Committee of Presidents of Statistical Societies

Presidents' Award

Past Award Recipients

- **(1979) Peter J. Bickel**
- **(1980)** None
- **(1981)** None
- **(1982) Stephen Fienberg**
- **(1983) Tze Leung Lai**
- **(1984) David Hinkley**
- **(1985) James O. Berger**
- **(1986) Ross Prentice**
- **(1987) C. F. Jeff Wu**
- **(1988) Raymond J. Carroll**
- **(1989) Peter Hall**
- **(1990) Peter McCullagh**
- **(1991) Bernard Silverman**
- **(1992) Nancy Reid**
- **(1993) Wing-Hung Wong**
- **(1994) David Donoho**
- **(1995) Iain M. Johnstone**
- **(1996) Rob Tibshirani**
- **(1997) Kathryn Roeder**
- **(1998) Pascal Massart**
- **(1999) Lawrence Wasserman**
- **(2000) Jianqing Fan**
- **(2001) Xiao-Li Meng**
- **(2002) Jun Liu**
- **(2003) Andrew Gelman**

- **(2004) Michael A. Newton**, University of Wiscounsin
  For ingenious and wide-ranging contributions to statistical theory and methodology, including Bayesian inference, the bootstrap, and tree reconstruction; for applications of statistical methodology, especially in genetics and genomics; and for outstanding training of graduate students.

- **(2005) Mark J. van der Laan**, University of California, Berkeley School of Public Health
  For his deep and sweeping contributions to several areas in theoretical and applied statistics, including multivariate survival analysis, local efficient estimation in semiparametric models, causal inference, dynamic treatment regimes, multiple testing, model selection, cross-validation loss-based estimation, and computational biology. Professor van der Laan has brought powerful statistical tools to bear on a wide array of applications involving high-dimensional data structures that often occur in epidemiology, genomics, and the medical sciences. The 2005 Presidents' Award honors Professor van der Laan for his signal success in bringing statistical rigor into many fields of the biomedical sciences.

- **(2006) Xihong Lin**, Harvard School of Public Health

For fundamental contributions to statistical methodology and theory for longitudinal data and clustered survival data, including nonparametric kernel and spline methods as well as semiparametric regression methods, mixed effects models, and measurement error models. Also for statistical applications in health sciences; for outstanding editorial and professional services; for founding the highly successful ENAR mentoring workshop for junior faculty in biostatistics; and for outstanding work as a teacher and mentor.

- **(2007) Jeffrey S. Rosenthal**, University of Toronto
  For fundamental contributions to probability theory, stochastic processes, and Markov Chain Monte Carlo (MCMC) algorithms, with applications to statistics; for seminal contributions to the theoretical underpinnings of the convergence rates of MCMC algorithms; for his prolific record of collaboration, resulting in significant publications in economics, mathematical finance, artificial intelligence, and survival analysis; for outstanding mentoring; and for his extraordinary skill at the communication of some of the deeper ideas of our discipline through the media (print, radio, and television) and through the publication of a general audience book on probability in real life which, less than 2 years after publication, is in its 6th printing.

- **(2008) Tony Cai**, University of Pennsylvania
  For fundamental and wide-ranging contributions to the mathematics, theory and methods of statistics, including the theory and application of wavelets, block thresholding in wavelet regression, optimality theory, adaptation in nonparametric function estimation, confidence intervals in small samples, and methods for false discovery rate control; for applications to chemical identification, medical imaging and microarray data analysis; and for outstanding contributions to the statistical profession through extensive editorial work and mentorship of students.

- **(2009) Rafael Irizarry**, Johns Hopkins University
  For his wide-ranging and highly influential contributions to the theory and methodology of statistical science that underpins the analysis of time series and genomic data; for demonstrating the essential role of statistics to the advancement of modern genomic science and biotechnology; for advancing statistical practice through publication of open-source software and participation in the core development group of Bioconductor; for his leadership of multidisciplinary scientific teams; and for his outstanding contributions to statistics as an editorial board member and mentor of students and post-doctoral fellows.

- **(2010) David B. Dunson**, Duke University
  For his wide-ranging and fundamental contributions to the development of parametric and nonparametric modeling within complex Bayesian frameworks; for making significant concurrent scientific progress in machine learning through this development; for use of this methodology in substantive applications, notably in reproductive epidemiology; and for outstanding service to the profession as well as mentoring of students and post-doctoral researchers.

- **(2011) Nilanjan Chatterjee** Division of Cancer Epidemiology & Genetics, National Cancer Institute, USA
  For outstanding contributions to the statistical sciences by ingenious methodological research with applications in epidemiology and genetics, including studies of gene-environment interactions, disease heterogeneity and genome-wide association studies; for fundamental contributions to the theory of case-control studies and complex retrospective sampling designs; for demonstrating leadership and a vision as a statistical scientist by actively collaborating in wide-ranging studies of cancer epidemiology and genetics and concurrently maintaining a vigorous methodological research program closely tied to cutting edge scientific issues; for exceptional mentoring and service to the profession and to the National Cancer Institute.

- **(2012) Samuel S. Kou** Harvard University
  For groundbreaking contributions to stochastic modeling and statistical inference in single molecule biophysics; for pioneering the equi-energy sampler; for fundamental contributions to Bayesian, empirical Bayes and nonparametric methods; and for outstanding service to the statistical profession and contribution to statistical education

- **(2013) Marc Suchard**, UCLA
  "*For extraordinarily wide-ranging and insightful contributions to the statistical sciences in the areas of Bayesian inference, computation and stochastic processes; for innovative statistical modeling and novel computational techniques for formerly intractable problems in molecular epidemiology, evolutionary medicine, phylogenetics, phylogeography, computational biology and emerging massive public health data sets; for a panoply of flexible, well-regarded and widely used statistical software tools for the applied sciences; for extensive and creative statistical applications across an impressive range of human inquiry; and for service to the profession as a prolific and dedicated mentor of the next generation of statisticians.*"

- **(2014) Martin J. Wainwright,** UC-Berkeley
  "*For fundamental and groundbreaking contributions to high-dimensional statistics, graphical modeling, machine learning, optimization and algorithms covering deep and elegant mathematical analysis as well as new methodology with wide-ranging implications for numerous applications.*"