CURRICULUM VITAE

Jeffrey S. Morris, Ph.D.
Associate Professor
Department of Biostatistics
University of Texas MD Anderson Cancer Center
1515 Holcombe Boulevard, Unit 447
Houston, TX 77030-4009
Phone: (713) 563-4284
Fax: (713) 563-4242
jeffmo@mdanderson.org

EDUCATION

Texas A&M University, College Station, TX, 2000, Ph.D., Statistics
Advisors: Raymond J. Carroll and Naisyin Wang
Dissertation Title: "Innovative Statistical Methods for Colon Carcinogenesis"
Texas A&M University, College Station, TX, 1997, MS, Statistics
Messiah College, Grantham, PA, 1993, BS, Mathematics Education

PROFESSIONAL EXPERIENCE

Academic Appointments:

1. Associate Professor, Department of Biostatistics and Applied Mathematics, University of Texas MD Anderson Cancer Center, Houston, TX, 2005 – present.
2. Assistant Professor, Department of Biostatistics, University of Texas MD Anderson Cancer Center, Houston, TX, 2000 – 2005.
3. Research Assistant, Nutrition Group, Texas A&M University, College Station, TX, 1998-2000

Lectureships and Visiting Professorships:

Visiting Fellow, University of Kent at Canterbury, Canterbury, UK, May 2001-July 2001.

Teaching Experience:

1. High School Teacher, Northside Christian School, St. Petersburg, FL, 1993-1995.
2. Teaching Assistant, Introduction to Biometry, Texas A&M University, Department of Statistics, College Station, TX., 1996-1997.
3. Assistant Lecturer, Mechanical Engineering Statistics, Texas A&M University, College Station, TX., 1998.

HONORS AND AWARDS

1. Texas A&M University Graduate Merit Fellowship, 1995
2. Texas A&M College of Science Dean's Graduate Fellowship, 1995
3. UK Engineering and Physical Sciences Research Council Visiting Fellowship, 2001
4. Travel Award for Young Researchers, Biometrics Section of ASA, 2001
5. Best Abstract, 1st Annual Proteomics Data Mining Conference, 2002
6. JASA Applications and Case Studies Invited Paper, 2003
7. Mitchell Prize for Outstanding Bayesian Application Paper, 2003
8. Best Presentation, 4th Critical Assessment of Microarray Data Analysis (CAMDA), 2003
9. University of Texas MD Anderson Cancer Center E.N. Cobb Faculty Scholar Award, 2004
10. Thomson-ESI Hot Paper in the Field of Computer Science, July 2005
11. American Statistical Association Noether Young Scholar Award, 2005

RESEARCH

Grants and Contracts:

1. Principal Investigator, NIH-NCI 1R01CA107304-01, $661,403: Adaptive Methods for Biomedical Data, 3/1/04-2/28/08, 40% salary support.
2. Statistician, NIH-NCI, 5P30-CA016672-27, Cancer Center Support Grant, Biostatistics Core, 7/1/03-6/30/08, 10% salary support (John Mendelsohn, PI).
3. Statistician, NIH 1R01 CA098380-01, Molecular Epidemiology of Pancreatic Cancer, 7/1/04 – 6/30/09, 5% salary support (Donghui Li, PI).
4. Statistician, American Cancer Society Research Scholar Award, 15-Lipoxygenase-1 and Mechanisms of Colorectal Tumorigenesis, 1/1/04 – 12/31/07, 5% salary support year 1, 10% salary support years 2-4 (Imad Shureiqi, PI).
5. Statistician, NIH R01-CA104278, Mouse Models of 15-LOX-1 and PPAR-delta in Colon Cancer, 7/1/04 – 6/30/08, 5% salary support (Imad Shureiqi, PI).
6. Co-Investigator, NIH-NCI, 1R01 CA106577-01A1, $296,250: 5-LOX-1 and Clinical Chemoprevention of Colon Tumors, 04/01/05-08/31/09, 5% salary support. (Imad Shureiqi, PI).
7. Statistician, NIH 1R01AA016157-01, Brain Biomarkers of Alcoholism and Abstinence, 06/15/06-05/31/11, 10% salary support (Howard B. Gutstein, PI).
8. Co-Investigator, NIH 5R01DA0154604, From Drug Use to Addiction: Unearthing the Switches, 9/30/02-5/31/07, 10% salary support (Howard B. Gutstein, PI).
9. Statistician, NIH 1R56AA01388602, Proteomic Approaches to Alcoholism, 9/30/06-8/31/07, 5% salary support (Howard B. Gutstein, PI).

PUBLICATIONS

Statistical Methods/Bioinformatics Publications:

1. **Morris JS,** Walla BC and Gutstein HB: A Fast, Automatic Method for Detecting and Quantifying Protein Spots in 2-Dimensional Gel Electrophoresis Data. *Bioinformatics*, to appear 2007.
2. **Morris JS:** Statistical Issues in Proteomic Research. *Bulletin of the International Society for Bayesian Analysis*, to appear, 2007.

