

Gary L. Gadbury

Department of Statistics
Dickens Hall
Kansas State University
Manhattan, KS 66506
(785)532-0526
gadbury@ksu.edu

EDUCATION

- 1998 Ph.D. in Statistics: Colorado State University, Fort Collins, CO
Dissertation: "Causal Inference in Randomized Experiments and Observational Studies"
Advisers: Dr. Hari K. Iyer and Dr. Richard L. Tweedie
- 1994 Master of Science in Applied Mathematics: University of Colorado - Denver.
Specialization in Operations Research.
- 1983 Bachelor of Science in Electrical Engineering: Southern Illinois University, Carbondale, IL.

EMPLOYMENT

- July 2013 – present: KANSAS STATE UNIVERSITY
Professor and Head, Department of Statistics
- 2012 – July 2013: KANSAS STATE UNIVERSITY
Professor in the Department of Statistics
- 2007 – 2012: KANSAS STATE UNIVERSITY
Associate Professor in the Department of Statistics
- 2006 – 2008: UNIVERSITY OF MISSOURI – ROLLA (on leave 2007-2008)
Associate Professor in the Department of Mathematics and Statistics
- 2003 – Present: UNIVERSITY OF ALABAMA AT BIRMINGHAM
Adjunct Faculty appointment, Department of Biostatistics, School of Public Health
- 2000 – 2006: UNIVERSITY OF MISSOURI – ROLLA
Assistant Professor in the Department of Mathematics and Statistics.
- 2000 Summer: St. LUKE'S – ROOSEVELT HOSPITAL CENTER, OBESITY RESEARCH CENTER
AND COLUMBIA UNIVERSITY, NEW YORK
Statistician and Visiting Scientist. Research into statistical methods for genetics and obesity.
- 1999 and 2000 Summers: USDA FOREST SERVICE – ROCKY MOUNTAIN RESEARCH STATION.
Mathematical Statistician. Research into modeling forest growth. Small area estimation.
- 1998-2000 UNIVERSITY OF NORTH CAROLINA - GREENSBORO
Assistant Professor in the Department of Mathematical Sciences.
- 1994-1998 COLORADO STATE UNIVERSITY

Research Assistant: (1995-1997) Dissertation research funding provided by the USDA Forest Service.

Research Assistant: (1995) Research into Bayesian techniques for variable selection, outlier identification, transformation selection, and model averaging.

Teaching Assistant: (5 courses taught during 1994-1998)

1994 UNIVERSITY OF COLORADO - DENVER

Teaching Assistant: (Spring 1994) Instructor for College Algebra

1984-1992 IBM CORPORATION, Engineering and Marketing positions.

1983-1984 SPARTON MANUFACTURING COMPANY, Flora, IL. Product Engineer.

HONORS/AWARDS

- University of Missouri – Rolla 2006 – 2007 Outstanding Teaching Award
- University of Missouri – Rolla 2006 Faculty Excellence Award (\$2500)
- University of Missouri – Rolla 2004 Faculty Excellence Award (\$2500)
- Invited Book Chapter: *Encyclopedia of Biopharmaceutical Statistics*, 2004,2010
DNA Microarrays and Related Genomics Techniques, 2006
Plant Systems Biology, 2009
- Invited paper: *Obesity Reviews*, 2003
Human Heredity, 2013
- Invited talks – Conferences, Meetings, and Workshops: 9
– Colloquia: 6

PROFESSIONAL ACTIVITIES

Appointments

- **Council of Chapters Program Chair.** 2009 Joint Statistical Meetings, Washington DC.
- **Chapter Representative**, Mid-Missouri Chapter of the ASA. January 2004 to 2006.

Editor Activities

- **Associate Editor** for the *Annals of Applied Statistics*, 2009 – present.
- **Associate Editor** for a special issue on statistical genetics for *Statistics and its Interface*, 2010.
- **Proceedings Editor** for the 2008 and 2009 Kansas State University Conference on Applied Statistics in Agriculture.
- **Editorial Board, Statistics Panel:** *Journal of the National Medical Association*, Nov. 2006 – 2007.

Grant reviewing

- NSF Review Panel for Postdoctoral Fellowships at the interface of Biology and Math (2011)
- Natural Sciences and Engineering Research Council of Canada (2009)
- National Institutes of Health Site Review Team (2009, participated in remote review, was unable to attend site visit due to personal conflict)
- The Israel Science Foundation. (2004 – 2005)
- The Missouri Research Board (2001 – 2006)

Manuscript reviewer

- *Statistics for Engineers and Scientists*, by William Navidi, for McGraw-Hill. (2003).

Journal Referee for:

- *The American Journal of Clinical Nutrition* (2013)
- *Psychological Methods* (2011)
- *Statistics and Its Interface* (2010)
- *Behavior Research Methods* (2010)
- *Annals of Applied Statistics* (2009-2014)
- *International Journal of Obesity* (2009,2013)
- *BMC Bioinformatics* (2009)
- *Human Heredity* (2008)
- *Journal of Natural Resources and Life Sciences Education* (2008)
- *International Journal of Plant Genomics* (2007)
- *Journal of the American Statistical Association* (2007, 2008,2009,2010)
- *The American Statistician* (2007,2008)
- *Journal of the National Medical Association* (2006,2007,2008)
- *JRSS-C, Applied Statistics* (2005, 2012)
- *Bioinformatics* (2005,2006,2007)
- *Statistics in Medicine* (2004, 2005,2008,2013)
- *BioTechniques* (2004)
- *Missouri Journal of Mathematical Sciences* (2004)
- *Nucleic Acids Research* (2004)
- *Mechanism of Ageing and Development* (2004)
- *Am. J of Human Genetics* (2004)
- *Trends in Genetics* (2003)
- *Computational Statistics and Data Analysis* (2003, 2005, 2007, 2011)
- *Proceedings of the 2010 Kansas State Conference on Applied Statistics in Agriculture* (2011)

Book Reviews

- Analysis of Incomplete Multivariate Data, by Joe Schafer for the *Journal of the American Statistical Association*. 95: p. 1013. 2001.

Conference Session Chair

- Multivariable process monitoring. Section on Physical & Engineering Sciences. *The Joint Statistical Meetings*. Anaheim, CA August 1997.
- Bioinformatics. *International Conference on Statistics, Combinatorics, and Related Areas*. University of Southern Maine, Portland, ME. October 3 – 5, 2003
- Statistical Methods for Genome-Wide Association Studies, *Biometrics Section of the Joint Statistical Association*, Denver, Colorado August 2008.
- Emerging trends and evidence in high-dimensional “omics” investigations. Council of Chapters Invited Session, Joint Statistical Meetings, Washington DC. August 4, 2009. (also session organizer).

