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CURRICULUM VITAE

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DATE OF BIRTH December 6, 1970

EDUCATION

Ph.D., Statistics, Texas A&M University, August 2000.
Advisors: Raymond J. Carroll and Naisyin Wang
M.S., Statistics, Texas A&M University, December 1997.
B.S., Mathematics Education, Messiah College, May 1993.

PROFESSIONAL EXPERIENCE

September 2005-present: Associate Professor, Department of Biostatistics, The University of Texas MD Anderson Cancer Center.
August 2000-August 2005: Assistant Professor, Department of Biostatistics, The University of Texas MD Anderson Cancer Center.
May 2001-July 2001: Visiting Fellow, The University of Kent at Canterbury.
June 1998-August 2000: Research Assistant, Texas A&M University.
January 1998-May 1998: Assistant Lecturer, Texas A&M University.
September 1995-December 1997: Teaching Assistant, Texas A&M University
May 1997-July 1997: Intern, Hoechst Marion Roussel, Kansas City, MO.
August 1993-August 1995: Teacher, Northside Christian School, St. Petersburg, FL
January 1993-July 1993: Programmer, IBM, Mechanicsburg, PA.

HONORS

American Statistical Association Noether Young Scholar Award, 2005
Thomson-ESI Hot Paper in the Field of Computer Science, July 2005
MD Anderson Cancer Center E.N. Cobb Faculty Scholar Award, 2004
Best Presentation, 4th Critical Assessment of Microarray Data Analysis, 2003

Mitchell Prize for Outstanding Bayesian Application Paper, 2003
JASA Applications and Case Studies Editor's Invited Paper, 2003
Best Abstract, 1st Annual Proteomics Data Mining Conference, 2002
Travel Award for Young Researchers, Biometrics Section of ASA, 2001
Texas A&M College of Science Dean's Graduate Fellowship, 1995
Texas A&M University Graduate Merit Fellowship, 1995

RESEARCH GRANTS AND CONTRACTS

Current:

National Cancer Institute (CA-107304), R01, *Adaptive Methods for Biomedical Functional Data*, 2004-present (**PI**). Funded through 2012.
National Cancer Institute (CA-016672), P30, *Cancer Center Support Grant*, 2000-present (**Statistician**, John Mendelsohn PI). Funded through 2013.
National Cancer Institute (CA-098380), R01, *Molecular Epidemiology of Pancreatic Cancer*, 2004-present (**Statistician**, Donghui Li PI). Funded through 2009.
National Cancer Institute (CA-106577), R01, *5-LOX-1 and Clinical Chemoprevention of Colon Tumors*, 2005-present (**Collaborator**, Imad Shureiqi PI). Funded through 2009.
National Institute for Alcohol Abuse (AA-016157), R01, *Brain Biomarkers of Alcoholism and Abstinence*, 2006-present (**co-PI**, Howard Gutstein PI). Funded through 2011.
National Cancer Institute (CA-139767), R13, *Conference on "Statistical Methods for Complex Biological Data"*, 2009 (**PI**).
National Cancer Institute, K23, *SrC Inhibition in Colorectal Cancer*, 2009-present (**Statistician**, Scott Kopetz PI).

Completed:

National Institute on Drug Abuse (DA-0154604), R01, *From Drug Use to Addiction: Unearthing the Switches*, 2002-2007 (**Collaborator**, Howard Gutstein PI).
National Institute for Alcohol Abuse (AA-1388602), R56, *Proteomic Approaches to Alcoholism*, 2005-2008 (**Collaborator**, Howard Gutstein PI).
National Cancer Institute (CN-005126), N01, *A Phase I/II Study of Celecoxib in Genotype-Positive, Phenotype-Negative Children with FAR*, 2000-2007 (**Statistician**, Patrick Lynch PI).
American Cancer Society (RSG-04-020-01-CNE), *15-Lipoxygenase-1 and Mechanisms of Colorectal Tumorigenesis*, 2004-2007 (**Statistician**, Imad Shureiqi PI).
National Cancer Institute (CA-104278), R01, *Molecular Targeting of 15-Lipoxygenase-1 Colon Cancer*, 2004-2008 (**Statistician**, Imad Shureiqi PI).