3. Gutstein HB and **Morris JS:** Laser capture sampling and analytical issues in proteomics. *Expert Reviews in Proteomics*, 4(5), 627-637, 2007.
4. Song JJ, Lee HJ, **Morris JS**, and Kang S: Clustering of time-course gene expression data using functional data analysis. *Computational Biology and Chemistry*, 31(4), 265-274, 2007.
5. Gutstein HB, **Morris JS**, Palani SBA, and Sweedler JV: Microproteomics: Analysis of protein diversity in small samples. *Mass Spectrometry Reviews*, accepted, 2007.
6. **Morris JS**, Baggerly KA, Gutstein HB, and Coombes KR: Statistical contributions to proteomic research. *The Urine Proteome*, Humana, to be published 2008.
7. **Morris JS**, Brown PJ, Herrick RC, Baggerly KA, and Coombes KR: Bayesian Analysis of Mass Spectrometry Data using Wavelet Based Functional Mixed Models. *Biometrics*, doi: 10.1111/j.1541-0420.2007.00895.x, 2007.
8. Coombes, KR, Baggerly KA, and **Morris JS**: Pre-Processing Mass Spectrometry Data. *Fundamentals of Data Mining in Genomics and Proteomics*, W Dubitzky, M Granzow, and D Berrar, eds. Kluwer, Boston, 79-99, 2007.
9. Karpievitch YV, Hill EG, **Morris JS**, Coombes KR, Baggerly KA and Almeida JS: PrepMs. *Bioinformatics* 23(2): 264-265, 2007.
10. Herrick RC, **Morris JS**: Wavelet-based functional mixed model analysis: Computational Considerations. *Proceedings, Joint Statistical Meetings, ASA Section on Statistical Computing*, 2051-2053, 2006.
11. Mayo MS, Gajewski BJ, and **Morris JS**: Some Statistical Issues in Microarray Gene Expression Data. *Radiation Research*, 165(6): 745-748, 2006.
12. **Morris JS**, Arroyo C, Coull B, Ryan LM, Herrick R, and Gortmaker SL: Using Wavelet-Based Functional Mixed Models to Characterize Population Heterogeneity in Accelerometer Profiles: A Case Study. *Journal of the American Statistical Association*, 101(476): 1352-1364, 2006.
13. **Morris JS** and Carroll RJ: Wavelet-Based Functional Mixed Models. *Journal of the Royal Statistical Society, Series B*, 68(2): 179-199, 2006.
14. **Morris JS**, Brown PJ, Baggerly KA, and Coombes KR: Analysis of Mass Spectrometry Data Using Bayesian Wavelet-Based Functional Mixed Models. *Bayesian Inference for Gene Expression and Proteomics*, KA Do, P Mueller, and M Vannucci, eds., Cambridge University Press, 269-292, 2006.
15. **Morris JS,** Baggerly KA, and Coombes KR: Shrinkage Estimation for SAGE Data using a Mixture Dirichlet Prior. *Bayesian Inference for Gene Expression and Proteomics*, KA Do, P Mueller, and M Vannucci, eds., Cambridge University Press, 254-268, 2006.
16. Baggerly KA, Coombes KR, and **Morris JS**: An Introduction to High-Throughput Bioinformatics Data. *Bayesian Inference for Gene Expression and Proteomics*, KA Do, P Mueller, and M Vannucci, eds., Cambridge University Press, 1-39, 2006.
17. Guindani M, Do KA, Muller P, and **Morris JS**: Bayesian Mixture Models for Gene Expression and Protein Profiles. *Bayesian Inference for Gene Expression and Proteomics*, KA Do, P Mueller, and M Vannucci, eds., Cambridge University Press, 238-253, 2006.
18. **Morris JS,** Wu C, Coombes KR, Baggerly KA, Wang J, and Zhang L: Alternative Probeset Definitions for Combining Microarray Data Across Studies Using Different Versions of Affymetrix Oligonucleotide Arrays. To appear in *Meta-Analysis in Genetics*, edited by Rudy Guerra and David Allison, Chapman-Hall, 2006.
19. Coombes KR, **Morris JS**, Hu J, Edmondson SR, and Baggerly KA: Serum Proteomics Profiling: A Young Technology Begins to Mature. *Nature Biotechnology*, 23(3): 291-292, 2005.
20. **Morris JS**, Coombes KR, Kooman J, Baggerly KA, and Kobayashi R: Feature Extraction and Quantification for Mass Spectrometry Data in Biomedical Applications Using the Mean Spectrum. *Bioinformatics*, 21(9): 1764-1775, 2005.