Other

Judge for paper competition, Science Unbound Foundation, University of Alabama at Birmingham. Category: UAB General Statistics. 2011, 2013.

Membership

- The American Statistical Association
- Institute of Mathematical Statistics

- The International Biometric Society (ENAR)

STUDENT RESEARCH (and initial post graduation employment)

Doctoral students

Yi (Derek) Ye (co-adviser with V.A. Samaranyake)

Dissertation title: Statistical methods for the analysis of aerosol particulate data.
Summer 2005. Assistant Professor at University of North Florida.

Xiaojun Hu

Dissertation title: Distributional properties of p-values in multiple testing applications
Thesis defense: Dec. 2006. Endo Pharmaceuticals, Chadds Ford, PA.

Qinfang Xiang

Dissertation title: Parameter estimation in a finite mixture model in high dimensional applications. Fall, 2006. Endo Pharmaceuticals, Chadds Ford, PA.

Thidaporn Supapakorn

Dissertation title: Use of potential outcomes for bounding the effect of a latent variable.
Summer, 2008. Department of Mathematics, Faculty of Science Kasetsart University
Lad Yao, JaTuJak Bangkok

Edwin Ndum

Dissertation topic: Individual treatment variability in multiple time point trials.
Summer 2009. ACT Corporation, Iowa City, Iowa.

Robert Poulson

Dissertation topic: Subject-treatment interaction and the proportion of similar response.
Spring, 2011, Edwards Air Force Base

Dilan Paranagama

Dissertation title: Correlation and variance stabilization in the two group comparison case in high dimensional data under dependencies.
Fall, 2011. BioStat Solutions, Mt. Airy, PA.

Lianqing Zheng

Dissertation topic: Product-reactant pathways in lipidomics experiments.
Spring 2013. Biostatistician, Gilead Science, Foster City, CA.

Roshan Serasinghe

Dissertation topic: Individual effects in mediation analyses
Summer: 2013. Quintiles, Overland Park, KS

Karen Keating

Dissertation topic: Analysis of pyrosequencing data
Summer 2012, Research Associate, University of Alabama at Birmingham

Troy Richardson

Dissertation topic: Individual effects in observational data
Summer 2013. Childrens Hospital Association, Overland Park, KS

Masters students

Wanrong Yin

Thesis title: Tests for gene-treatment interaction in microarray data analysis
Summer 2005. Clinical Trials & Surveys Corp., Baltimore.

Lin Yang

Research paper: Assessing the properties of a ranking technique for detecting differentially expressed genes from a microarray experiment.
Summer 2007. University of Pennsylvania Medical School.

Lu Gan

Thesis title: Modeling emissions indices from an airport study of particulate emissions.
Summer 2008. To pursue PhD at University of Illinois.

Lixia Fan

Research paper: Discovering Product-Reactant pairs in Lipidomics Research.
Spring: 2010.

Roby Joehanes

Research paper: Multiple trait multiple interval mapping.
Fall: 2009. National Institutes of Health.

Tingting Song

Research paper: Analysis of lipid profiles from an ecological experiment.
Fall 2010. Continuing for PhD degree.

Xiaofei Wang

Research paper: Correlation and permutation tests for high-dimensional data
Summer 2012. Internship in a bioinformatics lab at Cold Spring Harbor, NY.

Xin Sun

Research paper: Statistical methods for diagnostic testing: An illustration using a new method for cancer detection.
Fall 2013. Celerion, Lincoln, NE.

Undergraduate students

Sarah Klein

Topic: Counter-intuitive probability in risk assessment (2003 JSM presentation and proceedings paper). Mercer Consulting, Kansas City.

GRANTS or CONTRACTS ACTIVITY

Active Grants

Co-I. Ade, PI. Determining the Effect of Space Flight on the Incidence of Cardiovascular Risk Factors and Disease. NASA. 9/4/13 – 12/31/14. \$100,000 total. Internal budget for Gadbury allocated at 40% of expenses.

Gary Gadbury, Co-I. Welti PI. Collaborative Research: Lipidomic profiling, dynamics, and functions of head-group acylation of membrane lipids in plant stress response. NSF. 8/1/14 – 7/31/15. \$145,466.

Grants in Review

Past Grant Awards

Collaborator. Barstow, PI. Standardized "Pre-flight" Exercise Tests to Predict Performance during Extravehicular Activities in a Lunar Environment. NASA, 7/1/10 – 9/2/14. \$1.19M total.

Co-I. R. Welti, PI. Collaborative Research: Metabolomic profiling and functions of oxidized membrane lipids in plant stress responses. National Science Foundation. 9/1/09 – 8/31/13. \$748,286 total.

Consultant. Koper, PI (Nanoscale Corp). Detection of Cancer-Specific Active Proteases in Urine and Blood via Fluorescence. National Institutes of Health. Sept. 2011 – 2012.

Subcontract Co-I. S. Bossmann, Subcontract PI. Functionalized Bimagnetic Core/Shell Fe/Fe₃O₄ Stealth Nanoparticles for Diag & Treatment Cancer. Subcontract with NanoScale Corporation (NIH #HHSN 261201000111C), Oct 15, 2010 – Aug 31, 2012. \$218,000 total.

Consultant. Koper, PI (Nanoscale Corp). Protease-based Cancer Diagnostics. Kansas Bioauthority, Proof of Concept Investment Program. 12/01/10 - 11/30/11.

Collaborator. T. Schermerhorn, PI. Identification of a biomarker for masked renal failure in hyperthyroid cats. Winn Feline Foundation, May 2009 – April 2010. \$15000 total.

Consultant. D.B. Allison, PI. University of Alabama at Birmingham. Effects of Intentional Weight Loss on Mortality Rate, National Institutes of Health R01DK067047. 1/1/05 – 12/31/08.

Subcontract PI. D.B. Allison, Project 3 PI. University of Alabama at Birmingham. S. Barnes, Director of The Center for Nutrient Gene Interaction in Cancer Research, Univ. Alabama at Birmingham. National Institutes of Health U54CA100949. Subcontract total: \$151,049, 09/09/03 – 08/31/08. Final year (\$31,438) moved to K-State.

