

## 1. BIOGRAPHICAL DATA

### Personal Information

Place of Birth: Zhejiang Province, P. R. China

Marital Status: Married, two sons born in 1998, 2002

### Citizenship

USA

### Address

Department of Biostatistics  
460 Dauer Hall  
PO Box 117450  
Gainesville, FL 32610

Phone: (352) 294-5910 (W)  
(352) 262-5939 (C)

Fax: (352) 294-1930

Email: samwu@biostat.ufl.edu

### Education

Ph.D. in Statistics; (1998)

Cornell University

M.S. in Statistics; (1997)

Cornell University

M.A. in Probability and Statistics (1992)

Nankai University

B.S. in Probability and Statistics (1989)

Peking University

### Employment

07/2014 - present Professor and Associate Chair, Department of Biostatistics, College of Medicine and College of Public Health and Health Professions, University of Florida.

11/2013 - present Director of Biostatistics Core, The UF Claude D. Pepper Older Americans Independence Center

07/2008 - present Affiliate Professor, Department of Statistics, University of Florida.

09/2010 - 06/2014 Associate Professor, Department of Biostatistics, University of Florida.

07/2002 - 06/2014 Director of the Biostatistics Core, VA Brain Rehabilitation Research Center.

09/2010 - 10/2012 Interim Chair, Department of Biostatistics, University of Florida.

07/2008 - 09/2010 Associate Professor (with tenure), Department of Epidemiology and Health Policy Research, University of Florida.

07/2005 - 07/2008 Assistant Professor, Department of Epidemiology and Health Policy Research, University of Florida.

08/1998 - 07/2005 Research Assistant then (from 09/2001) Assistant Professor, Department of Statistics, University of Florida.

08/1992 - 07/1994 Software Engineer, Tianjin Computing Center, Tianjin, China.

## 2. SCHOLARSHIP AND CREATIVE ACTIVITY

### Publications in Refereed Journals

#### [A. Theory and Methods]

1. Lu X, He Y, **Wu SS**. Interval estimation in multi-stage drop-the-losers designs. *Statistical Method in Medical Research*. (to appear) (PMID: 26980742)
2. **Wu SS**, Chen S, Bhattacharjee A, He Y. (2017). Collusion resistant multi-matrix masking for privacy-preserving data collection. *Proc. IEEE International Conference on Big Data Security on Cloud*, Beijing, China, May 2017.
3. Zhou Y, Zhou Y, Chen SG, and **Wu SS**. (2017). Achieving Strong Privacy in Online Survey. *Proc. of IEEE ICDCS*, Atlanta, GA, USA, June 2017.
4. **Wu SS**, Chen S, Burr D, Zhang L. (2017). A new data collection technique for preserving privacy. *J Privacy and Confidentiality*. Volume 7, Issue 3, Article 5.
5. Zhou Y, Zhou YA, Chen S, **Wu SS**. MVP: An Efficient Anonymous E-voting Protocol, *2016 IEEE Global Communications Conference - Next-Generation Networking and Internet*, Washington DC, USA,
6. Pei QL, Chen SG, Xiao Y, and **Wu SS**. (2016). Applying triple-matrix masking for privacy preserving data collection and sharing in HIV studies. *Current HIV Research*. 14(2): 121 - 9. (PMID: 26511340)
7. **Wu SS**, Tu Y, He Y. (2014). Testing for efficacy in adaptive clinical trials with enrichment. *Statistics in Medicine*. 33(16):2736-45. (PMID: 24577792)
8. Lu X, Sun A, **Wu SS**. (2013). On estimating the mean of the selected normal population under the LINEX loss function in two-stage adaptive designs. *Journal of Statistical Planning and Inference*. 143: 1215 - 1220.
9. Tao L, **Wu SS**, Chen SG, Yang MCK. (2012). Generalized energy-efficient algorithms for the RFID estimation problem. *ACM/IEEE Transaction On Networking*. 20(6): 1978 - 1990.
10. Chang M, Jung SH, **Wu SS**. (2011). Two-stage designs with additional futility tests for phase II clinical trials with heterogeneous patient populations. *Sequential Analysis*. 30: 338-349.
11. Neal D, Casella G, Yang MCK, **Wu SS**. (2011). Interval estimation in two-stage, drop-the-losers clinical trials with flexible treatment selection. *Statistics in Medicine*. 30(23): 2804-14. (PMID:21823142)
12. Mee RW, Ford JJ, **Wu SS**. (2011). Step-up tests with a single cutoff for unreplicated orthogonal designs. *Journal of Statistical Planning and Inference*. 141: 325-334.
13. Luo XL, **Wu SS**, Xiong J. (2010). Parameter estimation following an adaptive treatment selection trial design. *Biometrical Journal*. 52(6):823-35.
14. Tao L, **Wu SS**, Chen SG, Yang MCK. Energy efficient algorithms for the RFID estimation problem. *Proc. IEEE INFOCOM10*, pp. 1019-1027, San Diego, CA, US, March 2010.

15. **Wu SS**, Rao PV, Raychaudhuri A. (2010). Optimal weights for a class of rank tests for censored bivariate data. *The legacy of Alladi Ramakrishnan in the mathematical sciences (K. Alladi, J. R. Klauder, C. R. Rao, Eds.) Springer, New York.*
16. Neal D, Tan J, Hao F, **Wu SS**. (2010) Simply better: using regression models to estimate major league batting averages. *Journal of Quantitative Analysis in Sports*. Vol. 6: Iss. 3, Article 12.
17. **Wu SS**, Wang W, Yang MCK. (2010). Interval estimation for drop-the-loser designs. *Biometrika*. 97: 405-418.
18. Chang M, Wu RL, **Wu SS**, Casella G. (2009). A score-statistic approach for mapping quantitative trait loci from a genetic linkage map. *Statistical Applications in Genetics and Molecular Biology*. Vol. 8 : Iss. 1, Article 16.
19. **Wu SS**, Yang MCK. (2008). An improved double-elimination tournament with application to the FIFA world cup. *Mathematical Scientist*. 33: 79-92.
20. **Wu SS**, Wang WZ, Annis D. (2008). On identification of inferior treatments using the Newman-Keuls test. *Biometrical Journal*. 5: 861-869.
21. **Wu SS**, Wang WZ. (2008). A note on step-up simultaneous tests in orthogonal saturated designs. *Journal of Statistical Planning and Inference*. 138: 3149-3156.
22. **Wu SS**, Wang WZ. (2007). Step-up simultaneous tests for identifying active effects in orthogonal saturated designs. *Annals of Statistics*. 35(1): 449-463.
23. Annis D, **Wu SS**. (2007). Improved college football scheduling using a modified Swiss system. *Chance*. 20(1): 6-10.
24. **Wu SS**, Yang MCK. (2007). Using pilot study information to increase efficiency in clinical trials. *Journal of Statistical Planning and Inference*. 137(7): 2172-2183.
25. **Wu SS**, Annis D. (2007). Asymptotic relative efficiency of the majority rule and rank-sum method for selecting best population. *Journal of Statistical Planning and Inference*. 137(6): 1838-1850.
26. Shuster JJ, **Wu SS**, Sun AQ. (2006) Design alternatives to four team double elimination tournaments. *The Mathematical Scientist*. 31: 95-106.
27. **Wu SS**. (2006). Combining univariate tests for multivariate location problem. *Communication in Statistics*. 35: 1483-1494.
28. Annis D, **Wu SS**. (2006). A comparison of potential playoff systems for NCAA I-A football. *The American Statistician*. 60(2):151-157.
29. **Wu SS**, Li HY, Casella G. (2006). Tests with optimal average power in multivariate analysis. *Statistical Sinica* 16(1): 255-266.
30. **Wu SS**, Wells MT. (2005). An extension of the metropolis algorithm. *Communications in Statistics (Theory and Method)*. 34(3): 585-596.
31. **Wu SS**, Yang MCK. (2004). Evaluation of current rule in figure skating and possible improvements. *The American Statistician*. Vol. 58: 46-54.
32. **Wu SS**, Wells MT. (2003). Nonparametric hazard estimation using wavelet methods. *J. Nonpar. Stat*. Vol. 15(2), 187-203.