21. Coombes KR, Tsavachidis S, **Morris JS**, Baggerly KA, and Kuerer HM: Improved Peak Detection and Quantification of Mass Spectrometry Data Acquired from Surface-Enhanced Laser Desorption and Ionization by Denoising Spectra with the Undecimated Discrete Wavelet Transform. *Proteomics*, 5: 4107-4117, 2005.
22. Hu J, Coombes KR, **Morris JS**, and Baggerly KA: The Importance of Experimental Design in Proteomic Mass Spectrometry Experiments: Some Cautionary Tales. *Briefings in Genomics and Proteomics*, 3(4), 322-331, 2005.
23. Coombes KR, Koomen, JM, Baggerly KA, **Morris JS**, and Kobayashi R: Understanding the characteristics of mass spectrometry data through the use of simulation. *Cancer Informatics*, 1(1): 41-52.
24. Baggerly KA, Coombes KR, and **Morris JS.** Are the NCI/FDA Ovarian Proteomic Data Biased? A Reply to Producers and Consumers. *Cancer Informatics*, 1(1): 9-14.
25. Baggerly KA, **Morris JS**, Edmonson S, and Coombes KR: Signal in Noise: Evaluating Reported Reproducibility of Serum Proteomic Tests for Ovarian Cancer. *Journal of the National Cancer Institute*, 97: 307-309, 2005 (with commentary).
26. **Morris JS,** Yin G, Baggerly KA, Wu C, and Zhang L: Pooling Information Across Different Studies and Oligonucleotide Microarray Chip Types to Identify Prognostic Genes for Lung Cancer. *Methods of Microarray Data Analysis IV*, eds. JS Shoemaker and SM Lin, pp. 51-66, New York: Springer-Verlag, 2005 (Won best presentation at CAMDA 2003 meetings).
27. Hu, J, Yin G, **Morris JS**, Zhang L, and Wright FA: Entropy and Survival-based Weights to Combine Affymetrix Array Types in the Analysis of Differential Expression and Survival. *Methods of Microarray Data Analysis IV*, eds. JS Shoemaker and SM Lin, pp. 95-108, New York: Springer-Verlag, 2005.
28. Baggerly KA, Deng L, **Morris JS**, and Aldez CM: Overdispersed Logistic Regression for SAGE: Modeling Multiple Groups and Covariates. *BMC Bioinformatics*, 5:144, 2004.
29. Baggerly, KA, **Morris JS**, and Coombes KR: Reproducibility of SELDI Mass Spectrometry Patterns in Serum: Comparing Proteomic Data Sets from Different Experiments. *Bioinformatics*, 20(5): 777-785, 2004. (Identified by Thomson-ISI as "one of the most cited recent papers in the field of computer science",see http://www.esi-topics.com/nhp/2005/july-05-KeithBaggerly.html)
30. Baggerly KA, Edmonson S, **Morris JS**, and Coombes KR: High-Resolution Serum Proteomic Patterns for Ovarian Cancer Detection. *Endocrine-Related Cancers*, 11(4): 583-584, 2004.
31. **Morris JS,** Wang N, Lupton JR, Chapkin RS, Turner ND, Hong MY, and Carroll RJ: Understanding the Relationship between Carcinogen-induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. *Advances in Experimental Medicine and Biology*, 537: 105-116, 2003.
32. Coombes KR, Fritsche HA Jr., Clarke C, Cheng JN, Baggerly KA, **Morris JS**, Xiao LC, Hung MC, and Kuerer HM: Quality Control and Peak Finding for Proteomics Data Collected from Nipple Aspirate Fluid Using Surface Enhanced Laser Desorption and Ionization. *Clinical Chemistry*. 49(10): 1615-1623, 2003.
33. **Morris JS**, Vannucci M, Brown PJ and Carroll RJ: Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis. *Journal of the American Statistical Association*. 98: 573-583, 2003 (Won Mitchell Prize and was 2003 JASA-ACS Invited Paper).
34. **Morris JS**, Vannucci M, Brown PJ and Carroll RJ: Rejoinder to "Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis." *Journal of the American Statistical Association*. 98: 591--597, 2003.
35. **Morris JS**, Baggerly K, and Coombes K: Bayesian Shrinkage Estimators of the Relative Abundance of mRNA Transcripts using SAGE. *Biometrics* 59: 476-486, 2003.

36. Baggerly K, **Morris JS**, Wang J, Gold D, Xiao LC and Coombes K: A comprehensive approach to the analysis of MALDI-TOF proteomics spectra from serum samples. *Proteomics* 3: 1667-1672, 2003 (Won Best Presentation at 2002 Duke University Proteomics Data Mining Competition).
37. Baggerly K, Deng L, **Morris JS**, Aldez CM: Differential expression in SAGE: Accounting for normal between-library variation. *Bioinformatics* 19(12): 1477-1483, 2003.
38. **Morris JS**, Wang N, Lupton JR, Chapkin RS, Turner ND, Hong MY and Carroll RJ: A Bayesian Analysis Involving Colonic Crypt Structure and Coordinated Response to Carcinogens Incorporating Missing Crypts, *Biostatistics* 3: 529--546, 2002.
39. **Morris JS:** The BLUPs Are Not "Best" When It Comes To Bootstrapping. *Statistics and Probability Letters* 56: 425-430, 2002**.**
40. **Morris JS**, Wang N, Lupton JR, Chapkin RS, Turner ND, Hong MY and Carroll RJ: Parametric and Nonparametric Methods for Understanding the Relationship Between Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon. *Journal of the American Statistical Association 96*: 816-826, 2001.

Submitted Papers (Statistical Methods/Bioinformatics)

1. Wu C, **Morris JS**, Baggerly KA, Coombes KR, Girard L, Minna JD, and Zhang L: A probe-to-transcripts mapping method for microarray data preprocessing to reflect transcriptome complexity.
2. Coombes KR, Clarke C, Stivers DN, Baggerly KA, **Morris JS**, Hamilton SR, Roth J, Mao L, Czerniak B, and Bast RC Jr.: Reproducibility of SELDI spectra across time and laboratories, on a single instrument.
3. Malloy EJ, Coull BA, **Morris JS**, Dubowsky SD, and Suh HH: Bayesian Smoothing in Functional Linear Mixed Models Using Wavelet Shrinkage.
4. Gutstein HB and **Morris JS**: Proteomic Sample Preparation: Laser Capture Microdissection and 2-Dimensional Polyacrylamide Gel Electrophoresis, and Associated Analytical and Statistical Issues.

Collaborative Scientific/Medical Publications:

1. Chan AOO, Jim MH Lam KF, Morris JS, Siu DCW, Tong T, Ng FH, Wong SY, Hui WM, Chan CK, Lai KC, Cheung TK, Chan P, Wong G, Yuen MF, Lau YK, Lee S, Szeto ML, Wong BCY, and Lam SK. Association of colorectal cancer and ademonas in patients with newly diagnosed coronary artery disease: a cross sectional study. *Journal of the American Medical Association*, 98(12): 1412-1419, 2007.
2. Shureiqi I, Zuo X, Broaddus R, Wu Y, Guan B, **Morris JS**, and Lippman SM. The transcription factor GATA-6 is overexpressed in vivo and contributes to silencing 15-LOX-1 in vitro in human colon cancer. *FASEB Journal*: 21(3): 743-753, 2007.
3. Rohatgi PR, Mansfield PF, Crane CH, Wu TT, Lee JH, Lynch PM, **Morris JS**, Pisters PW, Feig B, Sunder PK, Izzo JG, and Ajani JA. Clinical stage after preoperative chemoradiation is a better predictor of patient outcome than the baseline stage for localized gastric cancer. *Cancer*, to appear 2007.
4. Thomas MB, Chadha R, Glover K, Wang X, **Morris JS**, Brown T, Rashid A, Dancey J, and Abbruzzesse JL: A phase II study of Erlotinib (OSI 774) in patients with unresectable hepatocellular carcinoma. *Cancer*: to appear 2007.