Co-I (\$20000 direct costs). P.D. Whitefield, PI. Center of Excellence for Aerospace Particulate Emissions Reduction Research (2005 earmark). NASA NCC3-1084. 7/01/05 – 5/31/07. Renewal of funding from past grant.

Subcontract PI. D.B. Allison, PI. University of Alabama at Birmingham. National Science Foundation 0217651. Design and Analysis of Microarray Gene Expression Studies in Plants, Toward Sound Statistical Procedures. Subcontract amount: \$192,306, 10/01/02-09/30/06.

Member of Research Coordination Network. D.B. Allison, PI. University of Alabama at Birmingham. National Science Foundation 0090286. Development, Evaluation, and Dissemination of Methods for the Analysis of Gene Expression by Microarrays. \$1500.00 annually is available to members for travel to a research retreat, 4/01/01 – 3/31/06.

Co-I (2%). P.D. Whitefield, PI. NASA NCC3-1084. Center of Excellence for Aerospace Particulates Research. \$2.7M, 7/1/03 – 12/30/04.

Co-I (10%). V.A. Samaranyake and E. Lasater, PI. Department of Higher Education Improving Teacher Quality Grant. Making sense of data: data-driven, quantitative literacy workshops for active learning. Total award from DHE: \$133,666, 2003.

PI. USDA 00-JV-11221618-213: Small Area Estimates for National Forests Using Forest Inventory and Analysis (FIA) Survey Data. USDA Forest Service. \$15,000.00 (2000-2001)

Subcontract PI. University North Carolina at Greensboro on behalf of the Southeastern Regional Vision for Education (SERVE) SRV00FXN-898. ESR Student Achievement Data Set Analysis. \$11,925 (2001)

University of North Carolina – Greensboro New Faculty Grant (1999). Awarded \$1750.00

Other Consulting/Honoraria

2012: Northern Illinois University, Consulting project.

2011: University of Alabama at Birmingham, research project.

2007: DASH sodium analysis and blood pressure

2006: NSF funded workshop, honorarium

2004: Summer research support (\$1000) from US Dept. of Energy Grant DE-FC26-03NT41785 “TOTAL ORE PROCESS INTEGRATION AND MANAGEMENT (TOPIM) Aug. 2003 – Nov. 2006. Leslie Gertsch, PI. University of Missouri – Rolla.

2003: McGraw – Hill, honorarium

2002 – 2003: Yale University. Consulting to Yale Microarray Resource. NIH grant U24DK058776-03. Ken William, PI.

2002: Summer research support (\$7000). Cloud and Aerosol Sciences Laboratory, University of Missouri – Rolla.

PUBLICATIONS

Peer reviewed and book chapters, in print or in press

1. Hieu Sy Vu, Sunitha Shiva, Mary R. Roth, Pamela Tamura, Lianqing Zheng, Maoyin Li, Sujon Sarowar, Samuel Honey, Dedan McElhiney, Paul Hinkes, Lawrence Seib, Todd D. Williams, Gary Gadbury, Xuemin Wang, Jyoti Shah and Ruth Welti (2014). Lipid changes after leaf wounding in *Arabidopsis thaliana*: expanded lipidomic data form the basis for lipid co-occurrence analysis, *The Plant Journal*, DOI: 10.1111/tpj.12659, [Epub ahead of print].
2. Kaiser, K.A., **Gadbury G.L.** (2013). Estimating the Range of Obesity Treatment Response Variability in Humans: Methods and Illustrations. *Human Heredity*. 75, 127 – 135. (invited paper)
3. Lianqing Zheng, **Gary L. Gadbury**, Jyoti Shah, and Ruth Welti (2013). Exploration of reactant-product lipid pairs in mutant-wild type lipidomics experiments. *Proceedings of the 2012 Conference on Applied Statistics in Agriculture*, Kansas State University, Manhattan, KS.
4. Troy E. Richardson, **Gary L. Gadbury** (2013). Treatment heterogeneity and potential outcomes in linear mixed effects models. *Proceedings of the 2012 Conference on Applied Statistics in Agriculture*, Kansas State University, Manhattan, KS.
5. Edwin A. Ndum, Jeffrey M. Albert, **Gary L. Gadbury** (2012). Individual treatment heterogeneity in a three period two treatment cross-over design. *JP Journal of Biostatistics*, 8, 1 – 35.
6. **Gary L. Gadbury** and David B. Allison (2012). Inappropriate fiddling with statistical analyses to obtain a desirable p-value: Tests to detect its presence in published literature. *PLoS ONE*, 7(10): e46363.

7. Loop, M.S., Wood, A.C., Thomas, A.S., Dhurandhar, E.J., Shikany, J.M., **Gadbury, G.L.**, and Allison, D.B (2012). Submitted for Your Consideration: Potential Advantages of a Novel Clinical Trial Design and Initial Patient Reaction. *Frontiers in Genetics: Pharmacogenetics and Pharmacogenomics*, 3:145. doi:10.3389/fgene.2012.00145.
8. Robert S. Poulson, **Gary L. Gadbury**, David B. Allison (2012). Treatment heterogeneity and individual qualitative interaction. *American Statistician*, 66, 16 – 24.
9. Robert Makowsky, T. Mark Beasley, **Gary L. Gadbury**, Jeffrey M. Albert, Richard Kennedy, David B. Allison (2011). The validity and power of extreme sampling schemes for mediation analysis. *Frontiers in Genetics: Behavioral and Psychiatric Genetics*, 2:75.
10. Xuxia Wu, Amit Patki, Cristina Lara-Castro, Xiangqin Cui, Kui Zhang, R. Grace Walton, Michael V Osier, **Gary L. Gadbury**, David B. Allison, Mitchell Martin, and W. Timothy Garvey (2011). Genes and Biochemical Pathways in Human Skeletal Muscle Affecting Resting Energy Expenditure and Fuel Partitioning. *Journal of Applied Physiology*. 110: 746 – 755.
11. Jumpponen A., Keating K., **Gadbury G.**, Jones KL., Mattox JD (2010). Multi-element fingerprinting in high throughput sequencing identify multiple elements that affect fungal communities in *Quercus macrocarpa* foliage. *Plant Signaling & Behavior*. 5, 1157 - 1161.
12. **Gadbury G. L.** (2010). Subject – Treatment Interaction. In *Encyclopedia of Biopharmaceutical Statistics*, Third Edition, Revised and Expanded. Edited by Shein-Chung Chow. Informa Healthcare, London. p. 1316 – 1321. (updated print entry from 2004 online entry to 2nd ed.)
13. Xiaojun Hu, **Gary L. Gadbury**, Qinfang Xiang, David B. Allison (2010). Illustrations on using the distribution of a p-value in high dimensional data analysis. *Advances and Applications in Statistical Science*. 1, 191 – 213.
14. **Gadbury GL**, Garrett KG, Allison DB (2009). Challenges and Approaches to Statistical Design and Inference in High Dimensional Investigations. *Plant Systems Biology*, Series in Methods in Molecular Biology, Belostotsky D (ed). Totowa, NJ: Humana Press Inc. 181 – 206.
15. **Gary L. Gadbury**, Qinfang Xiang, Lin Yang, Stephen Barnes, Grier P. Page, David B. Allison (2008). Evaluating statistical methods using plasmodium data sets in the age of massive public databases: An illustration using false discovery rates. *Plos Genetics*. 4(6): e1000098.
16. **Gary L. Gadbury**, Thidaporn Supapakorn, Christopher S. Coffey, Scott W. Keith, David B. Allison (2008). Application of potential outcomes to an intentional weight loss latent variable problem. *Statistics and Its Interface*, 1, 87 – 98.
17. Loretta D. Hunter, **Gary L. Gadbury**, Yue-wern Huang (2008). Atrazine exposure and breast cancer incidence: An ecological study of Missouri counties. *Toxicological & Environmental Chemistry*. 90, 367 – 376.
18. Qinfang Xiang, Jode Edwards, and **Gary L. Gadbury** (2006). Interval estimation in a finite mixture model: Modeling P-values in multiple testing applications. *Computational Statistics and Data Analysis*. 51, 570 – 586.
19. Mehta T.S., Zakharkin, S.O., **Gadbury, G.L.**, and Allison, D.B. (2006), “Epistemological Issues in Omics and High-Dimensional Biology: Give the People What They Want,” *Physiological Genomics*. 28, 24 – 32.