33. Wu RL, Ma CX, Yang MCK, Chang M, Littell, RC, Santra U, **Wu SS**, Yin TM, Huang MR and Casella G. (2003). Quantitative trait loci for growth trajectories in *Populus*. *Genetical Research*. 81(1), 51-64. 235:245.
34. Wu RL, Ma CX, **Wu SS**, Zeng Z-B. (2002). Linkage mapping of sex-specific differences. *Genetical Research*. 77: 70-80.
35. **Wu SS**, Ma CX, Wu RL, Casella G. (2002). A hierarchical statistical model for estimating population properties of quantitative genes. *BMC Genetics*. 3:10.
36. Wu RL, Ma CX, Chang M, Littell RC, **Wu SS**, Yin TM, Huang M, Wang M, Casella G. (2002). A logistic mixture model for characterizing genetic determinants causing differentiation in growth trajectories. *Genetical Research*. 79, 235:245.
37. **Wu SS**, Wu RL, Ma CX, Zeng ZB, Yang MCK, Casella G. (2001). A multivalent pairing model of linkage analysis in autotetraploids. *Genetics*. Vol. 159(3): 1339-50.
38. Wu RL, Li BL, **Wu SS**, Casella G. (2001). A maximum likelihood-based method for mining major genes affecting a quantitative character. *Biometrics*. Vol. 57(3), 764-8.
39. Mo S, **Wu SS**, Chen R, Yang MCK. (2001). Optimal sequential allocation with imperfect feedback information. *J. Applied Probability*. Vol. 38, No.1: 248-254.

#### [B. Applications]

40. Shahgholi L, Jesus SD, **Wu SS**, Pei P, Hassan A, Armstrong MJ, Martinez-Ramirez D, Schmidt P, Okun MS. Hospitalization and rehospitalization in Parkinson disease patients: Data from the National Parkinson Foundation centers of excellence. *Plus One*. (to appear).
41. George SZ, Beneciuk JM, Lentz TA, **Wu SS**. (2017). The Optimal Screening for Prediction of Referral and Outcome (OSPRO) in patients with musculoskeletal pain conditions: a longitudinal validation cohort from the USA. *BMJ Open*. 7(6):e015188. (PMID: 28600371)
42. George SZ, Staud R, Borsa PA, **Wu SS**, Wallace MR, Greenfield WH, Mackie LN, Fillingim RB. (2017). Biopsychosocial influence on shoulder pain: Rationale and protocol for a pre-clinical trial. *Contemp Clin Trials*. 56:9-17. (PMID: 28315479)
43. Jia H, Pei Q, Sullivan CT, Cowper Ripley DC, **Wu SS**, Vogel WB, Wang X, Bidelspach DE, Hale-Gallardo JL, Bates BE. (2017). Regional variation in post-stroke multidisciplinary rehabilitation care among veteran residents in community nursing homes. *Journal of Multidisciplinary Healthcare*. 10:75-85. (PMID: 28280351)
44. Rosenthal LS, Salnikova YA, Pontone GM, Pantelyat A, Mills KA, Dorsey ER, Wang J, **Wu SS**, Mari A. (2017). Changes in verbal fluency in Parkinsons disease. *Movement Disorders Clinical Practice*. 84 - 89.
45. Nadeau SE, Dobkin B, **Wu SS**, Pei Q, Duncan PW; LEAPS Investigative Team. (2016). The effects of stroke type, locus, and extent on long-term outcome of gait rehabilitation: the LEAPS experience.. *Neurorehabil Neural Repair*. 30(7):615-25. (PMID: 26498434)

46. George SZ, **Wu SS**, Wallace MR, Moser MW, Wright TW, Farmer KW, Greenfield WH 3rd, Dai Y, Li H, Fillingim RB. (2016). Biopsychosocial influence on shoulder pain: Genetic and psychological combinations are predictive of 12 month post-operative pain and disability outcomes. *Arthritis Care Res.* 68(11):1671-1680. (PMID: 26945673)
47. Valiani V, Gao S, Chen Z, Swami S, Harle CA, Lipori G, Sourdets S, **Wu S**, Nayfield SG, Sabba C, Pahor M, Manini TM. (2016). In-hospital mobility variations across primary diagnoses among older adults. *J Am Med Dir Assoc.* 17(5):465.e1-8. (PMID: 26971132; PMC4842101)
48. Lentz TA, Beneciuk JM, Bialosky JE, Zeppieri G Jr, Dai Y, **Wu SS**, George SZ. (2016). Development of a yellow flag assessment tool for orthopaedic physical therapists: Results from the optimal screening for prediction of referral and outcome (OSPRO) cohort. *Journal of Orthopaedic & Sports Physical Therapy* 46(5):327-43. (PMID: 26999408)
49. Jia H, Pei Q, Sullivan CT, Cowper Ripley DC, **Wu SS**, Bates BE, Vogel WB, Bidelspach DE, Wang X, Hoffman N. (2016). Poststroke rehabilitation and restorative care utilization: a comparison between VA community living centers and VA-contracted community nursing homes. *Med Care* 54(3):235-42. (PMID: 26807537)
50. Liphart J, Gallichio J, Tilson JK, Pei Q, **Wu SS**, Duncan PW. (2016). Concordance and discordance between measured and perceived balance and the effect on gait speed and falls following stroke. *Clin Rehabil.* 30(3):294-302 (PMID: 25810385)
51. Anton SD, Woods AJ, Ashizawa T, Barb D, Buford TW, Carter CS, Clark DJ, Cohen RA, Corbett DB, Cruz-Almeida Y, Dotson V, Ebner N, Efron PA, Fillingim RB, Foster TC, Gundermann DM, Joseph AM, Karabetian C, Leeuwenburgh C, Manini TM, Marsiske M, Mankowski RT, Mutchie HL, Perri MG, Ranka S, Rashidi P, Sandesara B, Scarpace PJ, Sibille KT, Solberg LM, Someya S, Uphold C, Wohlgenuth S, **Wu SS**, Pahor M. (2015). Successful aging: Advancing the science of physical independence in older adults. *Ageing Res Rev.* 24(Pt B):304-27 (PMID: 26462882; PMC4661112)
52. Childs JD, **Wu SS**, Andrade RL, Bonner VE, Bowman JA, Butler AM, Teyhen DS, George SZ. (2015). Incremental effects of telephone call center and healthcare utilization database use to improve follow-up rate in the prevention of low back pain in the military trial. *The United States army medical department journal.* 24-30. (PMID: 26606405)
53. Akbar U, Dham B, He Y, Hack N, **Wu S**, Troche M, Tighe P, Nelson E, Friedman JH, Okun MS. (2015). Incidence and mortality trends of aspiration pneumonia in Parkinson's disease in the United States, 1979 – 2010. *Parkinsonism Relat Disord.* 21(9):1082-6. (PMID: 26154915)
54. Hassan A, **Wu SS**, Schmidt P, Simuni T, Giladi N, Miyasaki JM, Bloem BR, Malaty IA, Okun MS. (2015). The profile of long-term Parkinson's disease survivors with 20 years of disease duration and beyond. *J Parkinsons Dis.* 5(2):313-9. (PMID: 25720446)
55. Buford TW, Fillingim RB, Manini TM, Sibille KT, Vincent KR, **Wu SS**. (2015). Kaatsu training to enhance physical function of older adults with knee osteoarthritis: Design of a randomized controlled trial. *Contemp Clin Trials.* 43:217-22. (PMID: 26111922; PMC4522335)