Submitted/Pending:

National Institute on Drug Abuse (DA-027498), R21/R33, *Secondary Analyses in Addiction using Novel Methods for Complex Functional Data* (**PI**), Requested period of support: 2009-2013.

- National Institute of Health Roadmap Transformative R01 Program (OD-006329), *Biomarkers of the Transition from Acute to Chronic Pain*, 2009-2014 (**PI**, MPI with Howard Gutstein, Jonathan Sweedler, and Mark Bedford), Requested period of support: 2009-2014.
- National Cancer Institute, R01, *Molecular Targeting of PPAR-delta in colon cancer*, (**Statistician**, Imad Shureiqi, PI), Requested period of support: 2009-2014.
- National Cancer Institute, R21, *Validating Human Midgut Carcinoid Tumor Stem Cells*, (**Statistician**, Lee Ellis, PI), Requested period of support: 2009-2013.
- National Cancer Institute, R01, *Development of Validation of Multi-Modal, Multi-Scale Optical Molecular Imaging for Early Detection of Neoplasia*, (**Statistician**, Sharmalia Ananda, PI), Requested period of support: 2009-2014.

PUBLICATIONS

Refereed Journal Articles:

- [1] Hong MY, Chapkin RS, Wild CP, **Morris JS**, Wang N, Carroll RJ, Turner ND and Lupton JR (1999). Relationship Between DNA Adduct Levels, Repair Enzyme and Apoptosis as a Function of DNA Alkylation by Azoxymethane. *Cell Growth and Differentiation* 10: 749-758.
- [2] Hong MY, Lupton JR, **Morris JS**, Wang N, Carroll RJ, Davidson LA, Elder R and Chapkin RS (2000). Dietary Fish Oil Reduces O⁶-methylguanine DNA Adduct Levels in the Rat Colon In Part By Increasing Apoptosis During Tumor Initiation. *Cancer Epidemiology, Biomarkers and Prevention* 9: 819-826.
- [3] Davidson LA, Brown RE, Chang W-CL, Lupton JR, **Morris JS**, Wang N, Carroll, RJ, Turner, ND and Chapkin, RS (2000). 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.
- [4] Rashid A, Lanlan S, **Morris JS**, Issa J-PJ, Hamilton SR (2001). CpG island methylation in colorectal adenomas. *The American Journal of Pathology* 159:1129-1135.
- [5] **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 (2001). *Journal of the American Statistical Association* 96: 816-826.
- [6] Shureiqi I, Cook CD, **Morris JS**, Soliman AS, Levin B, and Lippman SM (2001). Effect of Age on Risk of Second Primary Colorectal Cancer. *Journal of the National Cancer Institute* 93: 1264-1265.
- [7] Hong MY, Chapkin RS, **Morris JS**, Wang N, Carroll RJ, Turner ND, Chang WCL, Davidson FA and Lupton JR (2001). Anatomical Site-Specific Response to DNA Damage is Related to Later Tumor Development in the Rat AOM Colon Carcinogenesis Model. *Carcinogenesis* 22:1831-1835.
- [8] Arrington JL, Chapkin RS, Switzer KC, **Morris JS** and McMurray DN (2001). Dietary n-3 Polyunsaturated Fatty Acids Modulate Purified Murine T-cell Subset Activation. *Clinical and Experimental Immunology* 125: 499-507.