20. Stephen Barnes, David B. Allison, Grier P. Page, Mark Carpenter, **Gary L. Gadbury**, Sreelatha Meleth, Pamela Horn-Ross, Helen Kim, Coral A. Lamartinere (2006). Genistein and polyphenols in the study of cancer prevention: Chemistry, biology, statistics, and experimental design. In *Nutritional Genomics, Discovering the Path to Personalized Nutrition*. Edited by J. Kaput and R.L. Rodriguez. John Wiley & Sons, Inc., Hoboken, New Jersey.
21. Grier P Page, Jode W Edwards, **Gary L Gadbury**, Prashanth Yelisetti, Jelai Wang, Prinal Trivedi, David B Allison (2006). The PowerAtlas: a power and sample size atlas for microarray experimental design and research. *BMC Bioinformatics*, 7:84.
22. Jeffrey M. Albert, **Gary L. Gadbury**, and Edward J. Mascha (2005). Assessing Treatment Effect Heterogeneity in Clinical Trials with Blocked Binary Outcomes. *Biometrical Journal*, 47, 662 – 673.
23. **Gary L. Gadbury**, Qinfang Xiang, Jode Edwards, Grier P. Page, and David B. Allison (2005). The role of sample size on measures of uncertainty and power. In *DNA Microarrays and Related Genomics Techniques*. Edited by Allison, Page, Beasley, Edwards. Taylor & Francis Group, Boca Raton.
24. Prinal Trivedi, Jode W. Edwards, Jelai Wang, **Gary L. Gadbury**, Vinodh Srinivasasainendra, Stanislav O. Zakharkin, Kyoungmi Kim, Tapan Mehta, Jacob P. L. Brand, Amit Patki, Grier P. Page and David B. Allison (2005). HDBStat!: A platform-independent software suite for statistical analysis of high dimensional biology data. *BMC Bioinformatics*, 6:86.
25. Jode W. Edwards, Grier P. Page, **Gary Gadbury**, Moonseong Heo, Tsuyoshi Kayo, Richard Weindruch, David B. Allison (2005). Empirical Bayes Estimation of Gene-Specific Effects In Microarray Research. *Functional & Integrative Genomics*, 5, 32 – 39.
26. Christopher S. Coffey, **Gary L. Gadbury**, Kevin R. Fontaine, Chenxi Wang, Richard Weindruch, David B. Allison (2005). The effects of weight loss as a latent variable problem. *Statistics in Medicine*, 24, 941 – 954.
27. **Gadbury, G. L.**, Iyer, H. K., and J.M. Albert (2004). Individual treatment effects in randomized trials with binary outcomes. *Journal of Statistical Planning and Inference*. 121, 163 – 174.
28. Beasley TM, Page GP, Brand JPL, **Gadbury GL**, Mountz JD, Allison DB (2004). Chebyshev's inequality for non-parametric testing with small N and α in microarray research. *Journal of the Royal Statistical Society, Series C (Applied Statistics)*. 53, 95 – 108.
29. **Gadbury G. L.** (2004). Subject – Treatment Interaction. In *Encyclopedia of Biopharmaceutical Statistics*, Second Edition, Revised and Expanded. Edited by Shein-Chung Chow. Marcel Dekker, Inc., New York. on-line published 03/09/2004. 1 – 7. [invited paper](#)
30. **Gary L. Gadbury**, Grier P. Page, Jode Edwards, Tsuyoshi Kayo, Tomas A. Prolla, Richard Weindruch, Paska A. Permana, John Mountz, David B. Allison (2004). Power and Sample Size Estimation in High Dimensional Biology. *Statistical Methods in Medical Research*. 13, 325 – 338.
31. Fontaine K.R., Yang D, **Gadbury G.L.**, Heshka S., Schwartz L.G., Murugesan R., Kraker J.L., Heo M., Heymsfield S.B., Allison D.B. (2003) Results of soy-based meal replacement formula on weight, anthropometry, serum lipids & blood pressure during a 40-week clinical weight loss trial. *Nutrition Journal*. 2:14.
32. **Gadbury G. L.**, Coffey, C. S., Allison, D. B. (2003) Modern statistical methods for handling missing repeated measurements in obesity trial data: beyond LOCF. *Obesity Reviews*. 4, 175 – 184. (invited paper).