56. George SZ, Beneciuk JM, Bialosky JE, Lentz TA, Zeppieri G Jr, Pei Q, **Wu SS**. (2015). Development of a review-of-systems screening tool for orthopaedic physical therapists: results from the optimal screening for prediction of referral and outcome (OSPRO) cohort. *Journal of Orthopaedic & Sports Physical Therapy* 45(7):512-26. (PMID: 25996361)
57. Childs JD, Fritz JM, **Wu SS**, Flynn TW, Wainner RS, Robertson EK, Kim FS, George SZ. (2015). Implications of early and guideline adherent physical therapy for low back pain on utilization and costs. *BMC Health Serv Res.* 15:150. (PMID: 25880898; PMC4393575)
58. George SZ, Wallace MR, **Wu SS**, Moser MW, Wright TW, Farmer KW, Borsa PA, Parr JJ, Greenfield WH 3rd, Dai Y, Li H, Fillingim RB. (2015). Biopsychosocial influence on shoulder pain: risk subgroups translated across preclinical and clinical prospective cohorts. *Pain.* 156(1):148-56. (PMID: 25599310; PMC4801181)
59. Okun, MS, **Wu SS**, Fayad S, Ward H, Bowers D, Rosado C, Bowen L, Jacobson C, Butson C, Foote KD. (2014). Acute and chronic mood and apathy outcomes from a randomized study of unilateral STN and GPi DBS. *PLoS One.* 9(12):e114140. (PMID: 25469706)
60. Nadeau SE, Rose DK, Dobkin B, **Wu SS**, Dai YE, Schofield R, Duncan PW; The LEAPS Investigative Team. (2014). Likelihood of myocardial infarction during stroke rehabilitation preceded by cardiovascular screening and an exercise tolerance test: the Locomotor Experience Applied Post-Stroke (LEAPS) Trial. *Int J Stroke.* 9(8):1097-104. (PMID: 25156340)
61. Waid-Ebbs JK, Daly J, **Wu SS**, Berg WK, Bauer RM, Perlstein WM, Crosson B. (2014). Response to goal management training in veterans with blast-related mild traumatic brain injury. *J Rehabil Res Dev.* 51(10):1555-66. (PMID: 25860148)
62. Okun, MS, **Wu SS**, Jennings D, Marek K, Rodriguez RL, Fernandez HH. (2014). Testosterone level and the effect of levodopa and agonists in early Parkinson disease: results from the INSPECT cohort. *Journal of Clinical Movement Disorders.* 1:8.
63. Valencia C, Fillingim RB, Bishop M, **Wu SS**, Wright TW, Moser M, Farmer K, George SZ. (2014). Investigation of central pain processing in post-operative shoulder pain and disability. *Clin J Pain.* 30(9):775-86. (PMID: 24042347)
64. George SZ, Parr JJ, Wallace MR, **Wu SS**, Borsa PA, Dai Y, Fillingim RB. (2014). Inflammatory genes and psychological factors predict induced shoulder pain phenotype. *Med Sci Sports Exerc.* 46(10):1871-81. (PMID: 24598699)
65. Nadeau SE, Davis SE, **Wu SS**, Dai Y, Richards LG. (2014). A pilot randomized controlled trial of d-cycloserine and distributed practice as adjuvants to constraint-induced movement therapy after stroke. *Neurorehabil Neural Repair.* 28(9): 885-95. (PMID: 24769437)
66. Bega D, **Wu SS**, Pei Q, Schmidt PN, Simuni T. (2014). Recognition and treatment of depressive symptoms in Parkinson's disease: the NPF dataset. *J Parkinsons Dis.* 4(4): 639 - 43. (PMID: 25035310)

67. Nadeau SE, Bowers D, Jones TL, **Wu SS**, Triggs WJ, Heilman KM. (2014). Cognitive effects of treatment of depression with repetitive transcranial magnetic stimulation. *Cogn Behav Neurol.* 27(2):77-87. (PMID: 24968008)
68. Dobkin BH, Nadeau SE, Behrman AL, **Wu SS**, Rose DK, Bowden M, Stidenski S, Lu X, Duncan PW. (2014). Prediction of responders to the interventions of the Locomotor Experience Applied Post Stroke trial. *Journal of Rehabilitation Research & Development.* 51(1):39-50. (PMID: 24805892)
69. Clark DJ, Reid KF, Patten C, Phillips EM, Ring SA, **Wu SS**, Fielding RA. (2014). Does quadriceps neuromuscular activation capability explain walking speed in older men and women? *Exp Gerontol.* 55: 49-53 (PMID: 24703887)
70. O'Dell M, Dunning K., Kluding P, **Wu SS**, Feld J, Ginosian J, McBride K. (2014). Response and prediction of improvement in gait speed from functional electrical stimulation in persons with poststroke drop foot. *PM&R.* 6(7): 587-601. (PMID:24412265)
71. George SZ, Parr J, Wallace MR, **Wu SS**, Borsa PA, Dai Y, Fillingim RB. (2014). Biopsychosocial influence on exercise-induced injury: genetic and psychological combinations are predictive of shoulder pain phenotypes. *J Pain.* 15(1):68-80. (PMID: 24373571)
72. Nutt JG, Siderowf AD, Guttman M, Schmidt PN, Zamudio JI, **Wu SS**, Okun MS, Simuni T, Parashos SA, Dahodwala NA, Davis TL, Giladi N, Gurevich T, Hauser RA, Jankovic J, Lyons KE, Marsh L, Miyasaki JM, Morgan JC, Santiago AJ, Tarsy D, Mari Z, Malaty IA, Nelson EC; National Parkinson Foundation Quality Improvement Initiative Investigators. (2014). Mobility, mood and site of care impact health related quality of life in Parkinson's disease. *Parkinsonism Relat Disord.* 20(3):274-9. (PMID: 24182524)
73. Barak S, **Wu SS**, Dai Y, Duncan PW, Behrman AL, for The LEAPS Investigative Team. (2014). Adherence to accelerometry measurement of community ambulation poststroke. *Physical Therapy.* 94(1):101-10. (PMID: 24029299)
74. Childs JD, **Wu SS**, Teyhen DS, Robinson ME, George SZ. (2014). Prevention of low back pain in the military cluster randomized trial: effects of brief psychosocial education on total and low back pain-related health care costs. *Spine J.* 14(4):571-83. (PMID: 23608562)
75. Nadeau SE, Lu X, Dobkin B, **Wu SS**, Dai YE, Duncan PW; LEAPS Investigative Team. (2014). A prospective test of the late effects of potentially antineuroplastic drugs in a stroke rehabilitation study. *Int J Stroke.* 9(4):449-56. (PMID: 23088350)
76. Hassan A, **Wu SS**, Schmidt P, Dai Y, Simuni T, Giladi N, Bloem BR, Malaty IA, Okun MS; NPF-QII Investigators. (2013). High rates and the risk factors for emergency room visits and hospitalization in Parkinson's disease. *Parkinsonism Relat Disord.* 19(11):949-54. (PMID: 23835430)
77. Rose DK, Behrman AL, Nadeau SE, Martin AD, Schofield RS, Tilson JK, Cen S, Lu X, **Wu SS**, Azen SP, Duncan PW, for The LEAPS Investigative Team. (2013). Does exercise tolerance testing at 60 days post-stroke predict rehabilitation performance? *Archives of Physical Medicine & Rehabilitation.* 94(7):1223-9. (PMID: 23548545)