- [9] Shureiqi I, Xu X, Chen D, Lotan R, **Morris JS**, Fischer SM and Lippman SM (2001). Nonsteroidal Anti-inflammatory Drugs Induce Apoptosis in Esophageal Cancer Cells by Restoring 15-Lipoxygenase-1 Expression. *Cancer Research* 61: 4879-4884.
- [10] Chan AOO, Issa-J-PJ, **Morris JS**, Hamilton SR and Rashid A: Concordant CpG Island Methylation in Hyperplastic Polyposis (2002). *The American Journal of Pathology* 160: 529-536.
- [11] **Morris JS** (2002). The BLUPs Are Not “Best” When It Comes To Bootstrapping. *Statistics and Probability Letters* 56: 425-430.
- [12] **Morris JS**, Wang N, Lupton JR, Chapkin RS, Turner ND, Hong MY and Carroll RJ (2002). A Bayesian Analysis Involving Colonic Crypt Structure and Coordinated Response to Carcinogens Incorporating Missing Crypts, *Biostatistics* 3: 529-546.
- [13] Baggerly K, Deng L, **Morris JS**, Aldez CM (2003). Differential expression in SAGE: Accounting for normal between-library variation. *Bioinformatics* 19(12): 1477-1483.
- [14] Baggerly K, **Morris JS**, Wang J, Gold D, Xiao LC and Coombes K (2003). A comprehensive approach to the analysis of MALDI-TOF proteomics spectra from serum samples. *Proteomics* 3: 1667-1672 (Won Best Presentation at 2002 Duke University Proteomics Data Mining Competition).
- [15] **Morris JS**, Baggerly K, and Coombes K (2003). Bayesian Shrinkage Estimators of the Relative Abundance of mRNA Transcripts using SAGE. *Biometrics* 59: 476-486.
- [16] **Morris JS**, Vannucci M, Brown PJ and Carroll RJ (2003). Wavelet-Based Nonparametric Modeling of Hierarchical Functions in Colon Carcinogenesis [with discussion]. *Journal of the American Statistical Association*. 98: 573-583 (Editor’s Invited Paper and chosen to receive Mitchell Prize).
- [17] Coombes KR, Fritsche HA Jr., Clarke C, Cheng JN, Baggerly KA, **Morris JS**, Xiao LC, Hung MC, and Kuerer HM (2003). 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.
- [18] **Morris JS**, Wang N, Lupton JR, Chapkin RS, Turner ND, Hong MY, and Carroll RJ (2003). 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.
- [19] Lin E, **Morris JS**, and Ayers GD (2003). Effect of Celecoxib on capecitabine-induced hand-foot syndrome and antitumor activity. *Oncology* 16 (12 supplement No 14): 31-37.
- [20] Madoff DC, Hicks ME, Abdalla EK, **Morris JS** and Vauthey JN (2003). 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.
- [21] Shureiqi I, Jiang W, Zuo X, Wu Y, Stimmel JB, Leesnitzer LM, **Morris JS**, Fan HZ, Fischer SM, Lippman SM (2003). The 15-lipoxygenase-1 product 13-S-hydroxyocta-decadienoic acid down-regulates PPAR- δ to induce apoptosis in colorectal cancer cells. *Proceedings of the National Academy of Sciences* 100(17): 9968-9973.