33. **Gadbury, G.L.**, Page, G.P., Heo, M., Mountz, J.D., Allison, D.B. (2003) Randomization tests for small samples: an application for genetic expression data. *Journal of the Royal Statistical Society, Series C (Applied Statistics)*. 52, 365 – 376.
34. **Gadbury, G. L.**, and H. T. Schreuder (2003). Cause-effect relationships in analytical surveys: An illustration of statistical issues. *Environmental Monitoring and Assessment*, 83, 205 – 227.
35. Allison, D.B., **Gadbury, G.L.**, Schwartz, L.G., Murugesan, R., Kraker, J., Heshka, S., Fontaine, K.R., and Heymsfield, S.B. (2003) A novel soy-based meal replacement formula for weight loss among obese individuals: a randomized controlled clinical trial. *European Journal of Clinical Nutrition*. 57, 514 – 522.
36. **Gadbury, G. L.** and H. K. Iyer. On estimating subject-treatment interaction. In *Advances on Methodological and Applied Aspects of Probability and Statistics*, Edited by N. Balakrishnan, Taylor & Francis, New York (2002). pp 349 – 364.
37. **Gadbury, G. L.**, Iyer, H. K., and H. T. Schreuder (2002). An adaptive analysis of covariance using tree-structured regression. *Journal of Agricultural, Biological, and Environmental Statistics*, 7, 42 – 57.
38. Allison, D. B., **Gadbury, G. L.**, Heo, M., Fernandez, J.R., Lee, CK., Prolla, T.A., Weindruch, R. (2002). A mixture model approach for the analysis of microarray gene expression data. *Computational Statistics and Data Analysis*, 39, 1 – 20.
39. Fontaine, K. R., **Gadbury, G.**, Heymsfield, S. B., Kral, J., Albu, J., and Allison, D. B. (2002). Quantitative prediction of body diameter in severely obese individuals. *Ergonomics*. 45, 49-60.
40. **Gadbury, G. L.** Iyer, H. K., and D. B. Allison (2001). Evaluating subject-treatment interaction when comparing two treatments. *Journal of Biopharmaceutical Statistics*. 11(4), 313 – 333.
41. **Gadbury, G. L.** (2001). Randomization inference and bias of standard errors. *The American Statistician*. 55, 310-313.
42. **Gadbury, G. L.** and H. K. Iyer (2000). Unit-treatment interaction and its practical consequences. *Biometrics*. 56, 882 – 885.

Presentations published as abstracts

1. Wu XX, Patki A, Lara-Castro C, Osier MV, **Gadbury GL**, Allison DB, Martin M, Garvey WT. Genes and Biochemical Pathways in Human Skeletal Muscle Affecting Resting Energy Expenditure and Fuel Partitioning, *DIABETES* Volume: **58** Pages: A362-A362 Supplement: Suppl. 1 JUN 2009.
2. Whitefield PD, Rutter AP, Hagen DE, **Gadbury GL**, Schmid O, Brinkman M, Ross, MN. In-Situ stratospheric observations of a volatile component in rocket exhaust aerosol particles. *Eos Trans. AGU*, 84(46). Fall Meet. Suppl., Abstract A32B-0154, 2003.
3. Coffey C, **Gadbury G**, Fontaine K, Wang CX, Weindruch R, Allison D. The effects of intentional weight loss as a latent variable problem. *Obesity Research* 11: A147 – A 147 Suppl. S Sept. 2003.
4. Albert JM, **Gadbury GL**. Treatment effect heterogeneity in blocked randomized trials with binary outcomes. *Controlled Clinical Trials* 24: 28 Suppl. 3 June 2003.
5. Allison, D. B., **Gadbury, G.**, Schwartz, L. G., Murugesan, R., Kraker, J. L., Heshka, H., Heymsfield, S. B., & Heo, M. A Randomized Controlled Clinical Trial Of A Novel Meal

- Replacement Formula For Weight Loss Among Obese Individuals. Presentation at EXPERIMENTAL BIOLOGY 2001. March 31-April 4, 2001, Orlando, Florida. Abstract LB318.
6. Fernandez, J.R., **Gadbury, G**, Heo, M., Lee, C.K. Prolla, T. A., Weindruch, R., & Allison, D.B. (2000). Use of microarrays to detect genes differentially expressed with caloric and non-caloric restriction feeding: a focus on analytical approaches. *Obesity Research* Vol (1), Supp 1. p. 32S.

Other publications (non-refereed)

1. Loop, M.S., Wood, A.C., Thomas, A.S., Dhurandhar, E.J., Shikany, J.M., Gadbury, G.L., and Allison, D.B. (2011). Submitted for Your Consideration: Potential Advantages of a Novel Clinical Trial Design and Initial Patient Reaction. In *JSM Proceedings*, Alexandria, VA: American Statistical Association, 2699-2705.
2. Paranagama, D. and Gadbury GL. (2011) Correlation and Variance Stabilization in Large-Scale Experiments Comparing Two Group. In *JSM Proceedings*, Alexandria, VA: American Statistical Association, 1420-1434.
3. L. Gan, **GL. Gadbury**, PD. Whitefield, DE. Hagen, P. Lobo (2009). Modeling particulate matter emissions at the Hartsfield-Jackson Atlanta Airport. *2008 Proceedings of the American Statistical Association, Statistics and the Environment Section* [CD - ROM], Alexandria, VA: American Statistical Association.
4. Edwin A. Ndum, **Gary L. Gadbury** (2009). The influence of time on individual effect variability in a two treatment, three period crossover design. *2008 Proceedings of the American Statistical Association, Biopharmaceutical Section* [CD - ROM], Alexandria, VA: American Statistical Association.
5. Wanrong Yin, **Gary L. Gadbury**, V. A. Samaranyake (2005). Power and Type I Error in a Global Test of Differential Genetic Expression. *Proceedings of the American Statistical Association, Biometrics Section* [CD - ROM], Alexandria, VA: American Statistical Association.
6. Xiaojun Hu, **Gary L. Gadbury**, Qinfang Xiang (2005). Distributional aspects of P-values and their uses in multiple testing applications. *Proceedings of the American Statistical Association, Biometrics Section* [CD - ROM], Alexandria, VA: American Statistical Association
7. **Gary L. Gadbury**, Michael S. Williams, Hans T. Schreuder (2004). Revisiting the Southern Pine Growth Decline: Where are we 10 years later. *USDA Forest Service Rocky Mountain Station Research paper RMRS-GTR-124*.
8. **Gadbury GL**, Rutter AP, Ye Y, Hagen DE, Whitefield PD. (2003). A study evaluating aerosol particulate concentration. *Proceedings of the American Statistical Association, Section on Statistical Consulting* [CD - ROM], Alexandria, VA: American Statistical Association.
9. Sarah Klein, **Gary L. Gadbury** (2003). Counter-Intuitive Probability in Risk Assessment. *Proceedings of the American Statistical Association, Section on Social Statistics* [CD - ROM], Alexandria, VA: American Statistical Association.
10. **Gadbury, G. L.** (2001) Book Review: "Analysis of Incomplete Multivariate Data", by Joe Schafer. *Journal of the American Statistical Association*. 95: p. 1013.
11. **Gadbury, G. L.**, Iyer, H. K., Schreuder, H. T., and C. Y. Ueng (1998). "A nonparametric analysis of plot basal area growth in Southeastern United States". *USDA Forest Service Rocky Mountain Station Research paper RMRS-RP-2*.
12. C. Y. Ueng, **G. L. Gadbury**, and H. T. Schreuder (1997). "Robust regression analysis of growth in basal area of natural pine stands in Georgia and Alabama". *USDA Forest Service Rocky Mountain Station Research paper RM-RP-331*.
13. **Gadbury, G. L.**, and H. K. Iyer (1997). "Causal inference and the problem of estimating a subject by treatment interaction". *Technical Report 97/17*, Department of Statistics, Colorado State University.
14. **Gadbury, G. L.**, and H. K. Iyer (1997). "Issues concerning estimation of the variance of treatment effects under the Rubin model for causal inference". *Proceedings of The Biometrics Section of the Joint Statistical Meetings*. American Statistical Association, Alexandria, VA.

