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Education

2003	Ph.D. in Statistics, University of Rochester
1998	M.A. in Statistics, University of Rochester
1996	B.S., The State University of New York, College at Brockport Majors: Mathematics, Business Administration Minor: Computer Science

Professional Experience

Sept. 2003 – Present	Assistant Professor, University at Buffalo, Department of Biostatistics. Duties include methodological research in statistics, collaborative biostatistical research, grant and manuscript writing, teaching of undergraduate and graduate level statistics/biostatistics courses, and supervision of graduate students.
August 2005 – Present	Assistant Chair, Roswell Park Cancer Institute, Department of Biostatistics. Duties include administration of biostatistical support for cancer clinical trials and epidemiological studies.
April 2008 – Present	Assistant Director of the Biostatistics Resource, Roswell Park Cancer Institute.
May 2007 – Present	Assistant Professor of Oncology, Roswell Park Cancer Institute, Department of Biostatistics.
Oct. 2006 – Present	Adjunct Assistant Professor, University at Buffalo, School of Nursing.
March 2005 – Aug. 2005 Aug. 2002 – Sept. 2004	Director of the Statistical Consulting Laboratory, University at Buffalo. Duties included statistical consultation on the design and analysis of scientific experiments from across a variety of disciplines.
July 2004 – Feb. 2005	Associate Biostatistics Consultant, Roswell Park Cancer Institute, Department of Biostatistics.
June 2003 – Sept. 2003	Research Assistant Professor, University at Buffalo, Department of Biostatistics.
Aug. 2002 – June 2003	Research Assistant Professor, University at Buffalo, Department of Social and Preventive Medicine, Division of Biostatistics.

- May 1997 – Aug. 2002 Research trainee, University of Rochester, Department of Biostatistics. Supported by NIH Environmental Health Science Training Grant. Statistical consultant on long-term and short-term projects.
- Sept. 1996 – May 1999 Teaching assistant, University of Rochester. Courses for undergraduates, graduate biomedical students and research fellows. Material included concepts of elementary statistical theory, use and understanding of statistical software and analysis of clinical trials.

Research Interests

Resampling techniques, goodness-of-fit tests, distributional characterizations, permutation tests, copulas, tests of independence, clinical trial design, biostatistics.

Computer Skills

Operating Systems: Microsoft Windows, UNIX.

Software and Languages: SAS, S-plus, R, StatXact, SPSS, MINITAB, JMP, Stata, PASS, nQuery Systat, SigmaPlot, Mathematica, C++, LaTeX, Microsoft Office (Word, Excel, Access, Powerpoint).

Awards

School of Public Health and Health Professions Outstanding Teacher of the Year, 2006

American Speech-Language-Hearing Association Editors' Award, 2005

Who's Who in Health Sciences Education, 2003

University of Rochester Medical Center Teaching Assistant Award, 1998

Environmental Health Sciences Training Grant, 1997-2002

Sigma Beta Delta National Honor Society in Business, Management, and Administration, 1996

Alpha Chi National College Honor Scholarship Society, 1996

Teaching Experience

Sole Instructor (All UB courses)

STA 111 – Introduction to Probability (3.0 credits; Fall 2002, Spring 2003)

STA 111 (revised) – Introduction to Probability and Statistics (3.0 credits; Fall 2003)

STA 527 – Introduction to Medical Statistics (4.0 credits; Spring and Fall semesters 2004-2005)

STA 503 – Regression Analysis (3.0 credits; Fall semesters 2005-2007)

STA 504 – Statistical Comparisons and Associations (3.0 credits; Spring semesters 2005-2008)

STA 506 – Introduction to Statistical Computing (3.0 credits; Spring semesters 2006-2007)

STA 526 – Design and Analysis of Clinical Trials (3.0 credits; Fall 2008)

Guest Lecturer

UE 251 – Honors Seminar: Undergraduate Research Academy Seminar, “The Hows and Whys of Clinical Research” (1 lecture on biostatistical concepts; Fall 2006)

UE 142 – Research Seminar: Undergraduate Research Academy Seminar, “Research Exploration” (1 lecture on drug development and the role of biostatistics; Fall 2007)

UE 141 – Research Seminar: Undergraduate Research Academy Seminar, “Introduction to the Center of Excellence” (1 lecture on cancer clinical trials; Spring 2008)

Roswell Park Cancer Institute Surgical Oncology Fellow Trainee Lecture Series (3 lectures on biostatistical concepts; Summer 2006)

Roswell Park Cancer Institute Surgical Oncology Fellow Trainee Lecture Series (3 lectures on clinical trials; Spring 2008).

Oral Presentations

Robustness properties of the Pitman-Morgan test and a robust alternative. Joint Statistical Meeting, Indianapolis, Indiana, August 2000.

On two consistent tests of independence with applications to gamma goodness-of-fit. Eastern North American Region/International Biometric Society, Arlington, Virginia, March 2002.

On two consistent tests of bivariate independence and some applications. Buffalo-Niagara Chapter of the American Statistical Association invited talk, September 2003.

Publications/Papers

Books

Hutson, A.D., **Wilding, G.E.**, and Cai, X. (2007). *Bootstrap and Permutation Methods Using the SAS System*. Technical Report 07-01, Department of Biostatistics, University at Buffalo.

Theory and Methodological Research

[1] Marchetti, C.E., Mudholkar, G.S. and **Wilding, G.E.** (2002). Testing goodness-of-fit of the gamma models. *Recent Advances in Statistical Methods*, edited by Y.P. Chaubey, World Scientific Publishing Company, Inc., London.

[2] Mudholkar, G.S. and **Wilding, G.E.** (2003). On the conventional wisdom regarding two consistent tests of bivariate independence. *Journal of the Royal Statistical Society, Series D*, **52**, 41-57.

- [3] Mudholkar, G.S., **Wilding, G.E.** and Mietlowski, W.L. (2003). Robustness properties of the Pitman-Morgan test. *Communication in Statistics – Theory & Methods*, **32**, 1801-1816.
- [4] Mudholkar, G.S. and **Wilding, G.E.** (2005). Two Wilson-Hilferty type approximations for the null distribution of the Blum, Kiefer and Rosenblatt test of bivariate independence. *Journal of Statistical Planning and Inference*, **128**, 31-41.
- [5] Tian, L. and **Wilding, G.E.** (2005). Confidence intervals of the ratio of means of two independent inverse Gaussian distributions. *Journal of Statistical Planning and Inference*, **133**, 381-386.
- [6] **Wilding, G.E.**, Mudholkar, G.S. and Kollia, G.D. (2007). Two sets of isotones for comparing tests of exponentiality. *Journal of Statistical Planning and Inference*, **137**, 3815-3825. **Invited paper for special issue in honor of S.N. Roy.**
- [7] **Wilding, G.E.** and Mudholkar, G.S. (2008). Empirical approximations for Hoeffding's test of bivariate independence using two Weibull extensions. *Statistical Methodology*, **5**, 160-170.
- [8] **Wilding, G.E.** and Mudholkar, G.S. (2008). Appropriateness of gamma models using characteristic independence of the mean and the coefficient of variation. *Journal of Statistical Planning and Inference*, **138**, 3813-3821.
- [9] **Wilding, G.E.** and Mudholkar, G.S. (2008). Some modifications of the Z-tests of normality and their isotones. *Statistical Methodology*, **5**, 397-409.
- [10] Tian, L. and **Wilding, G.E.** (2008). Confidence interval estimation of a common correlation coefficient. *Computational Statistics and Data Analysis*, **52**, 4872-4877.
- [11] **Wilding, G.E.**, Cai, X., Li, Y. and Hutson, A.D. A generalized linear model based approach for estimating and testing about conditional correlations. (submitted).
- [12] Vexler, A., Deng, W. and **Wilding, G.E.** Nonparametric Bayes factors based on empirical likelihood ratios. (submitted).
- [13] Hutson, A.D., **Wilding, G.E.** and Deng, W. A doubly iterated permutation approach for combining test statistics. (in preparation).
- [14] **Wilding, G.E.**, Mudholkar, G.S. and Chen, S. Some new tests of sphericity and compound symmetry when dimensionality exceeds sample size. (in preparation).
- [15] **Wilding, G.E.**, Hutson, A.D., Deng, W. and Roycroft, L. Empirical examination of commonly used procedures in the planning and analysis of two group comparisons. (in preparation).