- [22] Pawlik TM, Paulino AF, Mcginn CJ, Baker LH, Cohen DS, **Morris JS**, Rees R, and Sondak VK (2003). Cutaneous angiosarcoma of the scalp: A multidisciplinary approach. *Cancer* 98(8): 1716-1726.
- [23] Pawlik TM, Izzo F, Cohen DS, **Morris JS**, and Curley SA (2003). Combined resection and radiofrequency ablation for advanced hepatic malignancies: Results in 172 patients. *Journal of Surgical Oncology* 10(9): 1059-1069.
- [24] Baggerly, KA, **Morris JS**, and Coombes KR (2004). Reproducibility of SELDI Mass Spectrometry Patterns in Serum: Comparing Proteomic Data Sets from Different Experiments. *Bioinformatics*, 20(5): 777-785 (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>).
- [25] Baggerly KA, Edmonson S, **Morris JS**, and Coombes KR (2004). High-Resolution Serum Proteomic Patterns for Ovarian Cancer Detection. *Endocrine-Related Cancers*, 11(4): 583-584.
- [26] Baggerly KA, Deng L, **Morris JS**, and Aldez CM (2004). Overdispersed Logistic Regression for SAGE: Modeling Multiple Groups and Covariates. *BMC Bioinformatics*, 5:144.
- [27] 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 (2004). 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.
- [28] Ajani J, Walsch G, Komaki RR, **Morris JS**, Swisher SG, Lynch P, Wu TT, Vaporciyan A, Faust JC, Nivers RJ, and Roth J (2004). 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.
- [29] Ajani JA, Mansfield PF, Janjan N, **Morris JS**, Pisters PW, Lynch PM, Feig B, Myerson R, Nivers R, Cohen DS, and Gunderson LL (2004). A multi-institutional trial of preoperative chemoradiotherapy in patients with potentially resectable gastric carcinoma. *Journal of Clinical Oncology* 22(14), 2774-2780.
- [30] Baggerly KA, **Morris JS**, Edmonson S, and Coombes KR (2005). Signal in Noise: Evaluating Reported Reproducibility of Serum Proteomic Tests for Ovarian Cancer. *Journal of the National Cancer Institute*, 97: 307-309, (with commentary).
- [31] **Morris JS**, Coombes KR, Kooman J, Baggerly KA, and Kobayashi R (2005). Feature Extraction and Quantification for Mass Spectrometry Data in Biomedical Applications Using the Mean Spectrum. *Bioinformatics*, 21(9): 1764-1775.
- [32] Coombes KR, **Morris JS**, Hu J, Edmondson SR, and Baggerly KA (2005). Serum Proteomics Profiling: A Young Technology Begins to Mature. *Nature Biotechnology*, 23(3): 291-292.
- [33] Hu J, Coombes KR, **Morris JS**, and Baggerly KA (2005). The Importance of Experimental Design in Proteomic Mass Spectrometry Experiments: Some Cautionary Tales. *Briefings in Genomics and Proteomics*, 3(4), 322-331.
- [34] Coombes KR, Tsavachidis S, **Morris JS**, Baggerly KA, and Kuerer HM (2005). 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.
- [35] Baggerly KA, Coombes KR, and **Morris JS** (2005). Are the NCI/FDA Ovarian Proteomic Data Biased? A Reply to Producers and Consumers. *Cancer Informatics*, 1(1): 9-14.
- [36] Coombes KR, Koomen, JM, Baggerly KA, **Morris JS**, and Kobayashi R (2005). Understanding the characteristics of mass spectrometry data through the use of simulation. *Cancer Informatics*, 1(1): 41-52.
- [37] 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 (2005). 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.
- [38] 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 (2005). 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.
- [39] Chirieac LR, Swisher SG, Ajani JA, Komaki RR, Correa AM, **Morris JS**, Roth JA, Rashid A, Hamilton SR, and Wu TT (2005). Posttherapy pathological stage predicts survival in patients with esophageal carcinoma receiving preoperative chemoradiation. *Cancer*, 103(7), 1347-1355.
- [40] Beach R, Chan AOO, Wu TT, White JA, **Morris JS**, Lunagomez S, Broaddus RR, Issa JP, Hamilton SR, and Rashid A (2005). BRAF mutations in aberrant crypt foci and hyperplastic polyposis. *The American Journal of Pathology*, 166(4), 1069-1075.
- [41] Hong D, Lunagomez S, Kim EE, Lee JH, Bresalier RS, Swisher SG, Wu TT, **Morris JS**, Liao Z, Komaki R, and Ajani JA (2005). 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.
- [42] 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 (2005). Critical role of 15-Lipoxygenase-1 in colorectal epithelial cell terminal differentiation and tumorigenesis. *Cancer Research*, 65(24): 11486-92.
- [43] **Morris JS** and Carroll RJ (2006). Wavelet-Based Functional Mixed Models. *Journal of the Royal Statistical Society, Series B*, 68(2): 179-199.
- [44] **Morris JS**, Arroyo C, Coull B, Ryan LM, Herrick R, and Gortmaker SL (2006). 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.
- [45] Mayo MS, Gajewski BJ, and **Morris JS**: Some Statistical Issues in Microarray Gene Expression Data. *Radiation Research*, 165(6): 745-748.
- [46] Zuo X, Wu Y, **Morris JS**, Stimmel JB, Leesnitzer LM, Fischer SM, Lippman SM, Shureiqi I (2006). Oxidative metabolism of linoleic acid modulates PPAR-beta/delta suppression of PPAR-gamma activity. *Oncogene*. Feb 23;25(8):1225-41.