PRESENTATIONS

Professional Talks

1. Gary Gadbury, Invited. Individual treatment effects and subject-treatment interaction. Kansas University Medical Center, Department of Biostatistics. October 24, 2014.
2. Gary Gadbury, Invited. Interdisciplinary statistical research topics and their relevance to the state and society. Presentation to the Dean's Advisory Council, October 2012, Manhattan, KS.
3. Gary L. Gadbury, Invited. Conditional network testing in high-dimensional dependent data. *Interface 2012: The Future of Statistical Computing*. Houston, May 16 – 18, 2012 (with Dilan Paranagama).
4. Gary L. Gadbury, Robert Poulson, David Allison. Treatment heterogeneity and individual qualitative interaction. *Contributed Session at the Joint Statistical Meetings*. Miami, August 1, 2011.
5. Gary Gadbury, Invited. Treatment heterogeneity and individual qualitative interaction. National Institute of Environmental Health Sciences, Raleigh, NC. Dec. 14, 2010.
6. Gary Gadbury, Invited. Topics in high-dimensional data analysis. Seminar at St. Olaf College, Northfield, MN. April 7, 2009.
7. Gary L. Gadbury. Modeling the distribution of P-values in high-dimensional applications. *Topic Contributed Session at the Joint Statistical Meetings*. Denver, August 3, 2008.
8. Gary Gadbury, Invited. Challenges and approaches to the analysis of high-dimensional data. Ecological Genomics Research Forum. Kansas State University. May 31, 2008.
9. Gary L. Gadbury, Invited. Evaluating statistical methods using plasmode data sets: An illustration with the false discovery rate. University of Missouri – Columbia. September 5, 2007.
10. Gary L. Gadbury, Invited. Intentional weight-loss effects on mortality rate modeled as a latent variable problem. *ENAR section of the Joint Statistical Meetings*. Salt Lake City, August 1, 2007.
11. Gary L. Gadbury, Invited. Simulating high dimensional data for comparing statistical methods. Spring Research Conference. Ames, Iowa, May 21 – 23, 2007.
12. Gary L. Gadbury, Invited. Individual treatment response heterogeneity. Design, Analysis, & Interpretation of RCTs in Obesity (funding provided by NIH). Newark, NJ. December 4 – 5, 2006.
13. Gary L. Gadbury, Invited. Multiple testing and the false discovery rate (FDR). The Second Plant Microarray Short Course on Design and Analysis of Plant Microarray Experimentation (funded by NSF). Boston, August 2 – 4, 2006.
14. Gary L. Gadbury, Invited. Challenges and Approaches to Analyzing High Dimensional Data. Colloquium talk. University of North Florida, Jacksonville. March 29th, 2006.
15. Wanrong Yin, Gary L. Gadbury, V.A. Samaranyake. Power and type I error in a global test of differential expression. *Biometrics section of the Joint Statistical Meetings*. Minneapolis, MN August 7-11, 2005.
16. Qinfang Xiang, Gary L. Gadbury, and Jode Edwards. Modeling P-values in high-dimensional testing applications using a uniform-beta mixture: The performance of interval estimates. *The meetings of The International Biometric Society / Eastern North American Region (ENAR)*. Austin, TX. March 20 – 23, 2005.
17. Gary L. Gadbury, Qinfang Xiang. Sample size and power assessment in microarray studies. Poster presentation. *Conference on Applied Statistics in Agriculture*. Kansas State University, Manhattan, KS April 25-27, 2004.
18. Gary L. Gadbury, Invited. The distribution of P-values in microarray experiments. Department of Statistics Colloquium. University of Missouri – Columbia. November 21, 2003.
19. Gary L. Gadbury, Invited. The distribution of P-values in microarray experiments. *International Conference on Statistics, Combinatorics, and Related Areas*. University of Southern Maine, Portland, ME. October 3 – 5, 2003.
20. Gary L. Gadbury, Andrew P. Rutter, Donald E. Hagen, and Philip D. Whitefield. A Study Evaluating Aerosol Particulate Concentration and Size in the Stratospheric Plumes of Rockets. *Statistical Consulting Section of the Joint Statistical Meetings*. San Francisco, August 3 – 7, 2003.