78. Nadeau SE, **Wu SS**, Dobkin BH, Azen SP, Rose DK, Tilson JK, Cen SY, Duncan PW; LEAPS Investigative Team. (2013). Effects of task-specific and impairment-based training compared with usual care on functional walking ability after inpatient stroke rehabilitation: LEAPS Trial. *Neurorehabil Neural Repair*. 27(4):370-80. (PMID: 23504552)
79. Teyhen DS, Childs JD, Dugan JL, Wright AC, Sorge JA, Mello JL, Marmolejo MG, Taylor AY, **Wu SS**, George SZ.(2013). Effect of two different exercise regimens on trunk muscle morphometry and endurance in soldiers in training. *Physical Therapy*. 93(9). (PMID:23064733).
80. Kluding P, Dunning K., O'Dell M, **Wu SS**, Ginosian J, Feld J, McBride K. (2013). Foot drop stimulation versus ankle foot orthosis following stroke: 30 week outcomes. *Stroke*. 44:1660-1669. (PMID:23640829)
81. Bernal-Pacheco O, Oyama G, Foote K D, Dai Y, **Wu SS**, Jacobson CE, Limotai N, Zeilman PR, Romrell J, Hwynn N, Rodriguez RL, Malaty IA, Okun MS. (2013). Taking a Better History for Behavioral Issues Pre- and Post-DBS: Issues Missed by Standardized Scales. *Neuromodulation: Technology at the Neural Interface*. 16(1):35-9. (PMID:22748071).
82. Okun, MS, Foote KD, **Wu SS**, Ward HE, Bowers D, Rodriguez RL, Malaty IA, Goodman WK, Gilbert DM, Walker HC, Mink JW, Merritt S, Morishita T, Sanchez JC. (2013). A trial of scheduled deep brain stimulation for Tourette syndrome: moving away from continuous deep brain stimulation paradigms. *JAMA Neurology*. 70(1):85-94. (PMID:23044532).
83. Dunning K, O'Dell M, Kluding P, **Wu SS**, Feld J, Ginosian J, McBride K. (2013). The Functional Ambulation: Standard Treatment vs. Electrical Stimulation Therapy (FASTEST) Trial for Stroke: Study Design and Protocol. *Open Access Journal of Clinical Trials*. 3(5): 39-49.
84. Hassan A., **Wu SS**, Schmidt P, Malaty IA, Dai YF, Miyasaki JM, Okun MS. (2012). What are the issues facing Parkinson's disease patients at ten years of disease and beyond?: Data from the NPF-QII study. *Parkinsonism Relat Disord*. Suppl 3:S10-4. (PMID:22776044)
85. Corti M, McGuirk TE, **Wu SS**, Patten C. (2012). Differential Effects of Power Training Versus Functional Task Practice on Compensation and Restoration of Arm Function After Stroke. *Neurorehabilitation and Neural Repair*. 26(7):842-54. (PMID:22357633)
86. Oyama G, Foote KD, Jacobson CE 4th, Velez-Lago F, Go C, Limotai N, Zeilman PR, Romrell J, **Wu SS**, Neal D, Okun MS. (2012). GPi and STN deep brain stimulation can suppress dyskinesia in Parkinson's disease. *Parkinsonism Relat Disord*. 18(7):814-8. (PMID:22525365)
87. George SZ, Childs JD, Teyhen DS, **Wu SS**, Wright AC, Dugan JL, Robinson ME. (2012). Predictors of occurrence and severity of first time low back pain episodes: findings from a military inception cohort. *PLoS One*. 7(2):e30597. (PMID:22355317)
88. Tilson JK, **Wu SS**, Cen SY, Feng Q, Rose DR, Behrman AL, Azen SP, Duncan PW, for The LEAPS Investigative Team. (2012). Characterizing and identifying risk for



- falls in the leaps study: a randomized clinical trial of interventions to improve walking post-stroke. *Stroke*. 43(2): 446-52. (PMID:22246687)
89. Day KV, Kautz SA, **Wu SS**, Suter SP, Behrman AL. (2012). Foot placement variability as a walking balance mechanism post-spinal cord injury. *Clinical Biomechanics*. 27(2): 145-50.(PMID:22000699)
90. Velez-Lago F, Oyama G, Foote KD, Hwynn N, Zeilman P, Jacobson CE, **Wu SS**, Okun MS. (2011). Low frequency deep brain stimulation for dystonia: lower is not always better. *Tremor and Other Hyperkinetic Disorders*. 1: <http://tremorjournal.org/article/view/55>
91. Hwynn N, Ua, IU, Malaty IA, Resnick AS, Dai Y, Fernandez HH, **Wu SS**, Oyama G, Jacobson,CE, Okun MS. (2011). Effect of Deep Brain Stimulation on Parkinson's Nonmotor Symptoms following Unilateral DBS: A Pilot Study. *Parkinson's Disease* 2011: 507416. (PMID:22220288)
92. George SZ, Childs JD, Teyhen DS, **Wu SS**, Wright AC, Dugan JL, Robinson ME. (2011). Brief psychosocial education, not core stabilization, reduced incidence of low back pain: results from the Prevention of Low Back Pain in the Military (POLM) cluster randomized trial. *BMC Med*. 9(1):128. (PMID:22126534)
93. Shemisa K, Hass CJ, Foote KD, Okun MS, **Wu SS**, Jacobson CE, Dai Y, Oyama G, Fernandez HH. (2011). Unilateral deep brain stimulation surgery in Parkinson's disease improves ipsilateral symptoms regardless of laterality. *Parkinsonism Relat Disord*. 17(10):745-8. (PMID:21856205)
94. Hwynn N, Uaq IU, Malaty I, Resnick AS, Okun MS, Carew D, Oyama G, Dai Y, **Wu SS**, Rodriguez RL, Jacobson CE, Fernandez HH. (2011). The frequency of non-motor symptoms among advanced parkinson patients may depend on instrument used for assessment. *Parkinson's Disease*. 2011:290195. (PMID:21808724).
95. Childs JD, Teyhen DS, Van Wyngaarden JJ, Dougherty BF, Ladislas BJ, Helton GL, Robinson ME, **Wu SS**, George SZ. (2011). Predictors of web-based follow-up response in the Prevention Of Low Back Pain In The Military Trial (POLM). *BMC Musculoskeletal Disord* 12:132. (PMID:21668961)
96. Hwynn N, Hass CJ, Zeilman P, Romrell J, Dai Y, **Wu SS**, Foote KD, Subramony SH, Oyama G, Velez-Lago F, Fernandez HH, Resnick AS, Malaty I, Okun MS (2011). Steady or not following thalamic deep brain stimulation for essential tremor. *Journal of Neurology*. 258(9):1643-8. (PMID:21442464)
97. Okun MS, **Wu SS**, Foote KD, Bowers D, Gogna S, Price C, Malaty I, Rodriguez RL, Jacobson CE, Ward H. (2011). Do stable patients with a premorbid depression history have a worse outcome after deep brain stimulation for Parkinson disease?. *Neurosurgery*. 69(2): 357-60. (PMID:21415789)
98. Haq IU, Foote KD, Goodman WG, **Wu SS**, Sudhyadhom A, Ricciuti N, Siddiqui MS, Bowers D, Jacobson CE, Ward H, Okun MS. (2011). Smile and laughter induction and intraoperative predictors of response to deep brain stimulation for obsessive compulsive disorder. *NeuroImage*. 54: 247-55. (PMID: 20226259)