- [47] Rohatgi PR, Mansfield PF, Crane CH, Wu TT, Sunder PK, Ross WA, **Morris JS**, Pisters PW, Feig BW, Gunderson LL, and Ajani JA (2006). 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.
- [48] 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 (2006). 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.
- [49] 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 (2006). 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.
- [50] Karpievitch YV, Hill EG, **Morris JS**, Coombes KR, Baggerly KA and Almeida JS (2007). PrepMs. *Bioinformatics* 23(2): 264-265.
- [51] Song JJ, Lee HJ, **Morris JS**, and Kang S (2007). Clustering of time-course gene expression data using functional data analysis. *Computational Biology and Chemistry*, 31(4), 265-274.
- [52] Gutstein HB and **Morris JS** (2007). Laser capture sampling and analytical issues in proteomics. *Expert Reviews in Proteomics*, 4(5), 627-637.
- [53] Anandasabapathy S, Jhamb J, Davila M, Wei C, **Morris JS**, and Bresalier R (2007). Clinical and endoscopic factors predict higher pathologic grades of Barrett dysplasia. *Cancer*, 109(4): 558-574.
- [54] Craddock AL, Melly SJ, Allen JG, **Morris JS**, and Gortmaker SL (2007). Characteristics of school campuses and youth physical activity: Does size matter? *American Journal of Preventative Medicine*. 33(2): 106-113.
- [55] Patel PR, Mansfield PF, Crane CH, Wu TT, Lee JH, Lynch PM, **Morris JS**, Pisters PW, Feig B, Sunder PK, Izzo JG, Ajani JA (2007). Clinical stage after preoperative chemoradiation is a better predictor of patient outcome than the baseline stage for localized gastric cancer. *Cancer* 110(5): 989-995.
- [56] Thomas MB, Chadha R, Glover K, Wang X, **Morris JS**, Brown T, Rashid A, Dancey J, and Abbruzzese JL (2007). A phase II study of Erlotinib (OSI 774) in patients with unresectable hepatocellular carcinoma. *Cancer*, 110(5): 1059-1067.
- [57] Shureiqi I, Zuo X, Broaddus R, Wu Y, Guan B, **Morris JS**, and Lippman SM (2007). 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.
- [58] 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 (2007). 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.