5. Cradock AL, Melly SJ, Allen JG, **Morris JS**, and Gortmaker SL: Characteristics of school campuses and youth physical activity: Does size matter? *American Journal of Preventative Medicine.* 33(2): 106-113, 2007.
6. Anandasabapahty S, Jhamb J, Davila M, Wei C, **Morris JS**, and Bresalier R. Clinical and endoscopic factors predict higher pathologic grades of Barrett dysplasia. *Cancer*, 109(4): 558-574, 2007.
7. Lin EH, Curley SA, Crane CC, Feig B, Skibber J, Delcos M, Vadhan SR, **Morris JS**, Ayers GD, Ross A, Brown T, Rodriguez-Bigas MA, and Janjan N. Retrospective study of capecitabine and celecoxib in metastatic colorectal cancer: potential benefits and COX-2 as the common mediator in pain, toxicities and survival? *Journal of Clinical Oncology*: 29(3): 232-9, 2006.
8. Krishnan S, Janjan NA, Skibber JM, Rodrigues-Bigas MA, Wolff RA, Das P, DELclos ME, Chang GJ, Hoff PM, Eng C, Brown TD, Crane CH, Feig BW, **Morris JS**, Vadhan-Raj S, Hamilton SR, and Lin EH. Phase II study of capecitabine (Xeloda) and concomitant boost radiotherapy in patients with locally advanced rectal cancer. *Journal of Radiation Oncology, Biology, and Physics*, 66(3): 762-771, 2006.
9. Rohatgi PR, Mansfield PF, Crane CH, Wu TT, Sunder PK, Ross WA, **Morris JS**, Pisters PW, Feig BW, Gunderson LL, and Ajani JA. Surgical pathology stage by The American Joint Commission On Cancer (AJCC) criteria predicts patient survival after preoperative chemoradiation for localized gastric carcinoma. *Cancer*, 107(7): 1475-1482, 2006.
10. Zuo X, Wu Y, **Morris JS**, Stimmel JB, Leesnitzer LM, Fischer SM, Lippman SM, Shureiqi I. Oxidative metabolism of linoleic acid modulates PPAR-beta/delta suppression of PPAR-gamma activity. *Oncogene*. Feb 23;25(8):1225-41, 2006.
11. Shureiqi I, Wu Y, Chen D, Yang XL, Guan B, **Morris JS**, Yang P, Newman RA, Broaddus R, Hamilton SR, Lynch P, Levin B, Fischer SM, and Lippman SM. Critical role of 15-Lipoxygenase-1 in colorectal epithelial cell terminal differentiation and tumorigenesis. *Cancer Research*, 65(24): 11486-92, 2005.
12. Hong D, Lunagomez S, Kim EE, Lee JH, Bresalier RS, Swisher SG, Wu TT, **Morris JS**, Liao Z, Komaki R, and Ajani JA: Value of baseline positron emission tomography for predicting overall survival in patients with non-metastatic esophageal or gastroesophageal junction carcinoma. *Cancer*, 104(8): 1620-1626, 2005.
13. Beach R, Chan AOO, Wu TT, White JA, **Morris JS**, Lunagomez S, Broaddus RR, Issa JP, Hamilton SR, and Rashid A. BRAF mutations in aberrant crypt foci and hyperplastic polyposis. *The American Journal of Pathology*, 166(4), 1069-1075, 2005.
14. Chirieac LR, Swisher SG, Ajani JA, Komaki RR, Correa AM, **Morris JS**, Roth JA, Rashid A, Hamilton SR, and Wu TT. Posttherapy pathological stage predicts survival in patients with esophageal carcinoma receiving preoperative chemoradiation. *Cancer*, 103(7), 1347-1355, 2005.
15. Ajani JA, Mansfield PF, Crane CH, Wu TT, Lunagomez S, Lynch PM, Janjan N, Feig B, Faust J, Yao JC, Nivers R, **Morris JS**, and Pisters PW. Paclitaxel-based chemoradiotherapy in localized gastric carcinoma: Degree of pathologic response and not clinical parameters dictated patient outcome. *Journal of Clinical Oncology*, 23(6), 1237-1244, 2005.
16. Madoff DC, Abdalla EK, Gupta S, Wu TT, **Morris JS**, Denys A, Wallace MJ, Morello FA Jr, Ahrar K, Murthy R, Lunagomez S, Hicks ME, Vauthey JN. Transhepatic ipsilateral right portal vein embolization extended to segment IV: improving hypertrophy and resection outcomes with spherical particles and coils. *Journal of Vascular and Interventional Radiology*, 2(1): 215-225, 2005.
17. Ajani JA, Mansfield PF, Janjan N, **Morris JS**, Pisters PW, Lynch PM, Feig B, Myerson R, Nivers R, Cohen DS, and Gunderson LL: A multi-institutional trial of preoperative

chemoradiotherapy in patients with potentially resectable gastric carcinoma. *Journal of Clinical Oncology* 22(14), 2774-2780, 2004.

