



*Promoting the Practice and Profession of Statistics*

# NEWS

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## ASA HONORS 59 NEW FELLOWS

ALEXANDRIA VA, JUNE 5, 2013 – The American Statistical Association (ASA), the nation's preeminent professional statistical society, today announced 59 members are being honored as 2013 ASA Fellows.

Honorees are being recognized for outstanding professional contributions to and leadership in the field of statistical science. The new fellows are from 21 states and six countries. An alphabetical list of the new ASA Fellows and the citation for each follows this release. The fellows will be awarded certificates at a ceremony August 6 at the annual Joint Statistical Meetings in Montréal, Québec, Canada.

"I congratulate the 59 members who are being honored as new ASA Fellows," said ASA President Marie Davidian. "Their collective accomplishments have contributed greatly to the advancement of statistical science and have rightfully earned them the respect and admiration of their ASA peers."

The designation of ASA Fellow has been a significant honor for nearly 100 years. Under ASA bylaws, the Committee on Fellows can elect up to one-third of one percent of the total membership as fellows each year. Individuals are nominated by their peers in the association membership. To be honored, nominees must have an established reputation and have made outstanding contributions in statistical science. The Committee on Fellows evaluates each candidate's contributions to the advancement of statistical science and places due weight to published works, the position held with their employer, ASA activities, membership and accomplishments in other societies and other professional activities.

### ***About the American Statistical Association***

The American Statistical Association is the world's largest community of statisticians and the second-oldest continuously operating professional society in the United States. Its members serve in industry, government and academia in more than 90 countries, advancing research and promoting sound statistical practice to inform public policy and improve human welfare. For additional information about the American Statistical Association, please visit the ASA website at [www.amstat.org](http://www.amstat.org).

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## 2013 AMERICAN STATISTICAL ASSOCIATION FELLOWS

### **Keaven M. Anderson, Merck Research Laboratories, North Wales, Pennsylvania**

For innovative contributions to biostatistics including methodological advances in sequential analysis and adaptive designs, for providing useful tools for designing clinical trials and for influential leadership of groups of statisticians involved in drug development.

### **Michael I. Baron, University of Texas at Dallas, Richardson, Texas**

For outstanding contributions to the theory and applications of sequential analysis and change-point problems, excellence in teaching and mentoring of doctoral students, dissemination of statistical knowledge via book authorship, and promotion of statistical research in diverse areas of industry.

### **Scott Berry, Berry Consultants, Austin, Texas**

For outstanding contributions to innovative design and analysis of clinical trials, including a highly regarded textbook and an award-winning ASA short course; for excellence in the development and dissemination of Bayesian methods with applications in medicine and sports, for mentoring others in the statistical science community and for service to the ASA.

### **William A. Brenneman, Procter & Gamble Company, Cincinnati, Ohio**

For outstanding leadership in transforming the use of statistics in a corporate environment, for successfully forging productive collaborations between the corporate and academic spheres, for teaching and mentoring in multiple realms, and for valued service to the profession.

### **Zongwu Cai, University of Kansas, Lawrence, Kansas**

For significant contributions to theory and methods related to nonlinear time series, financial modeling and econometrics, for excellence in consulting on topics of broad societal importance, for development of PhD students and dedicated editorial service to the profession.

### **Patrick J. Cantwell, U.S. Census Bureau, Washington, D.C.**

For outstanding contributions to the design of household, business and coverage-evaluation surveys and for service to the profession.

### **Ralph B. D'Agostino Jr., Wake Forest School of Medicine, Winston-Salem, North Carolina**

For outstanding contributions to applied statistical and medical research, for significant leadership on large scale multi-center statistical coordinating centers, for important contributions to the conduct of research studies, and for service to the profession.

### **Tim Davis, We Predict Ltd., Warwick, United Kingdom**

For outstanding technical contributions to industrial statistics in the areas of quality and reliability and influential leadership and effective management of statistical activities in the automobile industry.

**Elizabeth R. DeLong, Duke University Medical Center, Durham, North Carolina**

For seminal research in the analysis of ROC curves and provider profiling, high quality collaborations in cardiovascular outcomes research, and exceptional administrative leadership as chair of a large academic biostatistics department.