99. Duncan PW, Sullivan KJ, Behrman AL, Azen SP, **Wu SS**, Nadeau SE, Dobkin BH, Rose DK, Tilson JK, Cen S, Hayden SK; for The LEAPS Investigative Team. (2011) Body-weight-supported treadmill rehabilitation after stroke. *New England Journal of Medicine*. 364(21):2026-2036. (PMID:21612471)
100. Sullivan KJ, Tilson JK, Cen SY, Rose DK, Hershberg J, Correa A, Gallichio J, McLeod M, Moore C, **Wu SS**, Duncan PW. (2011). Fugl-Meyer assessment of sensorimotor function after stroke, standardized training procedure for clinical practice and clinical trials. *Stroke*. 42(2): 427-32. (PMID:21164120)
101. Ried LD, Jia H, Feng H, Cameon R, Wang XP, Tueth M, **Wu SS**. (2011). Selective Serotonin reuptake inhibitor treatment and depression are associated with post-stroke mortality. *The Annals of Pharmacotherapy*. 45: 888-97. (PMID: 21750310)
102. Locke MC, **Wu SS**, Foote KD, Sassi M, Jacobson CE, Rodriguez RL, Fernandez HH, Okun MS. (2011). Weight changes in subthalamic nucleus vs globus pallidus internus deep brain stimulation: results from the COMPARE parkinson disease deep brain stimulation cohort. *Neurosurgery*. 68(5): 1233-8. (PMID: 21273927)
103. Jia H, Feng H, Wang X, **Wu SS**, Chumbler N. (2011) A longitudinal study of health service utilization for diabetes patients in a care coordination home-telehealth programme. *J Telemed Telecare*. 17: 123 - 126. (PMID: 21163812)
104. Hubbard Winkler SL, **Wu SS**, Vogel B, Cowper-Ripley DC, Reker DM, Fitzgerald SG, Mann WC, Hoenig H. (2011) Medical utilization and cost outcomes for veterans post-stroke who receive assistive technology devices from the Veterans Health Administration. *Journal of Rehabilitation Research and Development*. 48(2): 125-134. (PMID: 21480087)
105. Rose D, Paris T, Crews E, **Wu SS**, Sun A, Behrman AL, Duncan P. (2010). Feasibility and effectiveness of circuit training in acute stroke rehabilitation. *Neurorehabilitation and Neural Repair*. 25(2): 140-8. (PMID: 21051764)
106. Taba HA, **Wu SS**, Foote KD, Hass CJ, Fernandez HH, Malaty IA, Rodriguez RL, Dai Y, Zeilman PR, Jacobson CE, Okun MS. (2010). A closer look at choosing unilateral versus bilateral DBS: Results from the NIH COMPARE cohort. *Journal of Neurosurgery*. 113(6): 1224-9. (PMID: 20849215)
107. Childs JD, Teyhen DS, Casey PR, McCoy-Singh KA, Feldtmann AW, Wright AC, Dugan JL, **Wu SS**, George SZ. (2010). Effects of traditional sit-up training versus core stabilization exercises on short-term musculoskeletal injuries in US Army Soldiers: A randomized clinical trial. *Physical Therapy*. 90(10); 1404-12. (PMID: 20651013)
108. Harrison J, Kendall DL, Okun MS, **Wu SS**, Velozo CA, Fernandez HH, Spencer KA., Rosenbek JC. (2010). Speech motor program maintenance, but not switching, is enhanced by left-hemispheric deep brain DBS stimulation in Parkinson's disease. *International Journal of Speech-Language Pathology*. 12(5): 385-98.
109. Leibner J, Ramjit A, Sedig L, Dai Y, **Wu SS**, Jacobson C 4th, Okun MS, Rodriguez RL, Malaty IA, Fernandez HH. (2010). The impact of and the factors associated with drooling in Parkinson's disease. *Parkinsonism & Related Disorders*. 16(7): 475-7. (PMID: 20064737)

110. Jia H, Cowper DC, Chuang H, **Wu SS**, Vogel WB, Chen JG, Litt ER, Tang Y, Reker D. (2010). Stroke and preventable hospitalization: who is most at risk? *Federal Practitioner*. 14-20.
111. Bowen LN, Subramony SH, Cheng J, **Wu SS**, Okun MS. (2010) "Elementary My Dear Dr. Allen:" the case of barium toxicity and Pa Ping. *Neurology*. 74:1546-1549. (PMID: 20458073)
112. Sedig L, Leibner J, Ramjit AL, **Wu SS**, Dai Y, Okun MS, Rodriguez RL, Malaty IA, Fernandez HH. (2010). Is rhinorrhea an under-recognized intrinsic symptom of parkinson's disease? a prospective pilot Study. *The International Journal of Neuroscience*. 120(4):258-60. (PMID: 20374072)
113. Morishita T, Foote KD, **Wu SS**, Jacobson CE, Rodriguez RL, Haq IU, Siddiqui MS, Malaty IA, Hass CJ, Okun MS. (2010). Brain penetration effects of microelectrodes and DBS leads in ventral intermediate nucleus (Vim). *Journal of Neurosurgery*. 112(3):491-6. (PMID: 19663554)
114. Goodman WK, Foote KD, Greenberg BD, Ricciuti N, Bauer R, Ward H, Shapira NA, **Wu SS**, Hill CL, Rasmussen SA, Okun MS. (2010). Deep brain stimulation for intractable obsessive compulsive disorder: pilot study using a blinded, staggered-onset design. *Biological Psychiatry*. 67(6):535-42. (PMID: 20116047)
115. Ramjit AL, Sedig L, Leibner J, **Wu SS**, Dai Y, Okun MS, Rodriguez RL, Malaty IA, Fernandez HH. (2010). The relationship between anosmia, constipation, and orthostasis and parkinson's disease duration: Results of a pilot study. *International Journal of Neuroscience*. 120(1):67-70. (PMID: 20128674)
116. Hubbard Winkler SL, Cowper Ripley DC, **Wu SS**, Reker DM, Vogel B, Fitzgerald SG, Mann WC, Hoenig H. (2010). Demographic and clinical variation in veterans health administration provision of assistive technology devices to veterans post stroke. *Arch Phys Med Rehabil*. 91: 369-77. (PMID: 20298826)
117. Susatia F, Malaty IA, Foote KD, **Wu SS**, Zeilman PR, Mishra M, Rodriguez RL, Haq Iu, Jacobson CE, Sun A, Okun MS. (2010). An evaluation of rating scales utilized for deep brain stimulation for dystonia. *Journal of Neurology*. 257(1):44-58. (PMID: 19639382)
118. Fernandez HH, Okun MS, Rodriguez RL, Malaty IA, Romrell J, Sun A, **Wu SS**, Pillarisetty S, Nyathappa A, Eisenschenk S. (2009). Quetiapine improves visual hallucinations in parkinson disease but not through normalization of sleep architecture: results from a double-blind clinical-polysomnography study. *International Journal of Neuroscience*. 119(12):2196-205.
119. Cowper-Ripley DC, Reker DN, Vogel BW, **Wu SS**, Beyth RJ, Sigford BJ, Litt ER, Wang X. (2009). Geographic access to VHA rehabilitation for traumatic injured OEF/OIF veterans. *Federal Practitioner*. 28(10):28-39.
120. George SZ, Teyhen DS, **Wu SS**, Wright AC, Dugan JL, Yang G, Robinson ME, Childs JD. (2009). Psychosocial education improves low back pain beliefs: results from a cluster randomized clinical trial (NCT00373009) in a primary prevention setting. *Eur Spine J*. 18(7):1050-8.