Collaborative

- [1] Davidson, P.W., Palumbo, D., Meyers, G.J., Cox, C., Shamlaye, C.F., Sloane-Reeves, J., Cernichiari, E., **Wilding, G.E.** and Clarkson, T.W. (2000). Neurodevelopment outcomes of Seychellois children from the pilot cohort at 108 months following prenatal exposure to methylmercury from a maternal fish diet. *Environment Research, Section A*, **84**, 1-11.

- [2] Wyman, A., Lavin, A.L., **Wilding, G.E.** and Gasiewicz, T.A. (2002). 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) does not directly alter the phenotype of maturing B cells in a murine co-culture system. *Toxicology and Applied Pharmacology*, **180**, 164-177.
- [3] DiGiovanni, B.F., Nawoczenski, D.A., Lintal, M.E., Moore, E.A., Murray, J.C., **Wilding, G.E.** and Baumhauer, J.F. (2003). Tissue specific planter fascia stretch exercise enhances outcomes in subjects with chronic, disabling heel pain: a prospective randomized study. *Journal of Bone and Joint Surgery*, **85**, 1270-1277.
- [4] Howington, J.U., Kutz, S.C., **Wilding, G.E.** and Awasthi, D. (2003). Cocaine use as a predictor of outcome in aneurismal subarachnoid hemorrhage. *Journal of Neurosurgery*, **99**, 271-275.
- [5] Huang, L., Cox, C., **Wilding, G.E.**, Meyers, G.J., Davidson, P.W., Shamlaye, C.F., Cernichiari, E., Sloane-Reeves, J. and Clarkson, T.W. (2003). Using measurement error models to assess effects of prenatal and postnatal methylmercury exposure in the Seychelles Child Development Study at age 66-months. *Environmental Research, Section A*, **93**, 115-122.
- [6] Meyers, G.J., Davidson, P.W., Cox, C., Shamlaye, C.F., Palumbo, D., Cernichiari, E., Sloane-Reeves, J., **Wilding, G.E.**, Kost, J., Huang, L. and Clarkson, T.W. (2003). Prenatal methylmercury exposures from ocean fish consumption: 9-year evaluations in the Seychelles Child Development Study. *Lancet*, **361**, 1686-1692.
- [7] Russo, T.A., McFadden, C.D., Carlino-MacDonald, U.B., Beanan, J.M., Olson, R. and **Wilding G.E.** (2003). The siderophore receptor Iron of extraintestinal pathogenic Escherichia coli is a potential vaccine candidate. *Infection and Immunity*, **71**, 7164-7169.
- [8] Cook, R.M., Carvalho-Queiroz, C., **Wilding, G.E.** and LoVerde, P.T. (2004). Nucleic acid vaccination with Schistosoma mansoni antioxidant enzyme cytosolic superoxide dismutase and a structural protein sm-filamin confer protection against the adult worm stage. *Infection and Immunity*, **72**, 6112-6124.
- [9] Davidson, P.W., Meyers, G.J., Shamlaye, C.F., Cox, C. and **Wilding, G.E.** (2004). Prenatal exposure to methylmercury and child development : influence of social factors. *Neurotoxicology and Teratology*, **26**, 553-559.
- [10] Nolan, K.W., Mannato, L. and **Wilding, G.E.** (2004). Integrated models of pediatric physical and occupational therapy: regional practice and related outcomes. *Pediatric Physical Therapy*, **16**, 121-128.
- [11] Stier, W.F., Schneider, R.C., Kampf, S., **Wilding, G.E.** and Haines, S. (2004). Identification of problems in campus recreation programs in North America. *Recreational Sports Journal*, **28**, 31-43.
- [12] Tjaden, K. and **Wilding, G.E.** (2004). Rate and loudness manipulations in dysarthria: acoustic and perceptual findings. *The Journal of Speech, Learning, and Hearing Research*, **47**, 766-783.
- [13] Young, E.C., Davidson, P.W., **Wilding, G.E.**, Meyers, G.J., Shamlaye, C.F., Cox, C., de Boreck, J., Bennett, C.M., Sloane-Reeves, J. and Clarkson, T.W. (2004). Association between prenatal dietary methylmercury exposure and developmental outcomes on acquisition of articulatory-phonologic in children in the republic of Seychelles. *Seychelles Medical and Dental Journal*, **7**, 127-131.

- [14] Mayrose, J, Jehle, D., Hayes, M., Tinnesz, D., Piazza, G. and **Wilding, G.E.** (2005). Influence of the unbelted driver-side rear-seat passenger on driver mortality: “the back seat bullet”. *Academic Emergency Medicine*, **12**, 130-134.
- [15] Nallapareddy, S., **Wilding, G.E.**, Yang, G., Iyer, R. and Javle, M. (2005). Chemoradiation is a tolerable therapy for older adults with esophageal cancer. *Anticancer Research*, **25**, 3055-3060.
- [16] Nolan, K.W., Young, E.C., Baltus-Hebert, L. and **Wilding, G.E.** (2005). Service coordination for children with complex health care needs in an early intervention program. *Infants and Young Children*, **18**, 161-170.
- [17] Platek, M., Krogh, V., Micheli, A., Browne, R., Meneghini, E., Sieri, S., Schünemann, H.J., Pala, V., **Wilding, G.E.**, Berrino, F., and Muti, P. (2005). Serum fructosamine and subsequent breast cancer risk: the ORDET prospective study. *Cancer Epidemiology, Biomarkers, and Prevention*, **14**, 271-274.
- [18] Schneider, R.C., Stier, W.F., Kampf, S., **Wilding, G.E.** and Haines, S. (2005). Reporting structure and job satisfaction of collegiate campus recreation directors. *Recreational Sports Journal*, **29**, 33-41.
- [19] Stier, W.F., Schneider, R.C., Kampf, S., **Wilding, G.E.** and Haines, S. (2005). A survey of campus recreation directors at NIRSA institutions – activities emphasized, students participation patterns, trends and future offerings contemplated. *Recreational Sports Journal*, **29**, 42-58.
- [20] Stier, W.F., Schneider, R.C., Kampf, S., **Wilding, G.E.** and Haines, S. (2005). The financial and facility status of campus recreation programs at NIRSA colleges and universities. *Recreational Sports Journal*, **29**, 127-142.
- [21] Tjaden, K., Rivera, D., **Wilding, G.E.** and Turner, G.S. (2005). Characteristics of the Lax vowel space in Dysarthria. *The Journal of Speech, Language, and Hearing Research*, **48**, 554-566.
- [22] Tjaden, K. and **Wilding, G.E.** (2005). Effect of rate reduction and increased loudness on acoustic measures of anticipatory coarticulation in multiple sclerosis and parkinson disease. *The Journal of Speech, Language, and Hearing Research*, **48**, 261-277. **Winner of the Editor's Award for the Speech Section of JSLHR, 2005.**
- [23] Arora, P., Mustafa, R., Karam, J., Khalil, P., **Wilding, G.E.**, Ranjan, R. and Lohr, J.W. (2006). Care of elderly patients with chronic kidney disease. *International Urology and Nephrology*, **38**, 363-370.
- [24] Baumhauer, J.F., Nawoczenski, D.A., DiGiovanni, B.F. and **Wilding, G.E.** (2006). Reliability and validity of the American Orthopedic Foot and Ankle Society Clinical Rating Scale: A pilot study for the Hallux and lesser toes. *Foot and Ankle International*, **27**, 1014-1019.
- [25] Bernstein, J.M., Hasse, E., Scannapieco, F., Dryja, D., Wolf, J., Briles, D., King, J. and **Wilding, G.E.** (2006). Bacterial interference of penicillin-sensitive and penicillin-resistant streptococcus pneumoniae by streptococcus oralis in an adenoid organ culture: implications in the treatment of recurrent upper respiratory tract infections in children and adults. *Annals of Otolaryngology, Rhinology and Laryngology*, **115**, 350-356.