**Vladimir Dragalin, Aptiv Solutions, Durham, North Carolina**

For excellence in statistical consulting in the pharmaceutical industry, for important contributions to theory and methods for design and analysis of clinical trials, especially dose-finding studies, sequential analysis and adaptive designs, for the advancement of software to enable innovative trial designs and for service to the profession.

**Josée Dupuis, Boston University School of Public Health, Boston, Massachusetts**

For outstanding contributions to the development and application of statistical methods for genetics data; for excellence of collaborative research in mapping human complex disease genes; and for significant service to the profession, particularly at the interface of statistics with genetic epidemiology and medicine.

**Sylvia R. Esterby, University of British Columbia Okanagan, Kelowna, British Columbia, Canada**

For passionate and pioneering leadership in the fields of environmental and ecological statistics, and for extraordinary interdisciplinary service to the profession and our ecosystem.

**Christopher R. Genovese, Carnegie Mellon University, Pittsburgh, Pennsylvania**

For fundamentally important contributions to statistical theory and methodology and their applications to diverse scientific problems; for using scientific problems to inspire new statistical theory; for innovation in statistical pedagogy and for service to the ASA.

**William F. Guthrie, National Institute of Standards & Technology, Gaithersburg, Maryland**

For outstanding statistical contributions to the science and engineering discipline, including providing leadership in bringing Bayesian methods to the metrology community, and for exceptional service to the ASA.

**Timothy E. Hanson, University of South Carolina, Columbia, South Carolina**

For seminal contributions to the theory, application and practical implementation of Bayesian nonparametric models and their application to survival analysis, regression and diagnostic outcome data; for authoring a widely-used Bayesian textbook, editorial service, outstanding teaching, mentoring and service to the profession.

**Jennifer A. Hoeting, Colorado State University, Fort Collins, Colorado**

For outstanding research contributions to Bayesian methodology, statistical computing and environmental statistics; for advancing the field of computational statistics, including a highly regarded textbook; for excellence in teaching and for service to the profession.

**Jianhua Huang, Texas A&M University, College Station, Texas**

For influential contributions to the theory, methodology and practice of nonparametric and semiparametric methods, longitudinal and functional data analysis, and statistical learning; and for excellence in mentoring.

**Sin-Ho Jung, Duke University, Durham, North Carolina**

For influential role and innovative and translational contributions to statistical theory, design, and methods in cancer clinical trials that have had significant impact on public health and for service to the profession.

**Mel Kollander, Kollander Associates, Alexandria, Virginia**

For international recognition in the innovative application of statistical and survey methodology, especially in the area of human exposure to airborne pollutants and pesticides; and for service to the profession.

**Youngjo Lee, Seoul National University, Seoul, South Korea**

For significant contributions to methodological research and applications in generalized linear modeling, especially in generalized mixed models and hierarchical generalized linear models; for creating and leading interdisciplinary research work involving statistics and various other fields.

**Julie Legler, St. Olaf College, Northfield, Minnesota**

For outstanding contributions to statistical education and for exemplary leadership in undergraduate statistics programs

**Brian G. Leroux, University of Washington, Seattle, Washington**

For significant methodological contributions to mixture distributions and hidden Markov models, the analysis of correlated data, and clinical trials; for extensive collaboration in applications of statistics; for administration of coordinating centers for clinical research; and for leadership in advancing and communicating the role of statistics in oral health research.

**William Li, University of Minnesota, Minneapolis, Minnesota**

For outstanding research in the design and modeling of experiments; for excellent contributions to statistics education; and for dedicated service to the profession.

**Hua Liang, University of Rochester Medical Center, Rochester, New York**

For outstanding contributions to statistical methodology, especially in semi-parametric regression and measurement errors models; for important research in HIV/AIDS dynamics; and for service to the profession.

**Stuart Lipsitz, Brigham and Women's Hospital, Boston, Massachusetts**

For seminal and sustained contributions to the methodology of categorical, longitudinal and missing data analysis, and for statistical contributions to the cancer, AIDS, cardiotoxicity, surgery and health care practices.

**Qing Liu, Janssen Research and Development, J&J, Raritan, New Jersey**

For important theoretical and practical contributions to adaptive designs in clinical trials, for excellence in leading and consulting on many topics and programs in drug development, for steadfast service to the biopharmaceutical community both in government and industry.

**Yufeng Liu, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina**

For excellent methodological research and interdisciplinary collaboration in statistical machine learning, high dimensional data analysis, and bioinformatics; for exemplary mentoring of students; and for service to the profession.

