
TEACHING EXPERIENCE

PRIMARY INSTRUCTOR

- Department of Statistics, Brigham Young University Provo UT
- Statistical Inference (Fall 2005)
- Department of Behavioral Sciences, St. Georges University St. Georges GD
- Biostatistics (January 2005, June 2005)
- Department of General Practice and Primary Health Care, University of Helsinki Helsinki FI
- Biostatistics II: Biostatistical Modelling (April/May 2000, April/May 2001)

CO-INSTRUCTOR

- Department of Biostatistics, Johns Hopkins School of Hygiene and Public Health Baltimore MD
- Statistical Reasoning I and II (Summer 2001, 2002, 2003, 2004)

TEACHING ASSISTANT

- Department of Biostatistics, Johns Hopkins School of Hygiene and Public Health Baltimore MD
- Introduction to Biostatistics I and II (Summer 1998)
 - Introduction to Data Management and Statistical Computing (Summer 1998)
 - Introduction to Public Health Statistics (Summer 1999)
 - Statistical Reasoning in Public Health I and II (Summer 2000, Fall 2000)
 - Statistical Methods in Public Health I, II, III, IV (1998-1999, 1999-2000)
 - Statistics for Psychosocial Research: Measurement (Fall 2001)
 - Statistics for Psychosocial Research: Structural Methods (Fall 2001)
- Department of Mathematics, Wellesley College Wellesley MA
- Calculus I and II (1995-1996, 1996-1997)
 - Linear Algebra (Fall 1996)

PUBLICATIONS

1. Brookmeyer R, **Blades NJ**, Hugh-Jones M, Henderson DA. The Statistical Analysis of Truncated Data: Application to the Sverdlovsk Anthrax Outbreak. *Biostatistics* 2(2):233-247, 2001.
2. Brookmeyer R, **Blades NJ**. Prevention of Inhalational Anthrax in the U.S. Outbreak. *Science*. 295: 1861, 2002.
3. **Blades NJ**, Broman KW. Estimating the Number of Essential Genes in a Genome by Random Transposon Mutagenesis. Technical Report MS02-20. Department of Biostatistics. Johns Hopkins University.
4. Brookmeyer R, **Blades NJ**. Statistical Models and Bioterrorism: Application to the U.S. Anthrax Outbreak. *JASA* 98(464): 781-788, 2003.
5. Ryu B, Jones J, **Blades NJ**, Parmigiani G, Hollingsworth MA, Hruban RH, Kern SE. Relationships and Differentially Expressed Genes Among Pancreatic Cancers Examined by Large-Scale Serial Analysis of Gene Expression. *Cancer Research* 63(2):819-826, 2002.
6. Lamichhane G, Zignol M, **Blades NJ**, Geiman D, Dougherty A, Grosset J, Broman K, Bishai WR. A Postgenomic Method for Predicting Essential Genes at Subsaturation Levels of Mutagenesis: Application to *Mycobacterium tuberculosis*. *PNAS* 100(12): 7213-7218, 2003.
7. Ness PM, Braine HG, King KE, Barrasso C, Kickler TS, Fuller A, **Blades NJ**. Single Donor Platelets Reduce the Risk of Septic Platelet Transfusion Reactions. *Transfusion* 41(7):857-861, 2001.

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8. Salmon D, Sepe SJ, **Blades NJ**, Geilen A, Anderson L, Breiman RF. Developing Vaccine Communication Strategies: Patterns of Use and Credibility of Sources for Vaccine Information. Submitted.
 9. Mikaelian I, **Blades NJ**, Churchill GA, Fancher K, Knowles BK, Eppig JT, Sundberg JP. Terminal Differentiation Markers for the Characterization of Spontaneous and Transgenic Mammary Neoplasms. Accepted to *Breast Cancer Research*.
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INVITED TALKS

- The Jackson Laboratory, Short Course on Gene Microarray Development and Analysis, April 2004: "Gene Expression using MPSS."
- Roswell Park Cancer Institute, Department of Cancer Genetics, February 2004: "Gene Expression with Signature Sequencing: Modelling Count Data."
- The Jackson Laboratory, Short Course on Gene Microarray Development and Analysis, November 2003: "Gene Expression using MPSS."
- The Jackson Laboratory, Short Course on Mathematical Approaches to the Analysis of Complex Phenotypes, October 2003: "Gene Expression with Signature Sequencing."
- The Jackson Laboratory, Annual Scientific Retreat, May 2003: "Analysis of MPSS Data: Application to LDLR Experiment."
- ENAR 2003, Tampa, March 2003: "Noise and Shadow: Statistical Methods for SAGE Data."
- EMBO SAGE Course, Academic Medical Center, Amsterdam, January 2003: "Preprocessing of SAGE Data."
- SAGE 2003, 4th International SAGE Meeting, Academic Medical Center, Amsterdam, January 2003: "Denoising SAGE Data: Methods for Identification and Removal of Probable Errors."
- M.D. Anderson Cancer Center, Department of Biostatistics, September 2002: "Noise and Shadow: Statistical Methods for SAGE Data."
- Institut Pasteur, April 2002: "Estimation of Epidemic Size: Statistical Issues Resulting from Swift Public Health Interventions with Application to Data from the Recent Anthrax Outbreak in the U.S."
- Texas A&M University, Department of Statistics, March 2002: "Noise and Shadow: Statistical Methods for SAGE Data."
- Duke University, Institute of Statistics and Decision Sciences, March 2002: "Noise and Shadow: Statistical Methods for SAGE Data."
- The Jackson Laboratory, March 2002: "Noise and Shadow: Statistical Methods for SAGE Data."
- Sidney Kimmel Comprehensive Cancer Center, Gene Expression Methodology Seminar Series, March 2002: "Noise and Shadow: Statistical Methods for SAGE Data."

CONTRIBUTED TALKS

- IBC 2004, Cairns, Australia, July 2004: "Use of Hidden Markov Models for the Analysis of SNP Data from Mice."