18. Ajani J, Walsch G, Komaki RR, **Morris JS**, Swisher SG, Lynch P, Wu TT, Vaporciyan A, Faust JC, Nivers RJ, and Roth J: Preoperative induction CPT-11 and cisplatin chemotherapy followed by chemoradiotherapy in patients with local-regional carcinoma of the esophagus or gastroesophageal junction. *Cancer* 100(11): 2347-2354, 2004.
19. Sinicrope FA, Half E., **Morris JS**, Lynch PM, Morrow JD, Levin B, Steinbach G, Hawk ET, Cohen DS, Ayers GD, Stephens LC, FAP Study Group: Cell proliferation and apoptotic indices predict adenoma regression in a placebo-controlled trial of celecoxib in Familial Adenomatous Polyposis (FAP) patients. *Cancer Epidemiology, Biomarkers, and Prevention,* 13(6): 1-8, 2004.
20. Pawlik TM, Izzo F, Cohen DS, **Morris JS,** and Curley SA: Combined resection and radiofrequency ablation for advanced hepatic malignancies: Results in 172 patients. *Journal of Surgical Oncology 10(9):* 1059-1069, 2003.
21. Pawlik TM, Paulino AF, Mcginn CJ, Baker LH, Cohen DS, **Morris JS**, Rees R, and Sondak VK: Cutaneous angiosarcoma of the scalp: A multidisciplinary approach. *Cancer 98(8):* 1716-1726, 2003.
22. Shureiqi I, Jiang W, Zuo X, Wu Y, Stimmel JB, Leesnitzer LM, **Morris JS**, Fan HZ, Fischer SM, Lippman SM: The 15-lipoxygenase-1 product 13-S-hydroxyocta-decadienoic acid down-regulates PPAR-{delta} to induce apoptosis in colorectal cancer cells. *Proceedings of the National Academy of Sciences 100(17):* 9968-9973, 2003.
23. Hong MY, Chapkin RS, Davidson LA, Turner ND, **Morris JS**, Carroll RJ, and Lupton JR: Fish oil enhances targeted apoptosis during colon tumor initiation in part by downregulating BCL-2. *Nutrition and Cancer 46(1):* 44-51, 2003.
24. Switzer KC, McMurray DN, **Morris, JS** and Chapkin RS: N-3 polyunsaturated fatty acids promote activation-induced cell death in murine T lymphocytes. *The Journal of Nutrition* 133 (2): 496-503, 2003.
25. Madoff DC, Hicks ME, Abdalla EK, **Morris JS** and Vauthey JN: Portal vein embolization using polyvinyl alcohol particles and coils in preparation for major liver resection for hepatobiliary malignancy: Safety and Efficacy: A study in 26 patients. *Radiology* 227(1): 251-260, 2003.
26. Lin E, **Morris JS**, and Ayers GD: Effect of Celecoxib on capecitabine-induced hand-foot syndrome and antitumor activity. *Oncology* 16 (12 supplement No 14): 31-37, 2003.
27. Chan AOO, Issa-J-PJ, **Morris JS**, Hamilton SR and Rashid A: Concordant CpG Island Methylation in Hyperplastic Polyposis. *The American Journal of Pathology* 160: 529-536, 2002.
28. Shureiqi I, Xu X, Chen D, Lotan R, **Morris JS**, Fischer SM and Lippman SM: Nonsteroidal Anti-inflammatory Drugs Induce Apoptosis in Esophageal Cancer Cells by Restoring 15-Lipoxygenase-1 Expression. *Cancer Research* 61: 4879-4884, 2001.
29. Arrington JL, Chapkin RS, Switzer KC, **Morris JS** and McMurray DN: Dietary n-3 Polyunsaturated Fatty Acids Modulate Purified Murine T-cell Subset Activation. *Clinical and Experimental Immunology 125*: 499-507, 2001.
30. Hong MY, Chapkin RS, **Morris JS**, Wang N, Carroll RJ, Turner ND, Chang WCL, Davidson FA and Lupton JR: Anatomical Site-Specific Response to DNA Damage is Related to Later Tumor Development in the Rat AOM Colon Carcinogenesis Model. *Carcinogenesis 22*:1831-1835, 2001.
31. Shureiqi I, Cook CD, **Morris JS**, Soliman AS, Levin B, and Lippman SM: Effect of Age on Risk of Second Primary Colorectal Cancer. *Journal of the National Cancer Institute 93*: 1264-1265, 2001.
32. Rashid A, Lanlan S, **Morris JS**, Issa J-PJ, Hamilton SR: CpG island methylation in colorectal adenomas. *The American Journal of Pathology* 159:1129-1135, 2001.

33. Davidson LA, Brown RE, Chang W-CL, Lupton JR, **Morris JS**, Wang N, Carroll, RJ, Turner, ND and Chapkin, RS: Morphodensitometric Analysis of Protein Kinase C β_{II} Expression in the Rat Colon: Modulation by Diet and Relation to *in situ* Cell Proliferation and Apoptosis. *Carcinogenesis 21*: 1513-1519, 2000.
34. Hong MY, Lupton JR, **Morris JS**, Wang N, Carroll RJ, Davidson LA, Elder R and Chapkin RS: Dietary Fish Oil Reduces 0^6-methylguanine DNA Adduct Levels in the Rat Colon In Part By Increasing Apoptosis During Tumor Initiation. *Cancer Epidemiology, Biomarkers and Prevention 9*: 819-826, 2000.
35. Hong MY, Chapkin RS, Wild CP, **Morris JS**, Wang N, Carroll RJ, Turner ND and Lupton JR: Relationship Between DNA Adduct Levels, Repair Enzyme and Apoptosis as a Function of DNA Alkylation by Azoxymethane. *Cell Growth and Differentiation 10*: 749-758, 1999.