121. Hubbard Winkler SL, Vogel B, Hoenig H, Cowper-Ripley DC, **Wu SS**, Fitzgerald SG, Mann WC, Reker DM. (2009). Cost, utilization, and policy of provision of assistive technology devices to veterans post-stroke by the VA and Medicare. *Medical Care*. 47(12).
122. Plowman-Prine EK, Sapienza CM, Okun MS, Pollock SL, Jacobson C, **Wu SS**, Rosenbek JC. (2009). The Relationship between quality of life and swallowing in parkinson's disease. *Movement Disorders*. 24(9):1352-8.
123. Jia H, Chuang H, **Wu SS**, Wang X, Chumbler NR. (2009). Long-term impact of home telehealth service on preventable hospitalization use. *Journal of Rehabilitation Research & Development*. 46:557-566.
124. Zahodne LB, Okun MS, Foote KD, Fernandez HH, Rodriguez RL, **Wu SS**, Kirsch-Darrow L, Jacobson CE, Rosado C, Bowers D. (2009). Greater improvement in quality of life following unilateral deep brain stimulation surgery in the globus pallidus as compared to the subthalamic nucleus. *Journal of Neurology*. 256:1321-29.
125. Robinson ME, Teyhen DS, **Wu SS**, Dugan JL, Wright AC, Yang G, Childs JD, George SZ. (2009). Mental health symptoms in combat medic training: a longitudinal examination. *Military Medicine*. 174(6): 572-577.
126. Okun MS, Fernandez HH, **Wu SS**, Kirsh-Darrow L, Bowers D, Suelter M, Jacobson CC, Wang X, Gordon CW, Zeilman P, Romrell J, Martin P, Rodriguez RL, Foote kD. (2009). Cognition and mood in parkinson disease STN versus GPi DBS. The COMPARE Trial. *Annals of Neurology*. 65: 586-595.
127. Gonzalez-Rothi LJ, Fuller R, Leon SA, Kendall D, Moore A, **Wu SS**, Crosson B, Heilman KM, Nadeau S. (2009). Errorless practice as a possible adjuvant to donepezil in Alzheimer's disease. *Journal of the International Neuropsychological Society*. 15 (2): 311-322.
128. Chumbler NR, Chuang HC, **Wu SS**, Wang X, Kobb, R, Haggstrom DH, Jia H. (2009). Mortality risk for diabetes patients in a care coordination, home-telehealth program. *Journal of Telemedicine and Telecare*. 15: 98-101.
129. Jone, HN, Shrivastav R, **Wu SS**, Plowman-Prine EK, Rosenbek JC. (2009). Intensity and fundamental frequency variability before and after two behavioral treatments for aprosodia. *Journal of Medical Speech-Language Pathology*. 17: 45-53.
130. Chumbler NR, Rittman MR, **Wu SS** (2008). Changes in sense of coherence and depression in ethnically diverse caregivers of stroke survivors across two years. *Journal of Behavioral Health Services and Research*. 35(2):226-34.
131. Zhang Y, Lin N, Carroll PM, Chan G, Guan B, Xiao H, Yao B, **Wu SS**, Zhou L. (2008). Epigenetic blocking of an enhancer region controls irradiation-induced pro-apoptotic gene expression in *Drosophila* embryos. *Developmental Cell*. 14(4):481-93.
132. Mann WC, Johnson JL, Lynch LG, Justiss MD, Tomita MR, **Wu SS** (2008). Changes in impairment level, functional status, and use of assistive devices by older people with depressive symptoms. *American Journal of Occupational Therapy*. 62(1):9-17.
133. Phadke CP, **Wu SS**, Thompson FJ, Behrman AL. (2007). Comparison of soleus H-reflex modulation post-incomplete spinal cord injury in two walking environments:

- treadmill with body weight support and overground archives of physical medicine and rehabilitation. *Archives of Physical Medicine and Rehabilitation*. 88(12):1606-13.
134. Duncan PW, Sullivan KJ, Behrman AL, Azen SP, **Wu SS**, Nadeau SE, Dobkin BH, Rose DK, Tilson JK. (2007). Protocol for the Locomotor Experience Applied Post-stroke (LEAPS) trial: A randomized controlled trial. *BMC Neurology*. 7:39. (PMID: 1799605)
  135. George SZ, Childs JD, Teyhen DS, **Wu SS**, Wright AC, Dugan JL, Robinson ME. (2007). Rationale, design, and protocol for the Prevention of Low Back Pain in the Military (POLM) trial (NCT00373009) *BMC Musculoskeletal Disorders*. 8:92.
  136. Malcolm MP, Triggs WJ, Light KE, Rothi LJ, **Wu SS**, Reid K, Nadeau SE. (2007). Repetitive transcranial magnetic stimulation as an adjunct to constraint-induced therapy: an exploratory randomized controlled trial. *American Journal of Physical Medicine and Rehabilitation*. 86(9):707-715.
  137. Levy CE, Giuffrida C, Richards L, **Wu SS**, Davis S, Nadeau SE. (2007). Botulinum Toxin A, evidence-based exercise therapy, and constraint-induced movement therapy for upper limb hemiparesis due to stroke: a preliminary study. *American Journal of Physical Medicine and Rehabilitation*. 86(9):696-706.
  138. Schmid A, Duncan PW, Studenski S, Lai SM, Richards L, Perera S, **Wu SS** (2007). Improvements in speed-based gait classifications are meaningful. *Stroke*. 38: 2096-2100.
  139. Jia H, Uphold CR, Zheng Y, **Wu SS**, Chen JG, Findley K, Duncan PW. (2007). A further investigation of health-related quality of life over time among men with HIV infection in the HAART era. *Quality of Life Research*. 16:961-968.
  140. Jia, H., Zheng, Y. E., Reker, D. M., Cowper, D., C., **Wu, S. S.**, Vogel, B. W., Young, G. C., Duncan, P. W. (2007). Multiple system utilization and mortality for veterans with stroke. *Stroke*. 38(2):355-60.
  141. Okun MS, Fernande, HH, Rodriguez RL, Romrell J, Suelter M, Munson S, Louis ED, Mulligan T, Foster PS, Shenal B, Armaghani SJ, **Wu SS**, Crucian G. (2006). Testosterone replacement therapy in men with parkinson's disease: results of the TEST-PD study. *Archives of Neurology*. 63(5):729-35.
  142. Richards L, Gonzalez-Rothi LJ, Davis S, **Wu SS**, Nadeau SE. (2006). Limited dose response to constraint-induced movement therapy in patients with chronic stroke. *Clinical Rehabilitation*. 20: 1066-1074.
  143. Phadke CP, **Wu SS**, Thompson FJ, Behrman AL. (2006). Soleus H-reflex modulation in response to change in percentage of leg loading in standing after incomplete spinal cord injury. *Neuroscience Letters*. 403(1-2):6-10
  144. Jia H, Zheng YE, Cowper DC, **Wu SS**, Vogel BW, Duncan P, Reker D. (2006). How veterans use stroke services in the VA and beyond. *Federal Practitioner*. 23(6):21-24.
  145. Jia H, Zheng YE, Cowper DC, Stansbury JP, **Wu SS**, Vogel BW, Duncan PW, Reker D. (2006). Race/Ethnicity: who is counting what?" *Journal of Rehabilitation Research & Development*. 43(4):475-484.

146. Nadeau S, **Wu SS**. (2006). CIMT as a behavioral engine in research on physiological adjuvants to neurorehabilitation: The challenge of merging animal and human research. *Neurorehabilitation*. 21:107-130.
147. Morse SB, **Wu SS**, Ma CX, Ariet M, Resnick MB, Roth J. (2006). Racial and gender differences in the viability of extremely low birth weight infants. *Pediatrics Electronic Pages*. 117: 106-112.
148. Mann WC, McCarthy DP, **Wu SS**, Tomita M. (2005). Relationship of health status, functional status, and psychosocial status to driving among the elderly with disabilities. *Physical & Occupational Therapy in Geriatrics*. 23(2): 1-24.
149. Mann WC, Kimble C, Justiss MD, Casson E, Tomita, MR, **Wu SS** (2005). Problems with dressing in the frail elderly. *Am J of Occupational Therapy*. 59(4): 398-408.
150. Jia H, Uphold CR, **Wu SS**, Chen GJ, Duncan PW. (2005). Predictors of changes in health-related quality of life among men with HIV infection in the HAART era. *AIDS Patient Care and STDs*. 19(6): 395-405.
151. Nadeau S, Behrman A, Davis S, Reid K, **Wu SS**, Stidham B, Helms K, Rothi L. (2004). Donepezil as an adjuvant to constraint induced therapy for upper extremity dysfunction after stroke. *Journal of Rehabilitation Research & Development*. 41(4): 525-534.
152. He Z, Cui L, **Wu SS**, Li XY, Simpkins JW, Day AL, McKinney M. (2004). Increased severity of acute cerebral ischemic injury correlates with enhanced stem cell induction as well as with predictive behavioral profiling. *Current Neurovascular Research*. Vol 1, 399-409.
153. **Wu SS**, Ma C, Carter RL, Ariet M, Feaver E, Resnick MB, Roth J. (2004). Risk factors of infant maltreatment: A population-based study. *Child Abuse and Neglect*. Vol 28(12), 1253-1264.
154. Classen S, Mann WC, **Wu SS**, and Tomita MR. (2004). Relationship of number of medications to health, functional status and quality of life for the frail elderly. *Occupational Therapy Journal of Research*. 24, 151-160.
155. Chumbler NR, Mann WC, **Wu SS**, Schmid A, and Kobb,R. (2004). The association of home-telehealth use and care coordination on the improvement of functional and cognitive status in frail elderly men. *Telemedicine Journal And E-Health*. 10: 129-137.
156. Jia C, Uphold CR, Findley K, **Wu SS**, Reid K, Duncan PW. (2004). Health related quality of life in veterans living with hiv: the role of coping, social support, and depression. *AIDS Patient Care and STDs*. 18(10).
157. Kou ZC, Puhr JS, **Wu SS**, Goodenow MM, Sleasman JW. (2003). Combination antiretroviral therapy results in a rapid increase in T cell receptor variable region b repertoire diversity within CD45RA CD8 T cells in human immunodeficiency virusinfected children. *The Journal of Infectious Diseases*. Vol. 187:385-397.
158. Shenkman E, **Wu SS**, Nackashi J, Sherman J. (2003). Managed care organizational characteristics and health care use among children with special health care needs. *Health Services Research*. Vol. 38: 1599-1624.