- [26] Bhatia, V., **Wilding, G.E.**, Dhindsa, G., Bhatia, R., Garg, R., Bonner, A.J., Dhindsa, S. (2006). Poor glycemic control prolongs hospital stay in diabetics admitted with congestive heart failure exacerbation. *Endocrine Practice*, **10**, 467-471.
- [27] Davidson, P.W., Meyers, G.J., Cox, C., **Wilding, G.E.**, Shamlaye, C.F., Huang, L., Cernichiari, E., Sloane-Reeves, J., Palumbo, D. and Clarkson, T.W. (2006). Methylmercury and neurodevelopment: longitudinal analysis of the Seychelles Child Development Cohort. *Neurotoxicology and Teratology*, **28**, 529-535.
- [28] DiGiovanni, B.F., Nawoczenski, D.A., Malay, D.P. Graci, P.A., Williams, T.T., **Wilding, G.E.** and Baumhauer, J.F. (2006). Planter fascia specific stretch results in marked improvement in subjects with chronic planter fasciitis: A prospective clinic trial with two-year follow up. *Journal of Bone and Joint Surgery*, **88**, 1775-1781.
- [29] Fakih, M.G., **Wilding, G.E.**, Lombardo, J. (2006). Cetuximab-induced hypomagnesemia in patients with colorectal cancer: a single institute experience. *Clinical Colorectal Cancer*, **6**, 152-156.
- [30] Stier, W.F., Schneider, R.C., Kampf, S., **Wilding, G.E.** and Haines, S. (2006). Current hiring practices of campus recreation directors of NIRSA institutions. *Recreational Sports Journal*, **30**, 100-115.
- [31] Schneider, R.C., Stier, W.F., Kampf, S., Haines, S. and **Wilding, G.E.** (2006). Characteristics, attributes, and competencies sought in new hires by campus recreation directors. *Recreational Sports Journal*, **30**, 142-153.
- [32] Agrawal, S., McCarron, E.C., Gibbs, J.F., Nava, H.R., **Wilding, G.E.**, and Rajput, A. (2007). Surgical management and outcome in primary adenocarcinoma of the small bowel. *Annals of Surgical Oncology*, **14**, 2263-2269. **First place winner in the Western New York Chapter American College of Surgeons Annual Essay Contest, 2006.**
- [33] Bir, A., Tan, W., **Wilding, G.E.**, Lombardo, J. and Fakih, M.G. (2007). 5-Fluorouracil, Leucovorin, and Oxaliplatin plus Bevacizumab in the first line treatment of metastatic colorectal cancer: a single institute study. *Oncology*, **72**, 4-9.
- [34] Brennan, R.M., Genco, R.J., **Wilding, G.E.**, Hovey, K.M., Trevisan, M. and Wactawski-Wende, J. (2007). Bacterial species in subgingival plaque and oral bone loss in postmenopausal women. *Journal of Periodontology*, **78**, 1051-1061.
- [35] Browne, R.W., Koury, S.T., Marion, S., **Wilding, G.E.**, Muti, P. and Trevisan, M. (2007). Accuracy and biological variation of human serum paraoxonase 1 activity and polymorphism (Q192R) by kinetic enzyme assay. *Clinical Chemistry*, **53**, 310-317.
- [36] Chaudhuri, A., Janicke, D., Wilson, M., Ghanim, H., **Wilding, G.E.**, Aljada, A. and Dandona, P. (2007). Effect of modified glucose-insulin-potassium on free fatty acids, matrix metalloproteinase and myoglobin in ST elevation myocardial infarction. *American Journal of Cardiology*, **100**, 1614-1618.
- [37] DiLiberto, F., Baumhauer, J.F., **Wilding, G.E.** and Nawoczenski, D.A. (2007). Alterations in plantar pressure with different walking boot designs. *Foot and Ankle International*, **28**, 55-60.

- [38] Guru, K., **Wilding, G.E.**, Piacente, P., Thompson, J., Deng, W., Kim, H.L., Mohler, J. and O'Leary, K. (2007). Robot-assisted radical cystectomy versus open radical cystectomy: assessment of postoperative pain. *Canadian Journal of Urology*, **14**, 3753-3756.
- [39] Houck, H.R., **Wilding, G.E.**, Gupta, R., De Haven, K.E., Maloney, M. and Duncan, A. (2007). Analysis of EMG patterns of control subjects and subjects with ACL deficiency during an unanticipated walking cut task. *Gait and Posture*, **25**, 628-638.
- [40] Puthillath, A., Bullard-Dunn, K., Rajput, A., Smith, J., Yang, G., **Wilding, G.E.**, Tan, W., Gupta, B. and Fakhri, M.G. (2007). Safety and efficacy of upfront chemotherapy in unresected metastatic colorectal cancer. *Clinical Colorectal Cancer*, **6**, 710-715.
- [41] Schneider, R.C., Stier, W.F., Kampf, S., **Wilding, G.E.** and Haines, S. (2007). Perceived problems in campus recreation programs in North America. *Recreational Sports Journal*, **31**, 51-60.
- [42] Brennan-Calanan, R.M., Genco, R.J., **Wilding, G.E.**, Hovey, K.M., Trevisan, M. and Wactawski-Wende, J. (2008). Osteoporosis and oral infection: Independent risk factors for oral bone loss. *Journal of Dental Research*, **87**, 323-327.
- [43] Buitrago, S., Martin, T.E., Tetens-Woodring, J., Belicha-Villanueva, A. and **Wilding, G.E.** (2008). Safety and efficacy of various combinations of injectable anesthetics in BALB/c mice. *Journal of the American Association for Laboratory Animal Science*, **47**, 11-17.
- [44] Chirumamilla, A.P., Wilson, M.F., **Wilding, G.E.**, Chandrasekhar, R., and Ashraf, H. (2008). Outcome of renal insufficiency patients undergoing coronary artery bypass graft surgery. *Cardiology*, **111**, 23-29.
- [45] Gottlieb, R., Litwin, A., Gupta, B., Taylor, J., Raczky, C., Mashtare, T., **Wilding, G.E.** and Fakhri, M. (2008). Qualitative radiologic assessment of tumor response: does it measure up? *Clinical Imaging*, **32**, 136-140.
- [46] Guru, K., Sternberg, K., **Wilding, G.E.**, Tan, W., Mohler, J. and Kim, H.L. (2008). The lymph node yield during robot-assisted radical cystectomy. *British Journal of Urology*, **102**, 231-234.
- [47] Kuo, B., McCallum, R.W., Koch, K.L., Sitrin, M.D., Wo, J.M., Chey, W.D., Hasler, W.L., Lackner, J.M., Katz, L.A., Semler, J.R., **Wilding, G.E.** and Parkman, H.P. (2008). Comparison of gastric emptying of a nondigestible capsule to a radio-labeled meal in healthy and gastroparetic subjects. *Alimentary Pharmacology and Therapeutics*, **27**, 186-196.
- [48] Javle, M., Pande, A., Iyer, R., Yang, G., LeVe, C., **Wilding, G.E.**, Black, J., Nava, H. and Nwogu, C. (2008). Pilot study of gefitinib, oxaliplatin, and radiotherapy for esophageal adenocarcinoma: Tissue effect predicts clinical response. *American Journal of Clinical Oncology*, **31**, 329-334.
- [49] Jenkins, L.C., Nogueira, M., **Wilding, G.E.**, Tan, W., Kim, H.L., Mohler, J.L. Guru, K.A. (2008). Median lobe in robot-assisted radical prostatectomy: Evaluation and management. *Journal of Urology*, **71**, 810-813.
- [50] Pande, R., Sunga, A., LeVe, C., **Wilding, G.E.**, Bshara, W., Reid, M. and Fakhri, M.G. (2008). Significance of signet-ring cells in patient with colorectal cancer. *Diseases of the Colon and Rectum*, **51**, 50-55.