Abstracts:

1. Lin E, **Morris, J**, Crane, C, Chau, NK, Wolf, R, Delcos, M, Xiong, X, Janjan, N and Abbruzzese JL: Celecoxib attenuated capecitabine induced hand-and-foot syndrome (HFS) and diarrhea and improved time to tumor progression in metastatic colorectal cancer (mCRC). ASCO 2002.
2. Abu-Hamda E, Kaw M, Gagneja H, Wolff RA, Cohen D, **Morris J**, Pisters P, Lee J, Vauthey J-N and Evans D: Endoscopic ultrasound (EUS) in the staging of pancreatic adeno-carcinoma and detection of small tumors. *GI Endoscopy*, April 2002; 55(5); AB240.
3. Patel MB, Kaw M, Gagneja H, Cohen D, **Morris J**, Singh S, Ho L, Ajani J. Endoscopic ultrasonography for restaging of gastric adenocarcinoma. *GI Endoscopy*, April 2002; 55(5); AB251.
4. Kulkarni A, Gagneja H, Kaw M, Roquemore J and **Morris J** : Does concurrent EGD and colonoscopy subject patients to a higher risk of prcedure related adverse events? (abstract #740). *American Journal of Gastroenterology* September 2002 Supplement; pg S242.
5. Lin E, **Morris J**, Crane C, Chau NK, Wolf R, Delcos M, Xiong X, Janjan N and Abbruzzese JL: Reduction of hand and foot syndrome symptoms in patients with metatistic colorectal cancer with concurrent use of celecoxib (abstract #2364). *Proceedings of the American Society of Clinical Oncology* 21:138b, 2003.

Presentations at National or International Conferences:
Invited:

1. Invited speaker, *Analysis of DNA Damage and Repair in Colonic Crypts*, ENAR meetings of the International Biometrics Society, Arlington, VA, March 2002.
2. Selected speaker, *Bayesian Wavelet-Based Nonparametric Modeling of Hierarchical Functions*, 7th Valencia International Meeting on Bayesian Statistics, Canary Islands, Spain, June 2002.
3. Invited Speaker. *Bayesian Shrinkage Estimation of the Relative Abundance of mRNA Transcripts using SAGE*. ENAR Meetings of the International Biometrics Society, Tampa, FL, March 2003.
4. Invited Speaker. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*. WNAR Meetings of the International Biometrics Society, Golden, CO, June 2003.
5. Invited Session, JASA Applications and Case Studies (with discussion and rejoinder). *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*. Joint Statistical Meetings, San Francisco, CA, August 2003.

6. Invited Speaker, *Identification of Prognostic Genes, Combining Information Across Different Institutions and Oligonucleotide Arrays*. CAMDA 2003, Durham, NC, November 2003.
7. Invited Speaker, *Pooling Information Across Different Studies and Affymetrix Chip Types to Identify Prognostic Genes for Lung Cancer.* ENAR Meetings of the International Biometrics Society, Pittsburgh, PA, March 2004.
8. Invited Speaker. *Bayesian Wavelet-Based Functional Mixed Models*. International Society for Bayesian Analysis (ISBA) 2004 World Meetings, Viña del Mar, Chile, May 2004.
9. Invited Speaker. *Wavelet-Based Functional Mixed Models*. XXIInd International Biometrics Conference; IBC 2004, Cairns, Queensland, Australia, July 2004.
10. Invited Speaker. *Wavelet-Based Preprocessing Methods for Mass Spectrometry Data.* Ninth Annual Conference on Advancing Practice, Instruction, and Innovation through Informatics; APIII 2004, Pittsburgh, PA, October 2004.
11. Invited Speaker. *Bayesian Modeling and Inference for Mass Spectrometry Data using Functional Mixed Models*. ENAR Meetings of the International Biometrics Society, Austin, TX, March 2005.
12. Invited Speaker. *Pooling Data Across Microarray Experiments Using Different Versions of Affymetrix Oligonucleotide Arrays.* EMR Meetings of the International Biometrics Society, Kerkyra, Greece, May 2005.
13. Invited Speaker. *Wavelet-Based Functional Mixed Models.* ICSA Applied Statistics Symposium, Washington, DC, June 2005.
14. Invited Speaker. *Wavelet-Based Functional Mixed Models.* WNAR Meetings of the International Biometrics Society, Fairbanks, AK, June 2005.
15. Invited Speaker. *Wavelet-Based Functional Mixed Models.* Joint Statistical Meetings, Minneapolis, MN, August 2005.
16. Invited Speaker, *Wavelet-Based Functional Mixed Models.* ENAR Meetings of the International Biometrics Society, Tampa, FL, March 2006.
17. Invited Speaker, *Wavelet-Based Functional Mixed Models.* International Workshop on Applied Probability, Storrs, CT, May 2006.
18. Invited Speaker, *Dealing with Missing Data in Functional Mixed Models*, ICSA Applied Statistics Symposium, Storrs, CT, June 2006.
19. Plenary Bioinformatics Lecture, *Contribution of Statistics to Clinical Proteomics Research,* Clinical Proteomics in Oncology Conference, Dijon, France, July 2006.
20. Invited Speaker, *Bayesian Mixed Models for Functional Data (Noether Award Invited Session),* Joint Statistical Meetings, Seattle, WA, August 2006.
21. Invited Speaker, *A Fast, Automatic, and Accurate Method for Detecting and Quantifying Protein Spots in 2-Dimensional Gel Electrophoresis Data*, International Indian Statistical Association Meetings, Cochin, India, January 2007.
22. Invited Speaker, *Spot Detection and Quantification for 2d Proteomic Data*, ENAR Meetings of the International Biometrics Society, Atlanta, GA, March 2007.
23. Invited Speaker, *Applications of Functional Mixed Models to Genomics and Proteomics,* Current and Future Trends in Nonparametrics, Columbia, SC, October 2007.
24. Invited Speaker, *Applications of Wavelet-Based Functional Mixed Models to Proteomics and Genomics Data*, Institute for Pure and Applied Mathematics Worshop: Search and Knowledge Building for Biological Datasets, Los Angeles, CA, November 2007.
25. Invited Speaker, *Biomarker Discovery for Genomics and Proteomics Data Using Functional Mixed Models*, ENAR Meetings of the International Biometrics Society, Washington, DC, March 2008.