- [59] **Morris JS**, Brown PJ, Herrick RC, Baggerly KA, and Coombes KR (2008). Bayesian Analysis of Mass Spectrometry Data using Wavelet Based Functional Mixed Models. *Biometrics*, 12, 479-489.
- [60] **Morris JS**, Clark BN and Gutstein HB (2008). Pinnacle: A Fast, Automatic Method for Detecting and Quantifying Protein Spots in 2-Dimensional Gel Electrophoresis Data. *Bioinformatics*, 24, 529-536.
- [61] Gutstein HB, **Morris JS**, Annangudi SP, and Sweedler JV (2008). Microproteomics: Analysis of protein diversity in small samples. *Mass Spectrometry Reviews*, 27, 316-330.
- [62] Zuo X, Shen L, Issa JP, Moy O, **Morris JS**, Lippman SM, Shureiqi I (2008). 15-Lipoxygenase-1 transcriptional silencing by DNA methyltransferase-1 independently of DNA methylation. *FASEB Journal*, 22(6): 1981-92.
- [63] Suehiro Y, Wong CW, Chireac LR, Kondo Y, Shen L, Webb CR, Chan YW, Chan AS, Chan TL, Wu TT, Rashid A, Hamanaka Y, Hinoda Y, Shannon RL, Wang X, **Morris JS**, Issa JP, Yuen ST, Leung SY and Hamilton SR (2008). Epigenetic-genetic interactions in the APC/WNT, RAS/RAF and P53 pathways colorectal carcinoma. *Clinical Cancer Research*, 14(9): 2560-2569.
- [64] Wu Y, Fang B, Yang XQ, Wang L, Chen D, Krasnykh V, Carter BZ, **Morris JS**, Shureiqi I (2008). Therapeutic molecular targeting of 15-Lipoxygenase-1 in colon cancer. *Molecular Therapy*, 16(5): 886-892.
- [65] Suzuki H, **Morris JS**, Li Y, Doll MA, Hein DW, Liu J, Jiao L, Hassan MM, Day RS, Bondy ML, Abbruzzese JL, Li D (2008). Interaction of the cytochrome P4501A2, SULT1A1 and NAT gene polymorphisms with smoking and dietary mutagen intake in modification of the risk of pancreatic cancer. *Carcinogenesis*. 29(6):1184-91.
- [66] Zuo X, **Morris JS**, and Shureiqi I (2009). Chromatin modification requirements for 15-lipoxygenase-1 transcriptional reactivation in colon cancer cells. *J Biol Chem*. 283(46): 31341-7.
- [67] Overman MJ, Kopetz S, Wen S, Hoff PM, Fogelman D, **Morris JS**, Abbruzzese JL, Ajani JA, and Wolff RA (2008). Chemotherapy with 5-fluorouracil and a platinum compound improves outcomes in metastatic small bowel adenocarcinoma. *Cancer* 2008 Oct 15; 113(8): 2038-45.
- [68] Li D, Suzuki H, Liu B, **Morris JS**, Liu J, Okazaki T, Li Y, Chang P, and Abbruzzese JL (2009). DNA repair gene polymorphisms and risk of pancreatic cancer. *Clinical Cancer Research* 15: 740-746.
- [69] Thomas MB, **Morris JS**, Chadha R, Iwasaki M, Kaur H, Lin E, Kaseb A, Glover K, Davila M, and Abbruzzese J (2009). Phase II trial of the combination of Bevacizumab and Erlotinib in patients who have advanced hepatocellular carcinoma. *Journal of Clinical Oncology* 2009 Jan 12 (Epub ahead of print).
- [70] Overman MJ, Varadhachary GR, Kopetz S, Adinin R, Lin E, **Morris JS**, Eng C, Abbruzzese JL, and Wolff RA (2009). Phase II study of Capecitabine and Oxaliplatin for advanced adenocarcinoma of the small bowel and ampulla of vater. *Journal of Clinical Oncology* 2009 Jan 21 (Epub ahead of print).

- [71] Kamat P, Wen S, **Morris JS**, and Anandasabapathy S (2009). Exploring the association between elevated body mass index and Barrett's esophagus: a systematic review and meta-analysis. *Annals of Thoracic Surgery*, 87(2): 655-662.
- [72] Zuo X, **Morris JS**, Broaddus R, and Shureiqi (2009). 15-LOX-1 transcription suppression through the NuRD complex in colon cancer cells. *Oncogene* 2009 Feb 9 (Epub ahead of print).

Book Chapters:

- [1] Hu, J, Yin G, **Morris JS**, Zhang L, and Wright FA (2005). 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.
- [2] **Morris JS**, Yin G, Baggerly KA, Wu C, and Zhang L (2005). 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).
- [3] Baggerly KA, Coombes KR, and **Morris JS** (2006). 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.
- [4] Guindani M, Do KA, Muller P, and **Morris JS** (2006). 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.
- [5] **Morris JS**, Baggerly KA, and Coombes KR (2006). 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.
- [6] **Morris JS**, Brown PJ, Baggerly KA, and Coombes KR (2006). 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.
- [7] Coombes, KR, Baggerly KA, and **Morris JS** (2007). 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.
- [8] **Morris JS**, Wu C, Coombes KR, Baggerly KA, Wang J, and Zhang L (2008). Alternative Probeset Definitions for Combining Microarray Data Across Studies Using Different Versions of Affymetrix Oligonucleotide Arrays. *Meta-Analysis in Genetics*, eds. Rudy Guerra and David Allison, Chapman-Hall.
- [9] **Morris JS**, Baggerly KA, Gutstein HB, and Coombes KR (2009). Statistical contributions to proteomic research. *The Urine Proteome*, Humana, to be published.

Discussions:

- [1] **Morris JS:** Comment on “Sure independence screening for ultra-high dimensional feature space,” by Jianqing Fan and Jinchi Lv, *Journal of the Royal Statistical Society Series B*, 70:5, 900-901.

Book Reviews:

- [1] **Morris JS** (2009). Review of “Wavelet Methods in Statistics with R” by GP Nason. *Biometrics*, to appear.