**Richard A. Lockhart, Simon Fraser University, Burnaby, British Columbia, Canada**

For distinguished contributions to statistical methods, especially in goodness-of-fit, asymptotic theory and inference for stochastic processes; and for exceptional influence and exemplary leadership across scientific disciplines.

**J. Scott Long, Indiana University, Bloomington, Indiana**

For his integrative writing, teaching, and statistical software on limited dependent variable models, his influential manuscripts on structural equation models, his path-breaking book on workflow, and his key role in creating a new Department of Statistics at Indiana University.

**W.Y. Wendy Lou, University of Toronto, Toronto, Ontario, Canada**

For notable contributions to the distribution theory of runs and patterns; for remarkable collaborations in the biomedical and healthcare sciences; for exemplary leadership in statistical education and outstanding service to the profession.

**Thomas E. Love, Case Western Reserve University, Cleveland, Ohio**

For exemplary service and significant leadership in the statistical community, for notable contributions to statistical education, and for extensive collaborative efforts in clinical and health services research.

**Shuangge Ma, Yale School of Public Health, New Haven, Connecticut**

For contributions to methodologies and theories for high-dimensional data analysis, semiparametrics, and survival analysis, and their applications in biomedical sciences; for statistical applications in cancer research and health economics; and for promoting statistical practice.

**Craig H. Mallinckrodt, Eli Lilly & Co., Indianapolis, Indiana**

For the development and implementation of novel methods in longitudinal and missing data analysis, for stellar contributions to clinical trial methodology and consulting related to drug development, for statistical education through book authorship and effective training, and for service to the profession.

**Madhu Mazumdar, Weill Cornell Medical College, New York, New York**

For excellence in leading biostatistical collaborative efforts with major impacts on treatments in oncology and orthopedic surgery; for efficiency in developing and reforming multiple biostatistics units; for outstanding mentoring of biostatisticians, clinical faculties, and research fellows; and for substantial editorial review work ensuring quality reporting of statistical results in clinical journals.

**Lisa Meier McShane, National Cancer Institute, Bethesda, Maryland**

For outstanding statistical contributions to development of clinical tests for personalized medicine, international efforts to improve the quality and reproducibility of tumor marker research, exceptional ability to communicate statistical principles to cancer researchers, and distinguished service to the statistics profession.

**Fabrizia Mealli, University of Florence, Florence, Italy**

For excellence in developing innovative statistical methods in causal inference, missing data and duration data analysis; for distinguished contributions to statistical education; and for service to the profession.

**Alfredo Navarro, U.S. Census Bureau, Germantown, Maryland**

For significant contributions to the production of estimates of major national importance for monitoring the social and economic status of the U.S. population through the management, statistical design, and operation of the American Community Survey and for notable leadership contributions to educating the public on the use of the American Community Survey data.

**Susan M. Paddock, RAND Corporation, Santa Monica, California**

For excellence in statistical consulting on public policy research, for integrating innovative statistical methodology with substantive problems of national healthcare policy, and for noteworthy service to the profession.

**Ruth M. Pfeiffer, National Cancer Institute, Bethesda, Maryland**

For leadership in developing statistical methods for modern epidemiologic studies especially related to genetic and molecular data, for excellence in consulting and collaboration on high-impact scientific and medical studies and for outstanding mentorship of pre- and post-doctoral fellows.

**Polly Phipps, Bureau of Labor Statistics, Washington, DC**

For outstanding contributions to statistical methodology and survey design in the areas of nonresponse and bias reduction, for pioneering development and use of response analysis surveys and survey paradata, and for extensive service to the ASA.

**Wolfgang Polonik, University of California, Davis, Davis, California**

For significant contributions to statistical methodology and theory in nonparametric statistics and time series analysis, for sustained leadership, and for service to the statistics profession.

**Raquel Prado, University of California, Santa Cruz, Santa Cruz, California**

For outstanding research in time series analysis, stochastic modeling and biomedical signal processing; for pioneering the development and deployment of multivariate models in biomedical applications and for service to the profession, especially in efforts to increase the participation of females and minorities in diverse areas of statistics.

**Yili Lu Pritchett, Astellas Pharma Global Development, Inc., Northbrook, Illinois**

For leadership in exemplifying and promoting statistical influence and excellence in the pharmaceutical industry; for important contributions to clinical trial methodologies, especially on adaptive designs and benefit-risk assessment; and for being a role model for young statisticians.