- [51] Patel, M., Ailawadhi, S., Hernandez-Ilizaliturri, F. and **Wilding, G.E.** (2008). Vascular endothelial growth factor polymorphisms in early-stage non-small-cell lung cancer. *Journal of Clinical Oncology*, **26**, 3289-3290.
- [52] Yuh, B., Padalino, J., Butt, Z.M., Tan, W., **Wilding, G.E.**, Kim, H.L., Mohler, J.L. and Guru, K.A. (2008). Impact of tumor volume on surgical and pathologic outcomes after robot-assisted radical cystectomy. *British Journal of Urology*, **102**, 840-843.
- [53] Butt, Z.M., Perlmutter, A.E., Piacente, P.M., **Wilding, G.E.**, Tan, W., Kim, H.L., Mohler, J.L. and Guru, K.A. (2008). Impact of body mass index on robot assisted radical cystectomy. *To appear in the Journal of Society of Laparoendoscopic Surgeons*.
- [54] Chadha, M.K., Levea, C.M., Mashtare, T., **Wilding, G.E.**, Javle, M.M. and Nwogu, C.E. (2008). Cytokeratin staining to detect residual disease in patients undergoing neoadjuvant chemoradiation followed by esophagectomy for locally advanced esophageal cancer. *To appear in the Internet Journal of Oncology*.
- [55] Javle, M.M., Yang, G., Nwogu, C.E., **Wilding, G.E.**, O'Malley, L., Vinjamaram, S., Schiff, M.D., Nava, H.R., LeVea, C., Clark, K.R., Prey, J.D., Smith, P.F. and Pendyala, L. (2008). Capecitabine, oxaliplatin and radiotherapy: A phase IB neoadjuvant study for esophageal cancer with gene expression analysis. *To appear in Cancer Investigation*.
- [56] Shivakumar, R., Tan, W., **Wilding, G.E.**, Wang, E.S., Wetzler, M. (2008). Biologic features and treatment outcome of secondary acute lymphoblastic leukemia - A review of 101 cases. *To appear in Annals of Oncology*.
- [57] Takita, H., Shin, K.H., Soh, A.Y., Yi, W.S. and **Wilding, G.E.** (2008). Induction therapy of loco-regional non-small-cell lung cancer with reliable response and low toxicity (low dose radiotherapy sensitizes tumor to subsequent chemotherapy?) *To appear in Lung Cancer*.
- [58] Tomita, M.R., Tsai, B., Fisher, N., Kumar, N.A., **Wilding, G.E.** and Naughton, B.J. (2008). Raising adherence to exercise in patients with heart failure through Internet-based self management. *To appear in the Journal of the American Geriatrics Society*.
- [59] Wernberg, J.A., Yap, J., Mashtare, T., Murekeyisoni, C., **Wilding, G.E.**, Fernando, S. and Kulkarni, S. (2008). Multiple primary tumors in men with breast cancer diagnoses – a SEER database review. *To appear in the Journal of Surgical Oncology*.
- [60] Yuh, B., Butt, Z., Fazili, A., Piacente, P., Tan, W., **Wilding, G. E.**, Mohler, J. and Guru, K. (2008). Short term quality of life assessment after robot-assisted radical cystectomy - A prospective analysis. *To appear in the British Journal of Urology*.
- [61] Ailawadhi, S., Abdelhalim, A.N., Derby, L., Miller, K.C., Mashtare, T.L., **Wilding, G.E.**, Gottlieb, R., Alberico, R.A., Klippenstein, D.L., Mohr, A., Padmanabhan, S., Lee, K. and Chanan-Khan, A.A. Extent of disease burden determined with magnetic resonance imaging of the bone marrow (BM-MRI) is predictive of survival outcome in patients with multiple myeloma. (submitted).
- [62] Arshad, A., Bogner, P., Zhang, S., Chandrasekhar, R., **Wilding, G.E.**, Ramnath, N., Tan, D., Alrawi, S. and Khoury, T. Apoptosis-related (Survivin, Bcl-2), tumor suppressor gene (p53), proliferation (Ki-67) and non-receptor tyrosine kinase (Src) markers expression and correlation with clinicopathologic variables in 60 thymic neoplasms: Tissue microarray study. (submitted).

[63] Bernstein, J.M., Allen, C., Rich, G., Dryja, D., Bina, P., Ballow, M., Cavanaugh, D.M., **Wilding, G.E.** Further observations on the role of staphylococcus aureus exotoxins and IgE on the pathogenesis of massive nasal polyposis. (submitted).

[64] Chanan-Khan, A., Musial, L., Miller, K.C., Whitworth, A., Lawrence, D., Padmanabhan, S., **Wilding, G.E.**, Ailawadhi, S., DePaolo, D., Bangia, N., Zeldis, J.B., Bilgrami, S., Czuczman, M.S., Wallis, P. and Lee, K. Lenalidomide-associated tumor flare reaction in patients with chronic lymphocytic leukemia. (submitted).

[65] Czyrny, J.J., Kaplan, R.E., **Wilding, G.E.**, Purdy, C.H., Unsworth, J.D. and Hirsh, J. Venous blood flow velocity: Electrical foot stimulation compared to intermittent pneumatic compression of the foot. (submitted).

[66] Desai, F., Ramanathan, M., Fink, C.S., **Wilding, G.E.**, Weinstock-Guttman, B., and Awad, A.B. Immunomodulatory effects of the plant sterol β -sitosterol on peripheral blood cells from multiple sclerosis patients. (submitted)

[67] Guru, K.A., Wilbur, S., Butt, Z.M., Piacente, P., Tan, W., **Wilding, G.E.**, Kim, H.L., Huben, R. and Mohler, J.L. Robot-assisted radical cystectomy: Comparison with open radical cystectomy. (submitted).

[68] Harb, A., Tan, W., **Wilding, G.E.**, Battiwalla, M., Sait, S., Wang, E.S. and Wetzler, M. Monosomy 7 differentiates acute myeloid leukemia and diabetes insipidus into two separate entities. (submitted).