Other Publications:

- [1] Herrick RC, **Morris JS** (2006). Wavelet-based functional mixed model analysis: Computational Considerations. *Proceedings, Joint Statistical Meetings, ASA Section on Statistical Computing*, 2051-2053.
- [2] **Morris JS:** Statistical Issues in Proteomic Research. *Bulletin of the International Society for Bayesian Analysis*, 14(4), 9-13.

Submitted Papers:

- [1] **Morris JS**, Clark BN, and Gutstein HB: Comparison of Pinnacle and SameSpots for detection and quantification, and detection of differential expression of protein spots in 2-dimensional gel electrophoresis data.
- [2] Diao L, Coombes KR, Clarke CH, Baggerly KA, **Morris JS**, Hamilton SR, Roth J, Mao L, Czerniak B, and Bast, Jr. RC: Reproducibility of SELDI spectra across time and laboratories.
- [3] Malloy EJ, Coull BA, **Morris JS**, Dubowsky SD, and Suh HH: Bayesian Smoothing in Functional Linear Mixed Models Using Wavelet Shrinkage.
- [4] Dowsey AW, **Morris JS**, Gutstein HG, Yang GZ: Informatics and Statistics for Analyzing 2-D Gel Electrophoresis Images.
- [5] Hrafnkelsson B, **Morris JS**, Baladandayuthapani V: Spatial Modeling of Annual Minimum and Maximum Temperature in Iceland.

Selected Works in Preparation:

- [1] Baladandayuthapani V, Ji Y, Talluri R, Nieto-Barajas LE, and **Morris JS:** Bayesian Random Segmentation Models for Array CGH Data.
- [2] Baladandauthapani V and **Morris JS:** Bayesian Adaptive Spline-Based Functional Regression.
- [3] **Morris JS**, Baladandauthapani V, and Herrick RC: Bayesian Modeling and Inference for Complex Images using Functional Mixed Models.
- [4] Zhu H, Brown PJ, and **Morris JS:** Robust Wavelet-Based Functional Mixed Models.
- [5] Johansen J, Gutstein HG, and **Morris JS:** SimGel: A Tool for Conducting Simulation Studies for 2D Gel Electrophoresis Data.
- [6] **Morris JS** and Gutstein HG: Pinnacle: A Tool for Preprocessing 2D Gel Electrophoresis Data.
- [7] Malloy EJ, Coull BA, and **Morris JS:** Bayesian Method for Function-on-Function Regression using Wavelet-Based Functional Mixed Models.

POSTDOCTORAL RESEARCHERS

[1] Hongxiao Zhu, 2009-present

INVITED PRESENTATIONS

I have presented 78 invited lectures, including the following:

Mayo Clinic	2000
University of Michigan	2000
University of Florida	2000
University of New Mexico	2000
University of Chicago	2000
Duke University	2000
Fred Hutchinson Cancer Research Center	2000
North Carolina State University	2000
The University of Texas MD Anderson Cancer Center	2000
Rice University	2001
University College of London	2001
University of Kent, Canterbury UK	2001
Southern Methodist University	2001
Mississippi State University	2001
Texas A&M University	2001
Yale University	2002
Harvard University	2002
University of North Carolina	2002
Texas A&M University	2002
St. Cloud State University	2002
ENAR Spring Meeting	2002
7 th Valencia International Meeting on Bayesian Statistics	2002
ENAR Spring Meeting	2003
WNAR Summer Meeting	2003
Joint Statistical Meetings	2003
Critical Assessment of Microarray Data Analysis	2003
Texas A&M University	2003
University of Texas, School of Public Health	2003
ENAR Spring Meeting	2004
ISBA World Meetings	2004
International Biometrics Conference	2004
Advancing Practice, Instruction, and Innovation through Informatics	2004
Rice University	2004
Texas A&M University	2004
Los Alamos National Laboratories	2004
University of Pennsylvania	2004
Harvard University	2004
ENAR Spring Meeting	2005
EMR Meeting of the IBS	2005