26. Invited Speaker, *Biomarker Discovery for Proteomics and Genomics Data using Functional Mixed Models*, Statistical Theory and Methods for Complex, High Dimensional Data, Isaac Newton Institute for Mathematical Sciences, Bayesian Inference for High-Dimensional Data, Warwick, England, April 2008.
27. Invited Speaker, *Biomarker Discovery for Proteomics and Genomics Data using Functional Mixed Models*, WNAR Meetings of the International Biometrics Society, June 2008.
28. Invited Speaker, *Bayesian Methods for Proteomic Biomarker Discovery using Functional Mixed Models*, International Biometrics Conference, Dublin, Ireland, July 2008.
29. Invited Speaker, *Bayesian Inference for High Dimensional Functional and Image Data Using Functional Mixed Models*, International Society for Bayesian Analysis (ISBA) 2008 World Meetings, Hamilton Island, Australia, July 2008.

Contributed:

1. Speaker, Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon, ENAR meetings of the International Biometrics Society, Charlotte, NC, March, 2001.
2. Speaker, Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon, Joint Statistical Meetings, Atlanta, GA, August, 2001.
3. Speaker, Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis, ENAR meetings of the International Biometrics Society, Arlington, VA, March, 2002.
4. Speaker, *Bayesian Method for Estimation of the Relative Abundance in mRNA Transcripts using SAGE*, Joint Statistical Meetings, New York, NY, August, 2002.
5. Speaker, *Wavelet-Based Functional Mixed Models*, Joint Statistical Meetings, Toronto, ON, August 2004.
6. Speaker. *Wavelet-Based Functional Mixed Models for Mass Spectrometry Data*. XXIIIrd International Biometrics Conference; IBC 2006, Montreal, Quebec, Canada, July 2006.

Seminar Invitations from Other Institutions:

1. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, Mayo Clinic, Section of Biostatistics, Rochester, MN., January 2000.
2. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, University of Michigan, Department of Biostatistics, Ann Arbor, MI., February 2000.
3. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, University of Florida, Department of Biostatistics, Gainesville, FL., February 2000.
4. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, University of New Mexico, Department of Statistics, Albuquerque, NM., March 2000.
5. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, University of Chicago, Department of Health Studies, Chicago, IL., March 2000.
6. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, Duke University, Institute for Statistical Decision Sciences, Durham, NC., March 2000.

7. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, North Carolina State University, Department of Statistics, Raleigh, NC., March 2000.
8. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, University of Washington, Fred Hutchinson Cancer Research Center, Seattle, WA., April 2000.
9. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, Texas A&M University, Department of Statistics, College Station, TX., April 2000.
10. *Parametric and Nonparametric Methods for Understanding the Relationship of Carcinogen-Induced DNA Adduct Levels in Distal and Proximal Regions of the Colon*, Rice University, Department of Statistics, Houston, TX, April 2001.
11. *Bayesian Wavelet-Based Nonparametric Modeling of Hierarchical Functions*, University College of London, Department of Statistical Science London, UK., July 2001.
12. *Bayesian Wavelet-Based Nonparametric Modeling of Hierarchical Functions*, University of Kent at Canterbury, Institute of Mathematics and Statistics, Canterbury, UK., July 2001.
13. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*, Southern Methodist University, Department of Statistical Science, Dallas, TX., October 2001.
14. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*, Mississippi State University, Department of Mathematics and Statistics, Starkville, MS., October 2001.
15. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*, Texas A&M University, Department of Statistics, College Station, TX., October 2001
16. *Statistical Issues in Serial Analysis of Gene Expression Data (SAGE)*, St. Cloud State University, Department of Statistics, St. Cloud, MN, April 2002.
17. *Introduction to Bayesian Data Analysis and Markov Chain Monte Carlo*, University of North Carolina, Department of Quantitative Psychology, Chapel Hill, NC, September 2002.
18. *Bayesian Methods for Estimation of the Relative Abundance of mRNA Transcripts using SAGE*, Texas A&M University, Department of Statistics, College Station, TX, October 2002.
19. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*, Yale University, School of Epidemiology and Public Health, New Haven, CT, November 2002.
20. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis*. Harvard University, School of Public Health, Cambridge, MA, November 2002.
21. *Analyzing Mass Spectrometry Proteomic Data from Serum Samples*, Texas A&M University Nutrition Group, College Station, TX, September 2003.
22. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis.* University of Texas, School of Public Health, Houston, TX, October 2003.
23. *Identifying Prognostic Genes for Lung Adenocarcinoma, Combining Information across Different Oligonucleotide Microarrays.* University of Texas MD Anderson Cancer Center Section of Bioinformatics, October 2003.
24. *Identifying Prognostic Genes for Lung Adenocarcinoma, Combining Information across Different Oligonucleotide Microarrays.* University of Texas MD Anderson Cancer Center Department of Biostatistics, November 2003.
25. *Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis.* Rice University, Department of Statistics, Houston, TX, February 2004.
26. *Wavelet-Based Functional Mixed Models.* Texas A&M University, Department of Statistics, College Station, TX, April 2004.