[69] Harb, A., Tan, W., **Wilding, G.E.**, Ford, L., Sait, S., Block, A.W., Barcos, M., Wallace, P.K., Wang, E.S. and Wetzler, M. Treating octogenarians and nonagenarians acute myeloid leukemia patients – predictive prognostic models. (submitted).

[70] Kesterson, J.P., Mashtare, T.L., **Wilding, G.E.** and Lele, S. Evaluation of smoking as a predictor of late-stage diagnosis of cervical cancer. (submitted).

[71] Kim, H.L, Tan, W., **Wilding, G.E.**, Shikanov, S.A., Zorn, K.C., Shalhav, A.L. and Shah, S.K. M.D. Estimation and prediction of renal function in patients with renal tumor. (submitted).

[72] Leach, C.L., **Wilding, G.E.**, Ryan, R.M., Wynn, R.J., Welliver, R.C., Fuhrman, B.P., and Holm, B.A. Effect of enhanced-ultraviolet germicidal irradiation in the heating ventilation and air conditioning system on ventilator-associated pneumonia in an intensive care unit. (submitted).

[73] Lo Bue-Estes, C., Willer, B., Burton, H., Leddy J., Wilding G.E. and Horvath P. Effect of short-term exercise to exhaustion on cognitive function in women. (submitted).

[74] Mashtare, T., Kethapalle, S., Mirand, A., **Wilding, G.E.** and Ramnath, N. Lung cancer patients' information seeking behavior and coping styles. (submitted).

[75] Mendel, F.C., Dolan, M., Fish, D.R., Marzo, J. and **Wilding, G.E.** Effects of high voltage pulsed current on recovery following grade I and II lateral ankle sprains. (submitted).

[76] Padmanabhan, A., Sullivan, M., **Wilding, G.E.**, Asubonteng, K., Lamonica, D., and O'Connor, T.L. Bisphosphonate-induced Osteonecrosis of the jaw (ONJ): Risk factors and screening. (submitted).

[77] Perlmutter, A.E., Butt, Z.M., Piacente, P., **Wilding, G.E.**, Tan, W., Kim, H.L., Mohler, J.L. and Guru, K.A. Robot-assisted radical cystectomy: The learning curve. (submitted).

[78] Puthillath, A., Mashtare, T., **Wilding, G.E.**, Khushalani, N., Steinbrenner, L., Ross, M.E. and Fakhri, M.G. A phase II study of first-line biweekly capecitabine and bevacizumab in elderly patients with metastatic colorectal cancer. (submitted).

[79] Rao, S.S.C., Kuo, B., McCallum, R.W., Chey, W.D., DiBaise, J.K., Hasler, W.L., Koch, K.L., Lackner, J.M., Miller, C., Saad, R., Semler, J.R., Sitrin, M.D., **Wilding, G.E.** and Parkman, H. Investigation of wireless manometry capsule for colonic and whole gut transit: A comparative study with radioopaque markers in health and constipation. (submitted).

[80] Sarosiek, I., Selover, K.H., Katz, L.A., Semler, J.R., **Wilding, G.E.**, Lackner, J.M., Sitrin, M.D., Kuo, B., Chey, W.D., Hasler, W.L., Koch, K.L., Parkman, H.P., Sarosiek, J. and McCallum, R.W. Motility capsule transit: A novel method for assessing regional gut transit times in healthy controls and patients with gastroparesis. (submitted).

[81] Shah, S.K., Trump, D.L., Sartor, O., Tan, W., **Wilding, G.E.** and Mohler, J.L. Phase II study of dutasteride in prostate cancer recurrent during androgen deprivation therapy. (submitted).

[82] Smith, R., Cai, S., Cannizzo, F., Padmanabhan, S., **Wilding, G.E.**, Asubonteng, K.O., Bullard Dunn, K. and Rajput, A. Primary intestinal lymphoma: evaluation of prognostic factors and treatment outcomes. (submitted).

[83] Tornatore, K.M, Dole, K., Gillis, K.A., Wallace, P., **Wilding, G.E.**, Brazeau, D., Leca, N., Yassa, S., DiFrancesco, R. and Venuto, R.C. Pharmacokinetic and racial factors associated with pharmacodynamics of activated T lymphocytes post-renal transplantation. (submitted).

[84] Tornatore, K.M, Sudchada, P., DiFrancesco, R., **Wilding, G.E.**, Dole, K., Zack, J., Leca, N., Gundroo, A.C. and Venuto, R.C. Mycophenolic acid pharmacokinetics in African American and Caucasian renal transplant recipients. (submitted).

Published Abstracts

[1] Ryan, R.M., Leach, T.J., **Wilding, G.E.**, Elder, F., Holm, B.A. and Leach, C.L. (2003). Ultraviolet germicidal irradiation (UVGI) of HVAC systems reduces bacterial and fungal HVAC contamination and tracheal aspirate colonization in a neonatal ICU. *Pediatric Research*, **53**, 316A.

[2] DiGiovanni B.F., Graci, P.A., Malay, D.F., Williams, T.T., **Wilding, G.E.**, and Nawoczenski, D.A. (2004). A proximal plantar fascia stretch protocol for chronic proximal plantar fasciitis: A two year follow up study. *Journal of Orthopedic Sports Physical Therapy*, **34**, A-25.

[3] Lackner, J.M., Mahl, T., and **Wilding, G.E.** (2004). IBS Patients' Response to Abdominal Pain: Too Sensitive, Too Tough, or Both? *Gastroenterology*, **126**, A480.

[4] Takita, H., Soh, A.Y., Shin, K.H., and **Wilding, G.E.** (2004). Induction therapy for non small cell lung carcinoma(NSCLC) using the principle of radiation induced sensitization of chemotherapy: A phase II study. *Journal of Clinical Oncology*, **22**, 7317.

[5] Arora, P., **Wilding, G.E.**, Karam, J., Mustafa, R., Lohr, J.W. (2005). Progression of renal disease in the elderly - Role of statins. *American Journal of Kidney Disease*, **45**, A18.