ICSA Applied Statistics Symposium	2005
WNAR Summer Meeting	2005
Joint Statistical Meetings	2005
Johns Hopkins University	2005
University of Texas, Dallas	2005
ICSA Applied Statistics Symposium	2006
International Workshop on Applied Probability	2006
Clinical Proteomics in Oncology Conference	2006
Joint Statistical Meetings	2006
University of Washington	2006
University of Minnesota	2006
International Indian Statistical Association Meeting	2007
ENAR Spring Meeting	2007
Current and Future Trends in Nonparametrics	2007
Institute for Pure and Applied Mathematics Workshop	2007
McGill University	2007
Columbia University	2007
Brown University	2007
National Institute of Allergy and Infections Diseases	2007
University of North Carolina	2007
North Carolina State University	2007
Georgetown University	2007
University of Michigan	2007
St. Mary's University	2007
ENAR Spring Meeting	2008
Statistical Theory and Methods for Complex, High-Dimensional Data	2008
SRCOS Summer research Conference	2008
WNAR Summer Meeting	2008
International Biometrics Conference	2008
ISBA World Meetings	2008
Prairie View A&M University	2008
Imperial College London	2008
Fred Hutchinson Cancer Research Center	2008
Texas A&M University	2008
Rice University	2008
University of Rochester	2008
WNAR Summer Meeting	2009
Joint Statistical Meetings	2009
International Statistical Institute Meetings	2009

PROFESSIONAL SERVICE

Editorial Responsibilities

Associate Editor, *Biometrics* (2006-2011).

Associate Editor, *Journal of the Royal Statistical Society, Series B*, (2006-2010).

Associate Editor, *Annals of Applied Statistics (IMS)*, (2006-2010).

Journal Reviewer:

I have reviewed numerous journal articles, including articles in:

Journal of the American Statistical Association, Journal of the Royal Statistical Society (Series B), Biometrics, Annals of Statistics, Annals of Applied Statistics, Technometrics, Journal of Computational and Graphical Statistics, Journal of the Royal Statistical Society (Series C), Journal of Statistical Planning and Inference, Statistics in Medicine, Journal of Agricultural, Biological, and Environmental Statistics, Bioinformatics, Proteomics, Proteins, BMC Bioinformatics, Current Bioinformatics, IEEE/ACM Transactions on Computational Biology and Bioinformatics, Genomic Signal Processing, Journal of the National Cancer Institute, Cancer Informatics, Communications in Statistics, Journal of VLSI Signal Processing, Clinical Cancer Research, Neuropharmacology, Nucleic Acids Research, Molecular and Cellular Proteomics, Journal of Cellular and Molecular Medicine, Chemometrics and Intelligent Laboratory Systems, Journal of Microscopy, Physiological Genomics, Drug Information Journal, International Journal of Imaging Systems and Technology.

Conference Organizer:

- Invited Session Organizer, ENAR 2002
- Invited Session Organizer, WNAR 2003
- Session Organizer, Conference of Texas Statisticians, 2003.
- Invited Session Organizer, ENAR 2005.
- Invited Session Organizer, WNAR 2005.
- Topic Contributed Session Organizer, IBC 2006.
- Program Chair, Biometrics Section of the American Statistical Association, ENAR 2006.
- Invited Session Organizer, ENAR 2006.
- Invited Session Organizer, JSM 2006.
- Program Committee Member, ENAR 2007.
- Invited Session Organizer, ENAR 2007.
- Member, Organizing Committee, “Statistical Methods for Complex Data”, 2009.
- Invited Session Organizer, JSM 2009.
- Program Co-chair, ENAR 2010.

Other Professional Service:

- NIH Study Section Member, R13, 2009
- Member of Regional Advisory Board, ENAR, 2004-2006.
- Student Paper Reviewer, WNAR 2004.
- Student Paper Reviewer, ENAR 2005-2007.

Institutional Service:

- Study Section Member, Internal Research Grants, 2005-2008.
- Study Section Member, ACS Institutional Research Grants, 2008-2009.
- Member, Faculty Compensation Committee, MD Anderson Cancer Center, 2006-2009.
- Chair, Faculty Compensation Committee, MD Anderson Cancer Center, 2007-2009.
- Faculty Senate Member, MD Anderson Cancer Center, 2006-2009.