

San Diego Chapter American Statistical Association (sdasa.org)
Second One-day Conference
November 17, 2006



Center for Molecular Genetics Conference Room
School of Medicine
University of California San Diego
9500 Gilman Drive, La Jolla CA 92037

Program

- 9:00 Check-in and Registration
- 9:30 – 9:40 **Opening Remarks:** Sheela Talwalker, President SDASA
- 9:40 – 10:40 **Keynote Speaker: Professor Bradley Efron, Stanford University,**
Doing Thousands of Hypothesis Tests at the Same Time
- 10:45 – 11:05 *Measuring Agreement About Ranked Decision Choices for a Single Subject* Robert H. Riffenburgh and Peter A. Johnstone
- 11:05 – 11:25 *A re-sampling strategy to improve the estimation of number of null hypotheses in FDR control* Xin Lu
- 11:25 – 11:45 *Nonparametric tests for two group comparisons of dependent observations obtained at varying time points* Suzanne May
- 11:45 – 12:05 *Practical System Models of Cellular Cycles and Inherent Uncertainty in Those Cycles: Expanding Paul Silverman's Final Vision of Cell Fundamentals* Arnold Goodman
- 12:10 – 1:30 **Lunch/Poster Session (Lunch is provided for registrants)**
- Sample size calculations for clinical trials with rate of decline on a quantitative trait as the endpoint.* Ralitza Volzdolska, Karen Messer, and Steven D. Edland.
- A Brief Primer on Multilevel Modeling* Dale Glaser

Using a randomization test to evaluate intervention effect when randomization is done under mixed schemes Minya Pu, Richard Garfein, Elizabeth Golub, Farzana Kapadia, Jennifer Campbell, Holly Hagan, Mary Latka, Steffanie Strathdee

Application of Group Sequential Methods when Developmental Process is Dissociated from Product: The Case of Preschoolers with Spectacle Correction for Ametropia. Ann-Catherine Roch-Levecq

Similarities and Differences in Data Mining Courses Across Disciplines Alan Safer

1:30 – 1:50 *Survival Analysis with Instrumental Variables via an Integral Equation Approach* Christopher Ake

1:50 – 2:10 *Handling Missing Data in Long-Term Trials* Wei Deng

2:10 – 2:30 *Innovative "First-In-Man" Studies: Opportunities and Barriers to Implementation* Michael Murphy

2:30 – 2:50 *Computational advances in likelihood inference for mixed effects models with censored response* Florin Vaida

2:50 – 3:10 *A Hierarchical Nonlinear Model for Predicting Drug-Drug Interaction* Jihao Zhou

3:15 – 3:25 **Break**

3:30 – 4:10 **Invited Speaker:** Professor Nick Schork, UCSD
Similarity Analysis: Applications in Genetics and Genomics

4:10 – 4:30 *The Mid-P: Optimality Under Neyman-Pearson and Estimated Truth Testing Paradigms* Ian Fellows

4:30 – 4:50 *Density Estimation of IID, Dependent, and Censored Data via Flat-top Kernels* Arthur Berg

4:50– 5:10 *Comparing Models of Macroeconomic Fluctuations: How Big Are the Differences?* Andra Ghent

5:15– 5:20 **Closing Remarks**