- [6] Takita, H., Soh, A.Y., Shin, K.H., and **Wilding, G.E.** (2005). Low dose of radiotherapy sensitizes tumor to subsequent chemotherapy? Induction therapy of loco-regional non small cell lung cancer with reliable response and low toxicity. *Proceedings of the American Association for Cancer Research*, **46**, 286.
- [7] Pendyala, L., **Wilding, G.E.**, Smith, P., Iyer, R., Nava, H., Nwogu, C. and Javle, M. (2006). Oxaliplatin induces the expression of genes involved in capecitabine activation: preliminary results of a pharmacodynamic study in esophageal cancer. *European Journal of Cancer Supplements*, **4**, 94.
- [8] Tornatore, K.M., Gillis, K.A., Dole, K., Wallace, P., Leca, N., **Wilding, G.E.**, Venuto, R.C. (2006). Time Dependent change in intracellular cytokines in African Americans and Caucasian renal transplant recipients. *American Journal of Transplantation*, World Transplant Congress, **6**, 141.
- [9] Tornatore, K.M., Gillis, K.A., Dole, K., Wallace, P., Leca, N., **Wilding, G.E.**, Venuto, R.C. (2006). Time Dependent change in intracellular cytokines in African Americans and Caucasian renal transplant recipients. *Transplantation*, **82**, 141.
- [10] Abdal Raheem, S., Gupta, B., Tan, W., **Wilding, G.E.**, Smith, J., Yang, G., Rajput, A., Bullard Dunn, K. and Fakih, M.G. (2007). Complications and effectiveness of combination chemotherapy in metastatic colorectal cancer (MCRC) with unresected primary (UP). *Journal of Clinical Oncology*, **25**, 14537.
- [11] Aggarwal, C., Gibbs, J., **Wilding, G.E.**, Mashtare, T. and Javle, M. (2007). Mucinous cystadenocarcinoma (mca) of the appendix: Role of adjuvant therapy. *Journal of Clinical Oncology*, **25**, 15131.
- [12] Agrawal, S., Kraybill, W.G., Albin, P., Tan, W., **Wilding G.E.** and Kane, J. (2007). Survival and treatment morbidity with therapeutic lymphadenectomy for regional nodal metastases from melanoma. *Journal of Clinical Oncology*, **25**, 8571.
- [13] Agrawal, S., McCarron, E.C., **Wilding, G.E.**, Gibbs, J.F. and Rajput, A. (2007). Surgical management and outcome in primary adenocarcinoma of the small bowel. *Annals of Surgical Oncology*, **14**, 59-60.
- [14] Ailawadhi, S., Derby, L., Mashtare, T.L., Miller, K.C., **Wilding, G.E.**, Padmanabhan, S., Gottlieb, R., Alberico, R.A., Klippenstein, D.L. and Abdelhalim, A.N. (2007). Determining the extent of disease with magnetic resonance imaging of the bone marrow (BM-MRI) in patients with multiple myeloma (MM). *Blood*, **110**, 1483.
- [15] Ailawadhi, S., Derby, L., Miller, K.C., Mashtare, T.L., **Wilding, G.E.**, Padmanabhan, S., Gottlieb, R., Alberico, R.A., Klippenstein, D.L., Abdelhalim, A.N. and Chanan-Khan, A.A. (2007). Improved sensitivity of Bone Marrow Magnetic Resonance Imaging (BM-MRI) in quantifying the extent of bone marrow involvement in patients with Multiple Myeloma (MM). *Blood*, **110**, 267B.
- [16] Ailawadhi, S., Mashtare, T.L., Coignet, M.V., Depaolo, D.M., Miller, K.C., Padmanabhan, S., **Wilding, G.E.**, Starostik, P. and Chanan-Khan, A.A. (2007). bcl-2 translocation [t(14;18)(q32;q21)] does not correlate with poor clinical outcome in multiple myeloma patients treated with bortezomib. *Blood*, **110**, 1498.

- [17] Ailawadhi, S., Mashtare, T.L., Coignet, M.V., Depaolo, D.M., Miller, K.C., **Wilding, G.E.** and Chanan-Khan, A.A. (2007). Renal dysfunction does not affect clinical response in multiple myeloma (MM) patients treated with bortezomib-based regimens. *Blood*, **110**, 1477.
- [18] Bogner, P.N., Rigual, N.R., Ferrone, S., **Wilding, G.E.**, and Cheney, R.T. (2007). Reduced expression of the chaperone protein calnexin is associated with sentinel lymph node metastasis of oral carcinoma. *Laboratory Investigation*, **87**, 221A.
- [19] Bogner, P.N., Rigual, N.R., Ferrone, S., **Wilding, G.E.**, and Cheney, R.T. (2007). Reduced expression of the chaperone protein calnexin is associated with sentinel lymph node metastasis of oral carcinoma. *Modern Pathology*, **20**, 221A.
- [20] DePaolo, D., Miller, K.C., Whitworth, A., Mohr, A., Mashtare, T.L., **Wilding, G.E.**, Ailawadhi, S., Padmanabhan, S., Chanan-Khan, A.A. (2007). Oral acyclovir is an effective in decreasing the incidence of bortezomib associated herpes zoster in patients with multiple myeloma. *Blood*, **110**, 286B.
- [21] Ghadersohi, A., Sharma, S., Zhang, S., Fayazi, Z., Azrak, R.G., Rustum, Y.M., Mohler, J., Groth, J., **Wilding, G.E.**, Slocum, H. and Li, F. (2007). The prognostic significance of prostate derived Ets transcription factor expression in prostate cancer patients. *Proceedings of the American Association for Cancer Research Annual Meeting*, **48**, 400-401.
- [22] Ghadersohi, A., Bogner, P.N., Fayazi, Z., Demmy, T.L., Reid, M., **Wilding, G.E.**, Reska, N., Slocum, H., Groth, J., Azrak, R.G., Rustum, Y.M., and Li, F. (2007). Downregulation of PDEF expression in lung carcinoma is associated with up regulation of survivin and malignant potential. *Proceedings of the American Association for Cancer Research Annual Meeting*, **48**, 797.
- [23] Gottlieb, R., Litwin, A.M., Mashtare, T.L., **Wilding, G.E.**, Raczky, C.L., Taylor, J., Fakh, M.G. and Gupta, B. (2007). Does qualitative radiologic assessment of tumor response measure up to traditional quantitative scoring methods? *Journal of Clinical Oncology*, **25**, 17034.
- [24] Higgs, D.E., Bogner, P.N., Hicks, D.G., Starostik, P., **Wilding, G.E.**, Mashtare, T.L. and Merzianu, M. (2007). Oligo- and Polyclonal B Cell Response to Lung Carcinoma Is Common. *Laboratory Investigation*, **87**, 323A.
- [25] Higgs, D.E., Bogner, P.N., Hicks, D.G., Starostik, P., **Wilding, G.E.**, Mashtare, T.L. and Merzianu, M. (2007). Oligo- and Polyclonal B Cell Response to Lung Carcinoma Is Common. *Modern Pathology*, **20**, 323A.
- [26] O'Connor, T.L., Padmanabhan, A., **Wilding, G.E.**, Sullivan, M., Solomon, L. and Lamonica, D. (2007). Bisphosphonate-induced osteonecrosis of the jaw: Risk factors and diagnostic utility of bone scans. *Journal of Clinical Oncology*, **25**, 9052.
- [27] Rao, S., Kuo, B., Chey, W., Dibaise, J., Katz, L., Koch, K., Lackner, J., McCallum, R., Saad, R., Selover, K., Semler, J., Sitrin, M., **Wilding, G.E.**, Parkman, H. (2007). Simultaneous assessment of colonic transit using wireless capsule (SmartPill (R)) and radiopaque markers in healthy subjects and effects of gender. *American Journal of Gastroenterology*, **102**, S270.

