

Curriculum Vitae

Jasmin Divers, Ph. D.

CONTACT INFORMATION

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EDUCATION

- *PhD*, Biostatistics, State University of New York at Stony Brook.
- *M. S.*, Statistics, State University of New York at Stony Brook, December 2001.
- Course in Sampling Theories and Survey Methodology, INEGI, Aguascalientes, Mexico, October 1999.
- Advanced Course in Sampling Theories and their Applications to household surveys, Madrid, Spain, November 1997.
- *B. S.*, Statistics, Center for Planning Techniques and Applied Economics, Port-au-Prince, Haiti, August 1996.

DOCTORAL RESEARCH

Application of a multi-stage search strategy developed in varietal selection results to genomic scan using non-parametric linkage.

*Dissertation Title: Power to Find Linkage in Epistatic Models:
Comparison between the Symmetric two and three stage and the Guo-Elston
Procedures.*

EMPLOYMENT HISTORY

- 1) August 2004-present: Post-Doctoral Fellow, Department of Biostatistics, University of Alabama, Birmingham.
- 2) August 2003-August 2004: Statistician on the Survey of Family Care Giving to Elder in Suffolk County, NY: Findings and Implications, 2003.
- 3) January 2002-December 2003: Lecturer in Biostatistics, Department of Applied Mathematics and Statistics, SUNY Stony Brook.
- 4) Fall 2002, Adjunct Professor, Suffolk County Community College, Suffolk County New York.
- 5) January 2001-December 2002: Teacher Assistant, Department of Applied Mathematics and Statistics, SUNY Stony Brook.
- 6) August 1996 – December 1999: Survey Statistician, Haitian Institute of Statistics.

RESEARCH INTERESTS

My research interests include but are not limited to: Genetic association analysis (Structured Association Tests in particular), measurement error correction methods, measure of individual ancestry in study involving admixed individuals, application of measurement error correction in structured association tests, simulation, statistical computing, linkage analysis, etc.

PROFESSIONAL ORGANIZATION

Member of the International Association of Survey Statistician (IASS).

Member of the American Statistical Association (ASA).

Member of the American Society of Human Genetics.

Member of the International Genetic Epidemiology Society (IGES).

AWARDS

- 1) GAAN Fellowship for the 2002 Academic Year.
- 2) GAAN Fellowship for the 2003 Academic Year.
- 3) GAAN Fellowship for the 2004 Academic Year.
- 4) University of Alabama Birmingham, Office of Postdoctoral Education, Career Enhancement Award (CEA), Spring 2005.

- 5) Alliance for Graduate Education and the Professoriate (AGEP) postdoctoral travel award (Fall 2004)
- 6) Travel award to the 18th annual International Workshop on the Methodology of Twin and Family Studies. (March 2005).

PUBLICATIONS

- 1) **Jasmin Divers**, Stephen J. Finch, Richard H. Morgan, Michael A. Lewis, Harvey A. Farberman. Predictors of service use among informal unpaid caregivers to elders: New York State (2001) and Suffolk County, NY (2003). (Submitted, *The Gerontologist*).
- 2) **Jasmin Divers**, Stephen J. Finch, Derek Gordon. A comparison of selection methodologies for localization of complex trait genes. (Submitted, *Human Heredity*).
- 3) David T. Redden, **Jasmin Divers**, Laura K. Vaughan, Hemant K. Tiwari, T. Mark Beasley, Jose R. Fernandez Robert P. Kimberly, Rui Feng, Miguel Padilla, Nianjun Liu, Michael B. Miller, & David B. Allison. Regional Admixture Mapping and Structured Association Testing: Conceptual Unification and an Extensible General Linear Model. (Submitted, *PLOS Genetics*).

PAPERS IN PREPARATION

- 1) **Jasmin Divers**, Laura K. Vaughan, David T. Redden, José R. Fernandez, David B. Allison. Correcting for measurement in structured association testing controlling for individual ancestry proportion. (In internal review).
- 2) **Jasmin Divers**, Laura K. Vaughan, Miguel Padilla, David T. Redden, José R. Fernandez, David A. Allison. Using RSM to provide optimal parameter setting to obtain individual ancestry to control for spurious association. (In preparation).

PRESENTATIONS

- 1) Power to find linkage in epistatic models: Comparison between the Symmetric Two and Three stage and the Guo-Elston procedures. Poster presentation, at the Laurence Baxter Memorial Lecture, Stony Brook University, April 30, 2004.
- 2) A comparison of selection methodologies for localization of complex trait genes. Bristol-Myers and Squibb, New Jersey, USA, June 1, 2004.
- 3) Research Supplements to Promote Diversity in Health-Related Research, University of Alabama Birmingham, December 8, 2004.

- 4) Prospects for admixture mapping by Mckeigue P. M. Journal Club, Genetics Department, University of Alabama Birmingham, March 23, 2005.
- 5) On a semi-parametric test to detect association between quantitative traits and candidate genes using unrelated individuals by Zhao H. et al. Department of Biostatistics, University of Alabama Birmingham, April 7, 2005.
- 6) Correcting for measurement errors in admixture estimates, University of Alabama Birmingham, April 20, 2005.
- 7) Association between African admixture and high cholesterol levels. 45th Annual conference on cardiovascular disease epidemiology. Washington, DC. May 4, 2005.
- 8) Running Structure, Admixture Seminar. University of Alabama Birmingham. May 13, 2005.
- 9) Allele sharing methods in genetics. Genetics Department, University of Alabama Birmingham, May 19, 2005.
- 10) Comparison of measurement error correction methods in Structured Association Studies (SAT). University of Alabama Birmingham, June 23, 2005.
- 11) Joint Tests for Quantitative Trait Loci in Transmission Disequilibrium Testing. Joint Statistical Meetings (JSM 2005). Minneapolis, MN. August 8, 2005.
- 12) A few results from the RAM and SAT paper, LDDAC club meeting University of Alabama Birmingham, September 02, 2005.