159. Yang SH, Liu R, **Wu SS**, Simpkins JW. (2003). The use of estrogens and related compounds in the treatment of damage from cerebral ischemia. *The Annals of the New York Academy of Sciences*. Vol. 1007: 101-107.
160. Liu R, Yang S, Perez E, Yi S, **Wu SS**, Eberst K, Prokai L, Yun Z, Covey DF, Day AL, Simpkins JW. (2002). Neuroprotective effects of a novel non-receptor binding estrogen analogue: in vitro and in vivo analysis. *Stroke*. Vol. 33: 2485-2491.
161. Yang MCK, Ruan, QG, Yang JJ, Eckenrode S, **Wu SS**, McIndoe RA, She JX. (2001). A statistical procedure for flagging weak spots greatly improves normalization and ratio estimates in microarray experiments. *Physiology Genomics*. 7(1): 45-53.
162. Yang S, He Z, **Wu SS**, He Y, Cutright J, Millard WJ, Day AL, Simpkins JW. (2001).  $17 - \beta$  estradiol can reduce secondary ischemic damage and mortality of subarachnoid hemorrhage. *J. of Cerebral Blood Flow and Metabolism*. Vol. 21, No.2: 174–181.

### Book Chapters

**Wu SS**, Shen ZM, Yang MCK. (2003) Optimal Adaptive Target Shooting with Imperfect Feedback Systems. *Cooperative Control: : Models, Applications and Algorithms*, edited by Butenko, S., Murphey, R., and Pardalos, P. 349:364.

### Other Publications

1. George SZ, Childs JD, Teyhen DS, **Wu SS**, Wright AC, Dugan JL, Robinson ME. Rationale, design, and protocol for the prevention of low back pain in the military (polm) trial (NCT00373009). *Proceedings of the 10th Annual Force Health Protection Conference*.
2. **Wu SS**, Yang MCK. (2005). Some improved tests using pilot study information. *Proceedings of the 2005 Joint Statistical Meetings; Biopharmaceutical Section*.
3. Annis DH, **Wu SS**. (2005). Some properties of playoff systems for NCAA I-A football. *Proceedings of the 2005 Joint Statistical Meetings; Section on Statistics in Sports*.
4. Ma CX, **Wu SS**, Carter R, Roth J, Ariet M, Feaver E, Resnick M. (2003), *Correlations between maternal and infant risk factors and preschool child maltreatment*, Report to Agency for Health Care Administration.
5. Roth J, Cui W, **Wu SS**, Ma C, Ariet M, Resnick MB, Morse SB. (2003). Birth medical risk, infant mortality, and preschool morbidity. *Pediatric Research*, 51(4), Suppl. Part 2 of 2:458A.
6. Roth J, **Wu SS**, Ma C, Carter RL, Ariet M, Feaver E, Resnick MB. (2002). Risk factors of infant maltreatment: A population-based study. *Journal of Investigative Medicine*, 50(1), 139A.
7. Casella G., Wu RL, **Wu SS**, Weidman ST. (2002). *Making sense of complexity: summary of the workshop on dynamical modeling of complex biomedical systems*. National Academy Press, Washington, D.C.

8. **Wu SS**, Ma CX, Carter R, Ariet M, Roth J, Feaver E, Resnick MB. (2002). *Predictors of Preschool Child Maltreatment*, Report to Medicaid Program Office of Florida Agency for Health Care Administration, Florida Department of Health; and Florida Department of Children and Families.
9. **Wu SS**, Yang J, Ma CX, Carter R, Ariet M, Roth J, Feaver,E, Resnick MB. (2002), *Impact of Medicaid Managed Care on Pregnancy Outcomes*, Report to Medicaid Program Office of Florida Agency for Health Care Administration, Florida Department of Health.
10. Wu RL, **Wu SS**, Casella G. (2002). Statistical methodologies for linkage mapping in polyploids. *The Proceedings of International Conference on Plant, Animal & Microbe Genome X*.
11. **Wu SS**, Ma CX, Chen H, Carter R, Ariet M, Roth J, Scott S, Feaver E, Resnick MB. (2001). *Analysis of Infant Abuse and Neglect*, Report to Children's Medical Services, the Department of Health, and the Agency for Health Care Administration.
12. **Wu SS**, Chen H, Ma CX, Carter R, Ariet M, Roth J, Scott S, Feaver E, Resnick MB. (2001), *Impact of Medicaid Managed Care on Pregnancy Outcomes*, Report to Agency for Health Care Administration.
13. Roth J, **Wu SS**, Carter R, Ariet M, Ross N, Resnick MB. Impact of Medicaid managed care and WIC participation on infant birth outcomes. *Pediatric Research*. 2000;47(4) Suppl. Part 2 of 2:222A.
14. **Wu SS**, Rao PV, and Raychaudhuri A. (2000). Estimating Optimal Weights for a Class of Rank Tests for Censored Bivariate Data. *Proceedings from the 2000 Joint Statistical Meetings in Indianapolis, IN, and other 2000 Statistical Meetings*.
15. **Wu SS**, and Wells MT. (1999). Nonparametric Estimation of Hazard Functions by Wavelet Methods. *Proceedings from the 1999 Joint Statistical Meetings in Baltimore, MD, and other 1999 Statistical Meetings*.

## Work In Progress

### [A. Papers under Review]

## Presentations at Professional Conferences and Meetings

### [A. Presentations at International Conferences]

1. **Wu SS**. "New Data Collection Methods with Privacy Protection." *Sixth Annual International Symposium on the Evaluation of Clinical Trials (Methodologies and Applications)*, Beijing, China. July 11 - 12, 2015.
2. **Wu SS**. "Lessons Learned from LEAPS." *Society for Clinical Trials 36th Annual Meeting*, Arlington, Virginia, May 19, 2015. (Invited)
3. **Wu SS**. "New data collection methods with privacy protection." *The 15th National Statistical Science Symposium for Young Researchers*, Tianjin, PR China, September 27, 2014. (Invited)