**Dabeeru C. Rao, Washington University School of Medicine, Saint Louis, Missouri**

For a lifetime of distinguished contributions to advancing and promoting statistics in human genetics and for contributions to training biostatisticians and statistical geneticists.

**C. Shane Reese, Brigham Young University, Provo, Utah**

For substantial research contributions in Bayesian reliability, hierarchical modeling, and sports statistics; for key scientific contributions to national security and defense; exemplary professional service through teaching and outreach activities and exemplary service to the ASA.

**Greg Ridgeway, National Institute of Justice, U.S. Department of Justice, Washington, DC**

For outstanding contributions to statistical computing and machine learning, most prominently on the analysis of massive datasets and the development of a highly regarded software; for deployment of empirical analysis in criminal justice and policing research, and statistical methodologies for public policy analysis; for scientific leadership in government and service to the profession.

**Maria Matilde Sanchez-Kam, Arena Pharmaceuticals, Inc., Alexandria, Virginia**

For influential contributions to clinical drug development, particularly in the areas of diabetes and obesity; for excellent leadership in administration of statistical activities; and for extensive service to the profession.

**Douglas Schaubel, University of Michigan, Ann Arbor, Michigan**

For important contributions to statistical methods for survival and life history data; for work that has advanced the understanding of liver disease and transplantation and informed the allocation of livers for transplantation; and for outstanding mentorship of graduate students and medical research fellows; and for editorial and other service to the discipline.

**Ananda Sen, University of Michigan, Ann Arbor, Michigan**

For outstanding research contributions in reliability, exemplary leadership in the dissemination of statistical practice in the medical sciences, mentorship of junior clinical researchers, and service to the profession.

**Janet S. Sinsheimer, David Geffen School of Medicine UCLA, Los Angeles, California**

For pioneering statistical contributions to phylogenetics and the development of the maternal-fetal genotype incompatibility test in genetic epidemiology; for outstanding and sustained mentorship of graduate students; and for exceptional commitment to diversity in the statistical sciences.

**Dylan S. Small, University of Pennsylvania, Philadelphia, Pennsylvania**

For profound and influential research contributions to the theory and application of causal inference; for excellence in statistical education and mentoring of students; and for service to the profession.

**Yanqing Sun, University of North Carolina at Charlotte, Charlotte, North Carolina**

For outstanding contributions to statistical research on survival and event history data, competing risks data and longitudinal data; for excellence in applications of statistical methodology in biomedical research; and for outstanding service to teaching and the profession.

**Mahlet G. Tadesse, Georgetown University, Washington, DC**

For influential research on Bayesian methods, high-impact collaborative research in cancer informatics, leadership and outstanding service to the profession.

**Ingrid Van Keilegom, Université Catholique de Louvain, Louvain-la-Neuve, Belgium**

For outstanding research contributions to statistical theory and methodology, especially in the areas of survival analysis, copulas, semi-parametric, nonparametric and empirical likelihood based inference; for extensive editorial services and service to the profession.

**Ronghui (Lily) Xu, University of California, San Diego, La Jolla, California**

For significant contribution on developing mixed-effects models for correlated survival data, for innovative statistical collaboration in cancer clinical trials and medical research, and for dedicated service for professional societies and education activities in biostatistics.

**Guosheng Yin, University of Hong Kong, Hong Kong, China**

For outstanding methodological and collaborative research contributions to clinical trial design, survival analysis and Bayesian statistical methods; for exemplary service to the profession and the ASA.

**Hao Zhang, Purdue University, West Lafayette, Indiana**

For fundamentally important theoretical and methodological contributions to spatial statistics, in particular the asymptotic theory for the estimation of spatial covariance functions and for outstanding contributions to computational methods for the analysis of massive spatial data; for exemplary commitment to teaching, mentoring and outreach activities and for service to the ASA.

**Tong Zhang, Rutgers University, Piscataway, New Jersey**

For major contributions to statistical theory and methodology; especially in statistical machine learning and high dimensional statistical procedures, and for service to the profession.

**Ji Zhu, University of Michigan, Ann Arbor, Michigan**

For significant contributions to theory and algorithms in statistical learning and high dimensional data analysis; for excellent mentoring of graduate students, and dedicated service to the profession.

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