

Thomas Birkner

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2400 Hawksbury Lane
Hoover, AL 35226

EDUCATION

Ph.D. Biostatistics, August 2011

University of Alabama at Birmingham, Birmingham, Alabama

Dissertation: Hierarchical and Bayesian Approaches for Estimating Prevalence Based on Pool Screening (mentors: Inmaculada Aban and Charles Katholi)

Diploma in Social Sciences, December 2003

University of Goettingen, Goettingen, Germany

Interdisciplinary four year program with specialization in Social Law, Social Policy, Economics and Sociology (equivalent to Bachelor of Arts)

HONORS & AWARDS

American Statistical Association **Statistics In Epidemiology Young Investigator Award**, July 2011.

University of Alabama **Ireland Research Travel Scholarship**, April 2008.

NIH T32 Predoctoral Biostatistics Traineeship sponsored by NHLBI, August 2007 – July 2011

Graduate Assistantship, January 2007 - May 2007

Department of Mathematics and Statistics, University of South Alabama, Mobile, Alabama.

COMPUTER SKILLS

SAS	R	OpenOffice
SPSS	Microsoft Office	

LANGUAGE SKILLS

Native German

Excellent English: fluent in reading, writing and speaking

PUBLICATIONS

Aronow, W. S., Rich, M.W., Goodlin, S. J., **Birkner, T.**, Zhang, Y., Feller, M. A., Aban, I. B., Jones, L. G., Bearden, D. M., Allman, R. M., and Ahmed, A.: In-Hospital Cardiology Consultation and Evidence-Based Care for Nursing Home Residents with Heart Failure [submitted to JAMDA June 2011, in revision].

Tiwari, H. K., **Birkner, T.**, Moondan, A., Zhang, S., Page, G.P., Patki, A., and Allison, D.B.: Accurate and Flexible Power Calculations on the Spot: Applications to Genomic Research. Statistics and Its Interface. NIHMS ID 297844

ABSTRACTS

Thomas Birkner, Inmaculada B. Aban, Charles R. Katholi: “Bayesian approaches for estimating prevalence based on pool screening when observing zero positive pools”. Joint Statistical Meetings, Miami Beach, Florida, July 30 - August 4, 2011.

Thomas Birkner, Omar B. Mbowe, Christopher S. Coffey: "Survey on the Use of Adaptive Designs in the Journal of the American Medical Association (2007-08)", Society for Clinical Trials annual meeting, Baltimore, Maryland, May 16-19, 2010.

PRESENTATIONS, CONFERENCES AND MEETINGS

Joint Statistical Meetings, Miami Beach, Florida. Oral presentation “Bayesian approaches for estimating prevalence based on pool screening when observing zero positive pools”. August 3, 2011.

Third Annual Public Health Research Day. Poster presentation “Bayesian approaches to estimating prevalence based on pool screening when observing zero positive pools”. April 5, 2011.

Biostatistics Journal Club. Oral presentation of paper titled “Thomas Bayes’s Bayesian Inference”. March 9, 2011.

UAB Graduate Student Research Days 2011. Oral presentation “Bayesian approaches to estimating prevalence based on pool screening when observing zero positive pools”. February 24, 2011.

Dissertation Proposal. “Hierarchical and Bayesian Approaches to Estimating Prevalence Based on Pool Screening” [Mentors for dissertation: Dr. Chichi Aban and Dr. Charles Katholi]. October 28, 2010.

Section on Statistical Genetics Retreat. Oral Presentation “Estimating a prevalence distribution by Pool Screening/Group Testing”. August 10, 2010.

Second Annual Public Health Research Day. Poster presentation “Survey of Adaptive Design Methods in JAMA: 2007-2008”. April 5, 2010.

Biostatistics Journal Club. Oral presentation of paper titled “Puzzlingly High Correlations in fMRI Studies of Emotion, Personality, and Social Cognition”. February 15, 2010.

First Annual Public Health Research Day. Poster presentation “Power loss by breaking pedigrees into nuclear families”. April 9, 2009.

UAB Graduate Student Research Days 2009. Oral presentation “Power loss by breaking pedigrees into nuclear families in the context of linkage analysis”. February 2009.

1st Annual NSF-funded Short Course on Statistical Genetics & Statistical Genomics in Birmingham, AL. July 21 - 25, 2008.

Basic Gene Mapping\Linkage Analysis Course in Berlin, Germany. July 7 - 11, 2008.

1st NHGRI-funded Conference: Haplotype Analysis of Population & Pedigree Data in Association Studies in Birmingham, AL. May 7 - 8, 2008.

21st International Workshop on Methodology of Twin and Family Studies. Boulder, CO. March 3 - 7, 2008.

Meeting with Dr. Amos and colleagues from the M.D. Anderson Cancer Center in Houston, TX. Oral presentation on “Elston’s Excellent Estimator”. February 5 - 6, 2008.

Body Weight, Adiposity, Energetics, and Longevity Conference. St. Simons Island, GA. November 29 - 30, 2007.

EMPLOYMENT EXPERIENCE

Postdoctoral Fellow, Biostatistics, August 2011 – Present
University of Alabama at Birmingham

- Design and conduct of clinical trials, Meta Analysis of Alzheimer’s disease clinical trials data

Lecturer, Data Management with SAS, Fall 2011
University of Alabama at Birmingham

Teaching Assistant and Tutor, August 2006 – May 2007
Department of Mathematics and Statistics, University of South Alabama,
Mobile, Alabama