the profession.

RAJESHWARI SUNDARAM

National Institute of Child Health and Human Development

For innovative statistical applications to high-impact problems in reproductive epidemiology and public health; for outstanding methodological contributions to survival analysis and joint modeling of longitudinal and survival data; and for service to the profession.



LEHANA THABANE

St Joseph's Healthcare Hamilton

For outstanding contributions to statistical methodology in clinical trials, especially in pilot and feasibility studies; for award-winning teaching; and for exemplary leadership and collaborations in applications of statistics in evidence-based health practice.



HAONAN WANG

Colorado State University

For pioneering work in object-oriented data analysis; for fundamental contributions to statistical learning, spatial statistics, and model selection; and for service to the profession.



DANIELA M. WITTEN University of Washington

For pioneering work in statistical learning; for developing new and impactful statistical methods for analysis of data from diverse fields; and for innovation in teaching and communicating statistical machine learning to a broad nontechnical audience.



VICTOR J. YOHAI

Universidad de Buenos Aires For outstanding research contributions in robustness for linear models, multivariate methods, and time series; for leadership in statistics in Latin America; and for creating a group of excellence in robustness in Argentina.







KAIYU

National Cancer Institute

For developing creative and effective statistical methods for genetic and molecular epidemiologic studies and for outstanding contributions to large-scale collaborative projects of high importance for public health.

ZHENGYUAN ZHU

Iowa State University

For excellence in survey practice; for superb contributions to statistical theory and methods in spatial statistics, spatial sampling design, survey statistics, and functional data analysis; and for service to the profession.

RICHARD CONRAD ZINK

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