- [28] Rao, S., Kuo, B., Chey, W., DiBaise, J., Katz, L., Koch, K., Lackner, J., McCallhan, R., Saad, R., Selover, K., Semler, J., Sitrin, M., **Wilding, G.E.**, Parkman, H. (2007). Investigation of wireless capsule (SmartPill (R)) for colonic transit: A comparative study with radiopaque markers in health and constipation. *American Journal of Gastroenterology*, **102**, S512.
- [29] Shivakumar, R., Tan, W., **Wilding, G.E.**, Wang, E.S. and Wetzler, M. (2007). Biologic features and treatment outcome of secondary acute lymphoblastic leukemia - Review of 101 cases. *Blood*, **110**, 154B.
- [30] Angitapalli, R., Kumar, P., Litwin, A., Nasser, E., Lombardo, J., Mashtare, T., **Wilding, G.E.** and Fakih, M. (2008). Increase in splenic volume suggesting unrecognized portal hypertension resulting from adjuvant FOLFOX chemotherapy in colorectal cancer (CRC). *Journal of Clinical Oncology*, **26**, abstr 15028.
- [31] Chadha, K.S., Schiff, M.D., Sitrin, M.D., **Wilding, G.E.** and Nava, H.R. (2008). Analysis of clinical outcomes of esophageal stent placement for palliation of malignant dysphagia. *Gastrointestinal Endoscopy*, **67**, AB188.
- [32] Harb, A., Tan, W., **Wilding, G.E.**, Ford, L.A., Sait, S.N., Block, A.W., Barcos, M., Wallace, P.K., Wang, E.S. and Wetzler, M. (2008). Treating octogenarian and nonagenarian acute myeloid leukemia (AML) patients (pts): Predictive prognostic models. *Journal of Clinical Oncology*, **26**, abstr 20576.
- [33] Hasler, W.L., Rao, S.S., Koch, K.L., Sarosiek, I., McCallum, R., Lackner, J.M., Parkman, H.P., Chey, W.D., Saad, R.J., Kuo, B., Miller, C., Sitrin, M.D., Katz, L.A., **Wilding, G.E.** and Semler, J.R. (2008). Wireless capsule quantification of region-specific gastrocolonic response and sleep inhibition of colon motor activity in unprepared colons of humans with normal colon transit. *Gastroenterology*, **134**, A678.
- [34] Hasler, W.L., Saad, R.J., Rao, S.S., Katz, L.A., Parkman, H.P., Koch, K.L., McCallum, R., Kuo, B., Sarosiek, I., Sitrin, M.D., Lackner, J.M., **Wilding, G.E.**, Miller, C., Semler, J. and Chey, W.D. (2008). Heightened motor activity measured by a wireless capsule in unprepared colons of patients with complaints of constipation: Relation to colon transit and IBS. *Gastroenterology*, **134**, A678.
- [35] Kloetzer, L., Gaman, A., McCallum, R., Koch, K.L., Sitrin, M.D., Chey, W.D., Lackner, J.M., Katz, L.A., **Wilding, G.E.**, Parkman, H.P., Sarosiek, I., Miller, C., Saad, R.J., Rao, S.S., Semler, J., Hasler, W.L. and Kuo, B. (2008). Characterization of pressure patterns in distal colonic and rectal motility activity between healthy volunteers and patients with dyssynergic defecation using an ambulatory capsule, Smartpill. *Gastroenterology*, **134**, A281.
- [36] Kloetzer, L., Gaman, A., Napadow, V., McCallum, R., Koch, K.L., Sitrin, M.D., Chey, W.D., Lackner, J.M., Katz, L.A., **Wilding, G.E.**, Parkman, H.P., Sarosiek, I., Smout, A., Hasler, W.L., Semler, J., Kuo, B. (2008). Spectral analysis of contractile frequency in the ileum and proximal colon, characterization of motility patterns using an ambulatory capsule, Smartpill. *Gastroenterology*, **134**, A676.
- [37] Lisjak, R.M., Wilding, G.E. and Sirianni, J.E. (2008). Quantifying fetal spinal growth in a digital environment: A nonhuman primate study focused on reliability and reproducibility of employed methods. *American Journal of Physical Anthropology*, Suppl. **46**, 141.

[38] Ong, E.S., Schlieman, M.G., Tan, W., **Wilding, G.E.** and Kane, J. M. (2008). Merkel cell carcinoma: The role of sentinel lymph node biopsy and adjuvant radiation. *Annals of Surgical Oncology*, **15**, 99.

[39] Ong, E.S., Wernberg, J., Alassas, M.M., Mashtare, T., **Wilding, G.E.**, Rajput, A., Fakhri, M., and Dunn, K.B. (2008). Trends in surgical management of stage IV colorectal cancer 1988-2004. *Annals of Surgical Oncology*, **15**, 87.

[40] Meguerditchian, A. Asubonteng, K., Young, C. J., Lema, B., **Wilding, G.E.** and Kane, J. M. (2008). Thick primary melanomas: A heterogeneous tumor biology? *Annals of Surgical Oncology*, **15**, 98.

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[42] Shah, S.K., Trump, D., **Wilding, G.E.**, Sartor, O. and Mohler, J.L. (2008). Phase II clinical trial of dutasteride in castration-recurrent prostate cancer. *Journal of Urology*, **179** (Suppl. S), 180-181.

Graduate Student Committees

Chair/Primary Mentor – Doctoral

Xueya Cai, Ph.D. in Biostatistics, 2008

Wei Deng, Ph.D. in Biostatistics (present)

Rameela Chandrasekhar, Ph.D. in Biostatistics (present)

William Brady, Ph.D. in Biostatistics (present)

Chair/Primary Mentor – Masters

Xueya Cai, M.A. in Biostatistics, 2006

Resmi Gupta, M.A. in Biostatistics, 2007

Wei Deng, M.A. in Biostatistics, 2007

Christopher Purdy, M.A. in Biostatistics, 2007

Ryan Danison, M.A. in Biostatistics, 2008

Linda Roycroft, M.A. in Biostatistics (present)

David Cavanaugh, M.A. in Biostatistics (present)

Erica Gaughan, M.P.H in Biostatistics (present)

Committee member – Doctoral

Renee Brennan, Ph.D. in Epidemiology, 2006
Young-ju Pak, Ph.D. in Biostatistics, 2007
Terry Mashtare, Ph.D. in Biostatistics (present)
Kobby Owusu Asubonteng, Ph.D. in Biostatistics (present)
Yulin Li, Ph.D. in Cancer Pathology and Prevention (present)
Felicia Park, Ph.D. in Cancer Pathology and Prevention (present)
Gabrielle Foley, Ph.D. in Epidemiology (present)

Committee member – Masters

Abu Rahman, M.A. in Biostatistics, 2007
Jon Dare, M.A. in Biostatistics, 2008
Vincent Girardi, M.A. in Biostatistics, 2008
Kristen McKay, M.A. in Biostatistics (present)
Brendan Heavey, M.A. in Biostatistics (present)
Aruna Priya, M.A. in Biostatistics (present)

University Committees

Department of Biostatistics departmental representation on the School of Public Health and Health Professions Faculty Assembly/University Faculty Senate (2003-2004)
Senior Member of the Graduate Faculty (2003-present)
Member of Department of Biostatistics associate professor faculty search committee (2004)
Member of Department of Biostatistics research assistant professor faculty search committee (2006, 2007, 2008)
Chair of the Richard N. Schmidt Student Travel Award Committee (2006-present)
Member of Masters comprehensive exam committee (2005-present)

Scientific Review/Advisory Committees

Member of the Roswell Park Cancer Institute Data Safety Monitoring Board (DSMB) (2005-present)

Member of the Roswell Park Cancer Institute Scientific Review Committee (SRC) (2006-present)

Member of the Roswell Park Cancer Institute Alliance Foundation Scientific Advisory Committee (2006-present)

Member of the Roswell Park Cancer Institute Information Technology Advisory Board (2005-present)

Member of the Roswell Park Cancer Institute Clinical Research Services Advisory Committee (2007-present)

Member of the Clinical Steering Committee for the SMRT Fragile Site Study Sponsored by PersonaDX, Inc.

