

PERSPECTIVES on the BIOSTATISTICAL SCIENCES:
A SYMPOSIUM IN MEMORY of SAMUEL W. GREENHOUSE

Monday, June 11, 2001

Lister Hill Center Auditorium, NIH Campus Building 38A, Bethesda MD

- 7:30 – 8:30 Registration and Continental Breakfast
- 8:30 – 9:15 **Session I: Introduction**
Chair: Edmund A. Gehan, Georgetown University
Highlights of the Career of Sam Greenhouse
John M. Lachin, George Washington University
Sam's Early Career at the Census Bureau
Cynthia Clark, Census Bureau
Sam's Scholarly Contributions to Human Aging Studies
Robert Butler, International Longevity Center and Mt Sinai School of Medicine
- 9:15 – 10:15 **Session II: Contributions to Statistical Theory and Methods**
Chair: Thomas A. Louis, RAND Corporation
Some of Sam Greenhouse's Contributions to Statistical Methods
Mitchell Gail, National Cancer Institute
An Exegesis on Sampling the 2 x 2 Table
Seymour Geisser, University of Minnesota
- 10:15 – 10:45 Refreshment Break
- 10:45 – 11:45 **Session III: Design and Methods in Epidemiological Research**
Chair: Mitchell Gail, National Cancer Institute
Has Epidemiology Lost Public Confidence?
Daniel Seigel, formerly National Institutes of Health
Controversy and Insight in Perinatal and Pediatric Epidemiology
Howard Hoffman, National Institute on Deafness and Other Communication Disorders
Quantifying Epidemiological Risk Factors Using Nonparametric Regression
Phil Rosenberg, National Cancer Institute
- 11:45 – 12:45 **Session IV: Clinical Trials Methodology**
Chair: Janet Wittes, Statistics Collaborative
Developments in Sequentially Adaptive Allocation Designs
L. J. Wei, Harvard University
Is a Sequential Boundary a Stopping Rule or a Guideline?
Gordon Lan, Pfizer Company
Group Sequential K-df Chi-Square Tests for Multivariate Observations
Oliver Bautista, George Washington University
- 12:45 – 1:45 Lunch (provided with registration)
- 1:45 – 2:45 **Session V: Applications in the Behavioral Sciences**
Chair: Sarah Fowler, George Washington University Biostatistics Center
Reflections on Contributions in Clinical Research
Martin Katz, University of Texas
Estimating Duplication Rates and Total Population Size Based Only on Birth Dates:
Applications to Mental Health
Eugene Laska, Nathan Kline Institute for Psychiatric Research
Methodological Issues in the Design of Secondary Prevention Trials
Joel Greenhouse, Carnegie Mellon University
- 2:45 – 3:45 **Session VI: Clinical Trials Practical Applications**
Chair: Paul Meier, Columbia University
Contributions to Clinical Trials Coordinated by the GWU Biostatistics Center
Ray Bain, Merck Company
A Clinical Trialist's Education, or How I Came to Love Statistics
Conor Lundergan, George Washington University Medical Center

- The POSCH Study
Paul Meier, Columbia University
- 3:45 – 4:15 Refreshment Break
- 4:15 – 5:15 **Session VII: Biostatistical Education in the 21st Century**
Chair: Robert O’Neill, Food and Drug Administration
- Training Biostatistical Scientists
Marvin Zelen, Harvard University
- Challenges in Biostatistical Consulting
Scott Zeger, Johns Hopkins University
- 5:15 – 5:30 Closing Remarks
John M. Lachin, George Washington University