27. *Wavelet-Based Functional Mixed Models.* Houston Area Meetings of the American Statistical Association, Rice University, Houston, TX, May 2004.
28. *Wavelet-Based Functional Mixed Models.* Los Alamos National Laboratories, Los Alamos, NM, October 2004.
29. *Wavelet-Based Functional Mixed Models.* Yale University, Department of Statistics, New Haven, CT, November 2004.
30. *Wavelet-Based Functional Mixed Models*. University of Pennsylvania, Center for Clinical Epidemiology and Biostatistics, Philadelphia, PA, November 2004.
31. *Analyzing Accelerometer Data using Wavelet-Based Functional Mixed Models.* Harvard University School of Public Health, Department of Biostatistics, Boston, MA, December 2004.
32. *Functional Data Analysis for Accelerometer Data.* Harvard University School of Public Health, Department of Health and Social Behavior, Boston, MA, December 2004.
33. *Using Wavelet-Based Functional Mixed Models to Characterize Population Heterogeneity in Accelerometer Profiles: A Case Study*. Johns Hopkins University, Department of Biostatistics Grand Rounds, Baltimore, MD, February 2005.
34. *Wavelet-Based Functional Mixed Models.* University of Texas MD Anderson Cancer Center, Houston, TX, February 2005.
35. *Wavelet-Based Preprocessing Methods for Mass Spectrometry Data.* University of Texas, Dallas, Dallas, TX, April 2005.
36. *Wavelet-Based Functional Mixed Models.* University of Washington, Department of Statistics, Seattle, WA, April 2006.
37. *Wavelet-Based Functional Mixed Models.* University of Minnesota, Department of Biostatistics, Minneapolis, MN, May 2006.
38. *Bayesian Wavelet-Based Mixed Models for Functional Data.* Department of Statistics, McGill University, Montreal, QC, January 2007.
39. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Biostatistics, Columbia University, New York, NY, February 2007.
40. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Biostatistics, Brown University, Providence, RI, February 2007.
41. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Biostatistics Research Branch, National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, MD, March, 2007.
42. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Biostatistics, University of North Carolina, Chapel Hill, NC, March 2007.
43. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Statistics, North Carolina State University, Raleigh, NC, March 2007.
44. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Mathematics, Georgetown University, Washington, DC, September 2007.
45. *Bayesian Wavelet-Based Mixed Models for Functional Data*. Department of Biostatistics, University of Michigan, Ann Arbor, MI, September 2007.
46. *Career Opportunities in Statistics and Biostatistics*. Department of Mathematics, St. Mary's University, San Antonio, TX, November 2007.
47. *Career Opportunities in Statistics and Biostatistics*. Department of Chemistry, Prairie View A&M University, Prairie View, TX, February 2008.
48. Biomarker Discovery for Proteomics and Genomics Data using Functional Mixed Models. Fred Hutchinson Cancer Research Center, May 2008.

PROFESSIONAL SERVICE

Journal Reviewer:

Journal of the American Statistical Association, Journal of the Royal Statistical Society (Series B), Biometrics, Annals of Applied Statistics, Statistics in Medicine, Bioinformatics, Proteomics, Journal of Agricultural, Biological, and Environmental Statistics, Journal of Computational and Graphical Statistics, Journal of the National Cancer Institute, Cancer Informatics, Communications in Statistics, Journal of VLSI Signal Processing, Clinical Cancer Research, Nucleic Acids Research, Molecular and Cellular Proteomics, Physiological Genomics, International Journal of Imaging Systems and Technology.

Conference Organizer:

1. Invited Session Organizer, East North American Region, International Biometric Society, 2002
2. Invited Session Organizer, West North American Region, International Biometric Society, 2003
3. Session Organizer, Conference of Texas Statisticians, 2003.
4. Invited Session Organizer, East North American Region, International Biometric Society, 2005.
5. Invited Session Organizer, West North American Region, International Biometric Society, 2005.
6. Topic Contributed Session Organizer, International Biometrics Society, 2006.
7. Program Chair, Biometrics Section of the American Statistical Association, ENAR meetings of the International Biometrics Society, 2006.
8. Invited Session Organizer, East North American Region, International Biometrical Society, 2006.
9. Invited Session Organizer, Joint Statistical Meetings, 2006.
10. Program Committee Member, ENAR Meetings of the International Biometrics Society, 2007.
11. Invited Session Organizer, ENAR Meetings of the International Biometric Society, 2007.

Other Professional Service:

Associate Editor, *Biometrics*, 2006-2008.
Associate Editor, *Journal of the Royal Statistical Society, Series B*, 2006-2010
Associate Editor, *Annals of Applied Statistics (IMS)*, 2006-2010
Member of Regional Advisory Board for International Biometrics Society, East-North American Region, 2004-2006.
Student Paper Reviewer, International Biometrics Society, West-North American Region, 2004.
Student Paper Reviewer, International Biometrics Society, East-North American Region, 2005-2007.

Institutional Service:

Study Section Member, Internal Research Grants, MD Anderson Cancer Center, 2005-2008.
Member, Faculty Compensation Committee, MD Anderson Cancer Center, 2006-2008.
Chair, Faculty Compensation Committee, MD Anderson Cancer Center, 2007-2008.
Faculty Senate, MD Anderson Cancer Center, 2006-2008.

PROFESSIONAL MEMBERSHIPS

Member, American Statistical Association (since 1997)
Member, International Biometrics Society, East-North American Region (since 1999)
Member, Institute of Mathematical Statistics (since 2001)
Member, International Society of Bayesian Analysis (since 2002)
Member, International Chinese Statistical Association (since 2005)
Member, American Association for the Advancement of Science (since 2005)

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