Member of the Product Advisory Board for the SmartPill Corporation

Member of the Roswell Park Cancer Institute Internal Review Board (IRB) (2005-2007)

Professional Affiliation

Member of the American Statistical Association (1998-present)

Member of the Eastern North American Region/International Biometric Society (2002-present)

Cancer center support grant member, non-aligned member, Roswell Park Cancer Institute (2005-present)

Professional Activities

Serve as expert witness

Wrote letter for Dr. Lili Tian for tenure at the University at Buffalo

Journal reviewer for Lifetime Data Analysis

Journal reviewer for Statistics in Medicine

Journal reviewer for Computational Statistics and Data Analysis

Journal reviewer for the Journal of Clinical Oncology

Journal reviewer for the Journal of Statistical Planning and Inference

Grant Activity/Other Support

Ongoing Research Support

R21 CA102391-01A2, Jean Brown, PI NIH Response to Multivitamins/Minerals During Cancer Therapy. The major goals of this project are to study the role of multivitamins and minerals during cancer therapy. Role: Co-Investigator	\$332,768	08/01/05-07/31/08	5%
PC-040238, Donald Trump, PI DOD Evaluation of CYP24 as a Target for Enhancing Vitamin D Analogue Activity in Prostate Cancer. The overall goal of this grant is to investigate the effect of ketoconazole on calcitriol-mediated antiproliferative activity in prostate cancer patients and in correlative studies on the mechanism of these effects. Role: Biostatistician (UB-PI through subcontract)	\$435,543	09/28/04-09/27/08	5%
P01 CA077739-06, James Mohler, PI NIH Prostate Cancer: Transition to Androgen Independence - Core B Immunoanalysis and Tumor Management. Renewal of a core that serves two primary functions to the three projects: Core B is involved in all aspects of clinical specimen and prostate cancer xenograft management and Core B processes and stores the invaluable prostate biopsy specimens obtained from men with advanced prostate cancer prior to and at regular intervals after beginning androgen deprivation therapy. Role: Biostatistician (UB-PI through subcontract)	\$59,580	04/01/05-03/31/10	5%
P30 CA16056-31, Donald Trump, PI Cancer Center Support Grant – Biostatistical Core (RPCI subcontract) NIH The major goal of this project is to provide biostatistical support for cancer clinical trials. Role: Co-Investigator	\$172,400	08/01/03-04/30/08	40%
5R21CA121294-02, Khushi Matta, PI NIH An Untested Approach: Biomarkers for Colon Cancer. Since glycosyltransferase (enzymes involved in glycosylation) levels are dysregulated in cancer patients, we propose to identify novel, mucinous biomarkers. In this regard, the conventional strategy of isolating and characterizing mucin glycoproteins is laborious and time consuming. Thus a new approach is proposed for the identification of tumor antigens based on knowledge of glycosyltransferase specificity and related biochemistry. Role: Biostatistician(UB-PI through subcontract)	\$86,478	02/01/08 - 01/31/09	3%

6046-08, Asher Chanan- Khan, PI 10/01/07-9/30/10 5%
 The Leukemia & Lymphoma Society \$180,018
 Targeting the B-CLL Cell and its Microenvironment.
 B-Cell remains incurable with limited treatment options for relapsed/refractory patients. A clinical trial has been initiated to test efficacy and tolerability of a combination to target the B-Cell cell itself (by AT-101, a new Bcl-2 inhibitor) and its microenvironment (by lenalidomide) to improve clinical responses. Goal of studies is to understand the mechanism whereby lenalidomide modulates the B-CLL cell itself and the immune cells in its microenvironment.
 Role: Biostatistician (UB-PI through subcontract)

2R01 DC004689-06A2, Kris Tjaden, PI 07/1/2007-06/30/12 5%
 NIH-NIDCD \$1,313,595
 Therapeutic Approaches to Dysarthria: Acoustic and Perceptual Correlates
 This project aims to study how behavioral therapy techniques for dysarthria secondary to Parkinson's disease and Multiple Sclerosis impact segmental and suprasegmental acoustic measures of speech as well as the relationship to speech intelligibility.
 Role: Statistician

Completed Research

R21 CA112914-01, Donald Trump, PI 04/01/05-03/31/08 5%
 NIH \$192,859
 Evaluation of CYP24 as a Target for Enhancing Vitamin D Activity in Cancer: Preclinical and Clinical Studies.
 Goal primarily with the trial proposed is to determine the safe dose of calcitriol (oral) used with ketoconazole/dex and to explore whether the concomitant administration of ketoconazole + calcitriol may enhance apparent oral bioavailability and reduce inter-patient variation in systemic exposure.
 Role: Biostatistician (UB-PI through subcontract)

R21 CA101326-02, Youcef Rustum, PI 09/22/03-08/31/06 5%
 NCCN \$222,500
 Irinotecan in Combination with Celecoxib: A phase I Study
 The goal is to evaluate the role of Celecoxib, a carboxylesterase inhibitor, as a selective modulator of the antitumor efficacy and toxicity of Irinotecan, a topoisomerase I poison in patients with advanced malignancies.
 Role: Sr. Clinical Biostatistician (UB-PI through subcontract)

RG-02-0645, Jeff Houck, PI 09/01/04-12/31/06 2%
 Whitaker Foundation \$143,915
 Associations of Motor Control Strategies with Function of Subjects that are ACL Deficient during Expected and Unexpected Cut Tasks
 The long term goal of this project is to rigorously evaluate the usefulness of manipulating time dependent unexpected tasks as a means to distinguish motor control responses of copers and non-coper subjects that are ACL deficient.
 Role: Collaborator (UB-PI through subcontract)

Georgirene Vladutiu, PI Muscular Dystrophy Association	\$354,000	10/01/03-09/30/05	5%
Improved Diagnosis of Metabolic Diseases Among the Statin Myopathies The goal is to develop an approach to the detection of individuals at high risk for statin-induced myopathies, determine the underlying heritable risk factors, and offer physicians biochemical and molecular means for identifying these individuals before they develop life-threatening illness. Role: Collaborator			
R01 CA092040-04, Jo Freudenheim, PI NIH	\$484,885	06/01/02-05/31/07	5%
Methylation and Oxidation in Breast Cancer This study is an analysis of an existing case-control study to examine two etiological mechanisms, one-carbon metabolism and/or oxidative stress and breast cancer. Role: Co-Investigator			
35350, Frank Mendel, PI National Football League	\$125,000	07/01/05-12/31/06	5%
Effects of Electrical Stimulation on Time to Recovery Following Grade I and II Inversion Ankle Sprains in Intercollegiate and Professional Athletes. The purposes of this proposed study are to determine whether aggressive application of high voltage pulsed current (HVPC), used as an adjunct to standard therapy for acute grade I-II inversion and high ankle sprains, affects: 1) time to recovery, 2) time to hop on injured foot 90% of distance hopped on uninjured limb, and 3-4) edema formation or pain. Role: Co-Investigator			
R305L030065, William E. Pelham, Jr., PI Institute of Education Sciences	\$1,098,552	08/25/03-08/24/07	5%
School-Wide Academic and Behavioral Competencies Program The major goal of this project is to evaluate the effects of the School-Wide Academic and Behavioral Competencies (ABC) Program provided over a three-year period on children's social and behavioral development. Role: Consultant			
R01 MH062946-03S1A1, William E. Pelham, Jr., PI NIMH	\$192,877	07/15/01-06/30/05	5%
ADHD Treatment: Comparative and Combined Dosage Effects The major goals of this project are to study the relative effects of and interactions between doses of behavioral and pharmacological treatments for ADHD by evaluating their separate and combined effects in a controlled summer program setting. Role: Consultant			
DAMD01-10340, James Mohler, PI U.S. Army Medical Research	\$545,453	02/01/02-01/31/07	1%
Prevention of Development of Recurrent Growth of Prostate Cancer. If the critical events in the life of the cancer that allows it to grow without androgen could be learned, these events could be targeted in order to prevent the development of growth without androgen or even kill these cells directly. Role: Biostatistician (UB-PI through subcontract)			
Roswell Park Cancer Institute (subcontract)		07/01/04-02/28/05	50%
Variety of statistical work with an emphasis on design of clinical studies.			