

~ 10 Anniversary ~

Previous Years' Lectures:

2014: "Statistics and Genetics Open a Window into Autism," by Kathryn Roeder, Ph.D., Department of Biostatistics and Lane Center for Computational Biology, Carnegie Mellon University

2013: "The Prevention and Treatment of Missing data in Clinical Trials," by Roderick Little, Ph.D., Department of Biostatistics, University of Michigan

2012: "AIDS: Statistical Science and Public Health," by Ron Brookmeyer, Ph.D., Department of Biostatistics, University of California at Los Angeles

2011: "What is Quality? Government Statistics and the Larger Social Science World," by Robert Groves, Ph.D., United States Census Bureau

2010: "Statistical Issues in Breast Cancer Screening and Treatment," by Donald A Berry, Ph.D., University of Texas M.D. Anderson Cancer Center

2009: "Statistical Issues and Challenges in Analyzing High-throughput "Omics" Data," by Xihong Lin, Ph.D., Department of Biostatistics, Harvard University

2008: "Tests of Gene-Environment Interaction: Family Based Designs and Analysis," by Nan M. Laird, Ph.D., Department of Biostatistics, Harvard University

2007: "Absolute Risk: Clinical Applications and Controversies," by Mitchell H. Gail, M.D., Ph.D., National Cancer Institute

2006: "Costs of Smoking in the United States: Disease, Death, Dollars," by Scott Zeger, Ph.D., Department of Biostatistics, Johns Hopkins University

DONNA J. BROGAN LECTURE IN BIOSTATISTICS

“Survey Methodology: Current Status and Modern Challenges”

Presented by:



Donna J. Brogan, Ph.D.
Department of Biostatistics and Bioinformatics
Emory University

Survey methodology is an interdisciplinary field that includes all aspects of conducting a sample survey to estimate parameters of a defined population of elements. Federal and state governments in the U.S. conduct probability sample surveys to monitor characteristics of society's population, institutions and environment. Organizations conduct probability surveys for research purposes and for assessing public opinion.

Today there exist several challenges to current survey methodology. Examples are: declining survey response rates, the possible demise of telephone sampling, increased costs, user demand for quicker availability of publically released survey data and for ability to estimate parameters for smaller geographic areas, and the claim by some that surveys no longer will be necessary in the new era of "big data". These challenges and others will be discussed, along with proposed solutions and likely future directions for survey methodology.

DONNA J. BROGAN LECTURE IN BIOSTATISTICS

“Survey Methodology: Current Status and Modern Challenges”

**April 13, 2015
4:00 PM**

**Lawrence P. & Ann Estes Klamon Room
Rollins School of Public Health
Claudia Nance Rollins Building, Rm. 8030
1518 Clifton Road, N.E.**

Welcome: Amita Manatunga, Ph.D.
Chair, Brogan Lecture Committee
Department of Biostatistics and Bioinformatics

Introduction: Lance A. Waller, Ph.D.
Rollins Professor and Chair
Department of Biostatistics and Bioinformatics

Donna J. Brogan Lecturer:
Donna J. Brogan, Ph.D.
Department of Biostatistics and Bioinformatics
Emory University

Reception immediately following the lecture

This lecture honors Donna J. Brogan, an outstanding former faculty member and chair in the Department of Biostatistics of the Rollins School of Public Health (RSPH), and is made possible in large part by the generous support of Donna, her colleagues and friends.

Donna J. Brogan, Ph.D.

**Emerita Professor
Department of Biostatistics and Bioinformatics
Rollins School of Public Health**

Donna J. Brogan received her Ph.D. in statistics from Iowa State University and was Assistant Professor of Biostatistics at UNC School of Public Health before joining Emory in 1971 as the first female faculty member in its Statistics/Biometry Department, later becoming only the fourth female full professor in its School of Medicine. In the Rollins School of Public Health, she was its first female full professor and its first female chair of the Department of Biostatistics. Dr. Brogan's research interests, reflected in her 150 publications, include design and analysis of complex sample surveys and collaboration with health scientists.

Dr. Brogan's honors include fellow of the American Statistical Association (ASA), Emory University's Thomas Jefferson Award, three distinguished alumni awards [Gettysburg College (BA), Purdue (MS), Iowa State (Ph.D.)], and the ASA's Elizabeth Scott Award for significant contributions to the advancement of women within the statistics discipline. Dr. Brogan's leadership talent in academic and government realms was applied to selected activism. Based on her experience in a male dominated discipline, she founded the Caucus for Women in Statistics in 1971. Dr. Brogan's experience as a breast cancer researcher and patient motivated her to help found the U.S. breast cancer advocacy movement in the 1990's.

Since her retirement in 2004, Professor Emerita Brogan continues to advise government agencies on design and analysis of complex sample surveys and teach continuing education courses on this topic. She is an avid participant in challenge level square dancing, a complicated activity that uses concepts from mathematics and geometry.