21. Gadbury, G.L., Iyer, H.K., Albert, J.M. "Individual treatment effects in randomized trials with binary outcomes." *The meetings of The International Biometric Society / Western North American Region (WNAR)*. Golden, CO June 22 – 25, 2003.
22. Gadbury, G.L. Invited Talk. "Individual treatment heterogeneity in clinical experiments". *Biopharmaceutical Section of the Joint Statistical Meetings*. New York, NY. August 11 – 15, 2002.
23. Gadbury, G.L. "The profession of statistics and statistical techniques for microarray data" . *Making Sense of Data Workshop for Teachers*, an activity based quantitative literacy workshop for elementary, middle school, and high school teachers in Missouri. Summer, 2001.
24. Gadbury, G. L., Iyer, H. K., and H. T. Schreuder. "An adaptive nonparametric ANCOVA for survey data". *The meetings of The International Biometric Society / Eastern North American Region (ENAR)*. Chicago, IL. Spring, 2000.
25. Gadbury, G. L., and H. K. Iyer. "Unit-treatment interaction in randomized trials with dichotomous responses". *Biometrics section of the Joint Statistical Meetings*. Baltimore, MD August 8-12, 1999.
26. Gadbury, G. L., and H. K. Iyer. "Evaluating unit-treatment interaction in two randomized designs". *The meetings of The International Biometric Society / Eastern North American Region (ENAR)*. Atlanta, GA Spring, 1999.
27. Gadbury, G. L., and H. K. Iyer. "Estimating a subject by treatment interaction in cross-over designs". *Biopharmaceutical Section of the Joint Statistical Meetings*. Dallas, TX August 9-13, 1998.
28. Gadbury, G. L., and H. K. Iyer. "Causal Inference and estimating a unit-treatment interaction in randomized experiments". *Conference on Applied Statistics in Agriculture*. Kansas State University, Manhattan, KS April 26-28, 1998.
29. Gadbury, G. L., and H. K. Iyer. "Causal inference and the problem of estimating a subject by treatment interaction in matched-pairs experiments". *The meetings of The International Biometric Society / Eastern North American Region (ENAR)*. Pittsburgh, PA Spring, 1998.
30. Gary L. Gadbury. "Inference of cause-effect relationships". *Planning session for the Multiresource Inventory Techniques Project*. USDA Forest Service, Fort Collins, CO November 12, 1997.
31. Gadbury, G. L., and H. K. Iyer. "Issues concerning estimation of the variance of treatment effects under the Rubin model for causal inference". Paper presented in a special contributed paper session with Donald B. Rubin as discussant. *The Joint Statistical Meetings*. Anaheim, CA August 10-14, 1997.
32. Gadbury, G. L., Iyer, H. K., and H. T. Schreuder. "A generalized method of analysis of covariance using tree-structured regression". *The International Conference on Combinatorics, Information Theory, and Statistics*. University of Southern Maine, Portland, Maine. July 18-20, 1997.
33. Hoeting, Jennifer A., and Gary L. Gadbury. "Model averaging for linear regression models using Bayesian simultaneous variable, outlier, and transformation selection (SVOT)". Poster presentation at *The International Workshop on Model Uncertainty and Model Robustness*. Bath, England. June 30 - July 2, 1995.

Informal Talks

1. Intentional weight loss using potential outcomes and matched-pairs. Research meeting at University of Alabama at Birmingham. Sept 15-16, 2008.
2. Drawing inferences in high dimensional settings using the distribution of P-values: some cautionary remarks and recent developments. Research meeting: MD Anderson Cancer Center, Houston. February 2008.
3. Intentional weight loss effects on mortality as a latent variable problem. Research meeting at the Centers for Disease Control, Atlanta. March 2007.
4. Topics in high dimensional data analysis. Presentation to UMR class, Problem Solving in Applied Mathematics. Fall 2006.

5. Modeling P-values in multiple testing applications. Annual meeting of the NSF funded Microarray Research Coordination Network. Mohonk Mountain House, New Paltz, NY. September 2005.
6. Subject – treatment interaction. MAA meeting of undergraduate students. UMR, Fall 2004.
7. Genes to Outer Space. MAA meeting of undergraduate students. UMR. Fall, 2003.
8. Power in Microarray Studies. Annual meeting of the NSF funded Microarray Research Coordination Network. Mohonk Mountain House, New Paltz, NY. September 2003.
9. A statistical analysis of microarray data. MAA meeting of undergraduate students. UMR. Fall, 2002.
10. Analysis of genetic expression data. Graduate Student seminar, Department of Mathematics and Statistics, University of Missouri – Rolla (UMR). Nov. 1, 2001.
11. First moment ignorability. Statistics seminar series. Department of Mathematics and Statistics, UMR. Fall, 2000.
12. Causality in statistics. Journal Club. Obesity Research Center, New York NY. July 2000.

TEACHING

Kansas State University

Graduate Course: Applied Linear Statistical Models

Topics in High-dimensional data analysis
 Introduction to SAS computing
 Theory of Statistics 2
 Introduction to R
 Resampling Techniques
 Correlation and Regression
 Observational Studies
 Theory of Linear Models I

Undergraduate: Business and Economic Statistics I

University of Missouri – Rolla

Graduate courses: Nonparametric Statistical Methods; Probability and Statistics; Mathematical Statistics; Statistical Data Analysis; Regression Analysis, Biostatistics (experimental course); Linear Models I; Linear Models II.

Undergraduate courses: Engineering Statistics, Applied Engineering Statistics

Other Teaching Activity:

- On Course! CERTI Teaching improvement workshop. August 16-17, 2004.
- Co-advised a team of 3 undergraduate students (Micah Hackett, Sarah Klein, and Matthew Thacker) that participated in the Interdisciplinary Contest on Modeling, February, 2002. The team earned a Meritorious designation.

University of North Carolina – Greensboro

Graduate Courses: Nonparametric Statistics; Advanced Statistics in the Behavioral and Biological Sciences II; Observational Studies.

Undergraduate Courses: Fundamental Concepts of Statistics

Other Teaching Activity: Supervised undergraduate student research into “Bootstrapped confidence intervals for a unit-treatment interaction term”.

Colorado State University

Graduate Course: Statistics course for the Executive MBA program (1998).

Undergraduate Courses: General Statistics; Statistics for Engineers and Scientists; Introduction to Biostatistics

University of Colorado – Denver

Undergraduate Course: College Algebra

CONTINUING EDUCATION (post doctoral)

- Workshop: Bioconductor for the analysis of genome-scale data. ENAR, San Antonio, TX. March 15, 2009.
- Tutorial: Mass spectrometry based proteomics. ENAR, San Antonio, TX. March 16, 2009.
- Workshop: NASA Glenn Aviation Particle Emissions Workshop. Cleveland, Ohio., November 18-19, 2004.
- Short Course: Statistical Methods for the Analysis of Repeated Measurements. Sponsored by the Mid-Missouri Chapter of the ASA. Columbia, MO. April 3, 2004.
- One day tutorial on analysis of microarray data. June 18, 2003. Graybill Conference. Colorado State University.
- Short Course on Quantitative Phenotypes. May 15 – 18, 2001. University of Alabama at Birmingham.
- Principles of Quantitative Genetics, and Quantitative Trait Locus Mapping I. June, 2000. Summer Institute on Statistical Genetics, North Carolina State University.
- Tutorial: Bayesian Biostatistical Data Analysis using BUGS. March 20, 2000. International Biometric Society ENAR 2000 Spring Meetings, Chicago, IL.

UNIVERSITY SERVICE

(A year appearing with an M.S. or Ph.D committee implies the student graduated)

* Adviser

Ph.D. Committee:

Xiaojun Hu (*Statistics, 2007); Grant Lathrom (Mathematics, 2003); Derek (Yi) Ye (*Statistics, 2005); Xu Cao (Statistics, 2006); Florian Rueck (Statistics, 2005); Thidaporn Supapakorn (*Statistics, 2008); Qinfang Xiang (*Statistics, 2006); Steve Alferink (Statistics); Purna Mukhopadhyay (Statistics, 2008); Edwin Ndum (*Statistics, 2009); Lianqing Zheng (*Statistics 2013); Dilan Paranagama (*Statistics, 2011); Robert Poulson (*Statistics 2011); Roshan Serasinghe (*Statistics 2013); Seth Demel (Statistics 2013); Karen Keating (*Statistics 2012); Troy Richardson (*Statistics 2013); Niranga Amarasingha (Civil Engr. 2012); Yixin Chen (Statistics); Mohammed Gharaibeh (Statistics); Tingting Song (Statistics); Bo Tong (Statistics)

M.S. Thesis Committee: Kathrin Koetting (Statistics, 2002), Florian Rueck (Statistics, 2003);

Kimberly McAdams (Eng. Mgmt, 2002); Tyson Bourbina (Nuc. Eng., 2003); Navin Sugathan (Civil Eng, 2004); Venkat Ramana (Civil Eng, 2004); Jimmy Rathod (Civil Eng, 2004); Wanrong Yin (*Statistics, 2005); Sunil Pulimootil (Engr. Mgmt, 2004); Angela Jugan (Statistics, 2005); Christina Welch (Mathematics, 2006);

Tim Jensen (Co-*Statistics, 2006); Stefan Koerner (Co-*Statistics, 2006);
Loretta Hunter (Bio Sciences, 2006); Lu Gan (*Statistics, 2008); Lixia Fan (*Statistics, 2010);
Nicole Dick (Statistics, 2008); Yun Wu (Statistics, 2009); Roby Joehanes (*Statistics, 2009);
Lee Goerl (Statistics); Tingting Song (*Statistics, 2010); Lei Dong (Statistics, 2009);
Hyoungjin Jun (Statistics, 2010); Thilanka Paranagama (Statistics, 2010);
Kumary Serasinghe (Statistics, 2010); John Richards (Statistics, 2010);
Stacey Ahern (Industrial Engr., 2010); Chunxia Chen (Statistics); Muditha Perera (Statistics, 2011);
Dustin Mauer (Statistics, 2011); Antoinette Leiker (Statistics, 2012),
Natalya Makarova (Statistics, 2012) ; David Hembree (Statistics, 2012);
Xiaofei Wang (*Statistics 2012); Indu Seetharaman (Statistics 2013); Rohan Khatavkar (Statistics
2013)
Xin Sun (*Statistics 2013)

M.S. Non-thesis exams: Jad Hayes (2001); Julie Davenport (2002); Steve Alferink (2002);
Laura Pleiman (2002); Casey Swadley (*2002); Xiaojun Hu (*2002); Derek Yi (2002);
Carrie Fellers (2003); Briehan Larson (2003); Qinfang Xiang (*2004); Lijun Qin (2004);
Patrik Czornik (2005); Matthias Frank (2005); Lin Yang (*Statistics); Shaun Smith (Ind Eng., 2011)

Ph.D. Qualifying Exams: Rolla: Probability (2002, 2003). Mathematical Statistics (2005).
Nonparametrics (2003, 2005). Linear Models (2005, with Samaranyake). Linear Models (2007)
K-State: Theory committee (2009), Applied Linear Models and Design committee (2010,2011,2012) ;
Theory of Linear Models Exam committee (2014)

PhD Comprehensive Exam: Rolla: Linear Models (2006, 2007,2008).

Committees

At Kansas State University

(Fall 2008; Spring 2010), Seminar Coordinator
(2008,2009) Proceedings Editor for the 2008 and 2009 Kansas State University Conference on Applied
Statistics in Agriculture.
(2007 – present) Chair, Statistics PhD Assessment Committee
(2007-2008) Member, Search committee for a new Department Head of Statistics.
(2008-2009) Chair, Faculty Search Committee
(2009-2010) Chair, Faculty Search Committee
(2012-2013) Chair, Faculty Search Committee
(2013-2014) Chair, Instructor Search Committee
(2011-2012) Member, Faculty Search Committee
(2009-2012) Member, Graduate Student Progress Committee
(2009-2011) Member, Departmental Computing Committee
(2011-2012) Chair, Departmental Computing Committee
(2010-present) Chair, Scholarship and awards committee
(2011-2012) Member, PhD Qualifying Examination Committee
(2012-present) Graduate Program Co-Director
(2012-2013) Member, K-State 2025 Strategic Plan Departmental Committee

Other

Talk to Graduate Students about K-State at St. Olaf College, Northfield, MN. April 6, 2009.

At University of Missouri - Rolla

(2006 – 2007) Academic Council
(2007) Member, Ingram Lecture Series Committee
(2007) Co-coordinator graduate student seminar series
(2003 – 2006) Committee for Bioinformatics degree(s) at UMR

(2003 – 2007) Departmental coordinator for Opportunities for Undergraduate Research (OURE)
(2003-2005) Departmental Curriculum Committee, UMR
(2001-2003, 2007-present)) Member, Departmental Undergraduate Policy Committee, UMR.
(2002-2004, 2005-present) Member, Departmental Graduate Policy Committee, UMR.
(2001-2003) Member, College of Arts and Sciences Curriculum Committee, UMR.
(2001,2002-2007) Member , Department Faculty (Statistics) Search Committee, UMR.

Other

(2001) Graduate student recruiting talk at Southeast Missouri State University
(2001) Graduate student recruiting talk at Southwest Missouri State University
(2003) Graduate student recruiting talk at Truman State University

(Service at UNC-Greensboro)

(2000) Member of the search committee for a new department head, Department of Mathematical Sciences,
University of North Carolina – Greensboro.
(1999-2000) Member of the committee for Academic Integrity Policy, University of North
Carolina – Greensboro.
(1999) Graduate Student recruiting talk an ELON College, North Carolina