4. **Wu SS.** “New data collection methods with privacy protection.” *The 4th International Biostatistics workshop of Jilin University*, Jilin, PR China, June 5, 2014. (Invited)
5. **Wu SS.** “What is statistics - how to grow the statistics profession in China?” *The 4th China Statistics Annual Conference*, Kunming, PR China. October 26-28, 2012. (Invited)
6. **Wu SS, He Y, Tu Y.** “Testing for efficacy in adaptive clinical trials with enrichments.” *Second Joint Biostatistics Symposium*, Beijing, PR China. July 8-9, 2012.
7. **Wu SS, Neal D, Jones T, Ginosian, J.** “A Comparison of Covariate-Adaptive Randomization Procedures in Clinical Trials.” *Fourth Annual International Symposium on the Evaluation of Clinical Trials Methodologies and Applications*, Beijing, PR China. June 30 - July 3, 2011.
8. **Wu SS.** “Two statistical applications.” *The 3rd China Statistics Annual Conference*, Wuhan, PR China, October 29-31, 2010. (Invited)
9. **Wu SS, Mark YCK.** “An improved double-elimination tournament with application to the fifa world cup.” *Adaptive Design And Multiple Comparison Procedures Workshop*, Coventry, UK, July 2-3, 2009.
10. **Wu SS.** “Seamless phase II/III clinical trials using the likelihood approach.” *The International Society for Biopharmaceutical Statistics (ISBS) First International Symposium on Biopharmaceutical Statistics*, Shanghai, PR China, June 30 - July 2, 2008.
11. **Wu SS, Wang WZ.** “Step-up tests for number of active effects in orthogonal saturated designs.” *IMS-China International Conference on Statistics and Probability*, Hangzhou, China, June 11-13, 2008.
12. **Wu SS, Wang WZ, Annis DH.** “On identification of inferior treatments using the Newman-Keuls procedure.” *The 5th International Conference on Multiple Comparison Procedures*, Vienna, Austria, July 8-11, 2007.
13. **Wu SS.** “Adaptive designs in clinical trials.” *The 1st China Statistics Annual Conference*, Tianjin, PR China. October 20-22, 2006. (Invited)
14. **Wu SS, Mark YCK, Annis DH.** “Improved designs for world cup and college football.” *2006 International Conference on Design of Experiments and Its Applications*, Tianjin, PR China. July 9-12, 2006. (Invited)
15. Wang WZ, **Wu SS.** “New results for stepwise tests in orthogonal saturated designs.” *2006 International Conference on Design of Experiments and Its Applications*, Tianjin, PR China. July 9-12, 2006. (Invited)
16. **Wu SS, Wang WZ.** “Step-up simultaneous tests in orthogonal saturated design.” *The 4th International Conference on Multiple Comparison Procedures*, Shanghai, PR China, August 17-19, 2005.
17. **Wu SS.** “Univariate Test and Multivariate Analysis.” *International Workshop on Information Theory and Information Science*, Tianjin, PR China, November 10, 2003. (Invited)

**[B. Presentations at National Conferences]**

18. **Wu SS**, Bhattacharjee A. "Identifying Main Effects in Multi Factor Clinical Trials." *ICSA Applied Statistics Symposium*, Atlanta, GA, June 12 - 15, 2016. (Invited)
19. **Wu SS**, Lu X, He Y. "Interval Estimation in Multi-stage Drop-the-losers Designs." *ICSA Applied Statistics Symposium*, Atlanta, GA, June 12 - 15, 2016. (Invited)
20. **Wu SS**, Lu X, Kairalla J, Zeng H. "Graphical Approach to Multiple Test Procedures in 2 by 2 Factorial Designs." *ICSA Applied Statistics Symposium*, Atlanta, GA, June 12 - 15, 2016. (Invited)
21. **Wu SS**. "Privacy-preserving Data Collection Techniques for Clinical Trials." *2014 IMPACT Symposium III*, Cary, NC, November 20, 2014.
22. **Wu SS**. "New data collection methods with privacy protection." *The Joint Statistical Meeting*, Boston, MA, August 5, 2014.
23. **Wu SS**, He Y, Tu Y. "Testing for efficacy in adaptive clinical trials with enrichments." *The Joint Statistical Meeting*, San Diego, CA, July 28 - August 2, 2012.
24. **Wu SS**. "Interval estimation for drop-the-losers designs." *WNAR Annual Meeting*, San Luis Obispo, CA, June 20-22, 2011.
25. **Wu SS**, Neal D, Jones T, Ginosian J. "A comparison of covariate-adaptive randomization procedures in clinical trials." *The Joint Statistical Meeting*, Maimi Beach, FL, July 30 - August 4, 2011.
26. Neal D, Casella G, Yang MCK., **Wu SS**. "Interval estimation in drop-the-losers clinical trials with flexible treatment selection." *The Joint Statistical Meeting*, Vancouver, British Columbia, Canada, July 31 - August 5, 2010.
27. **Wu SS**, Wang, WZ. "Step-up tests for number of active effects in orthogonal saturated designs." *Joint Statistical Meeting*, Denver, Colorado, August 3-7, 2008.
28. **Wu SS**, Annis D. "Asymptotic efficiency of majority rule relative to rank sum method." *The Joint Statistical Meeting*, Seattle, WA, August 7-11, 2006.
29. Annis D, **Wu SS**. "Improved college football scheduling using a pseudo-swiss system." *The Joint Statistical Meeting*, Seattle, WA, August 7-11, 2006.
30. **Wu SS**, Mark YCK. "Shrinkage test and its applications in clinical trials." *ICSA 2006 Applied Statistics Symposium*, Storrs, CN, June 14-17. 2006. (Invited)
31. Annis DH, **Wu SS**. "Improved college football scheduling using a pseudo-swiss system." *ICSA 2006 Applied Statistics Symposium*, Storrs, CN, June 14-17. 2006. (Invited)
32. Mark YCK, **Wu SS**. "Improvements in design of FIFA world cup by double elimination schemes." *ICSA 2006 Applied Statistics Symposium*, Storrs, CN, June 14-17. 2006. (Invited)
33. **Wu SS**, Mark, Y. C. K. "Some improved tests using pilot study information." *The Joint Statistical Meeting*, Minneapolis, MN, August 7-11, 2005.
34. Annis D, **Wu SS**. "Some properties of playoff in NCAA I-A football." *The Joint Statistical Meeting*, Minneapolis, MN, August 7-11, 2005.

35. **Wu SS.** “Some new advances in multivariate analysis.” *The Joint Statistical Meeting* Toronto, Canada, August 7-12, 2004.
36. **Wu SS, Li H, Casella G.** “Some new results in multivariate analysis.” *International Biometric Society ENAR 2004 Spring Meeting*, Pittsburgh, PA, March 28-31, 2004.
37. **Wu SS, Vogel W, Reid K, Neugaard B, Cowper D, Côté M.** “Facility vs. Patient Effects on the Treatment Cost of Traumatic Brain Injury Patients in the VA Health System.” *VA Health Services Research and Development (HSR&D) National Meeting*, Washington, DC, Mar. 10, 2004. (Invited)
38. **Wu SS.** “A population based study of child maltreatment up to age four.” *The Eighth Annual Maternal and Child Health Epidemiology Conference*, Sheraton Sand Key, Clear Water Beach, FL, December 11-13, 2002.
39. **Wu SS, Mo S, Chen R, Yang MCK.** “Optimal Sequential Allocation with Imperfect Feedback Information.” *The Joint Statistical Meetings*, Atlanta, GA, August 5-9, 2001.
40. **Wu SS, Carter RL, Ariet M, Roth J, Resnick MB.** “Viability of Extreme Low Birth Weight Infants.” *The Sixth Annual Maternal and Child Health Epidemiology Conference*, Atlanta, GA, December 12-13, 2000.
41. **Wu SS, Raychaudhuri A, Rao PV.** “Optimal Weights for a Class of Rank Tests for Censored Bivariate Data.” *The Joint Statistical Meetings*, Indianapolis, IN, August 13-17, 2000. (Contributed.)
42. **Wu SS, Wells MT.** “Nonparametric Estimation of Hazard Functions by Wavelet Methods”, *The Joint Statistical Meetings*, Baltimore, MD, August 8-12, 1999.
43. **Wu SS.** “Nonparametric Estimation of Hazard Functions.” *The 4th North American Meeting of New Researchers*, Baltimore, MD, August 4-7, 1999.

#### [C. Presentations at Regional Conferences]

44. **Wu SS.** “Introduction to biostatistics and clinical trials.” *The 7th Symposium of Science, Engineering, and Biomedicine*, Jacksonville, FL, September 2 - 5, 2016. (Invited)
45. **Wu SS.** “Some new data collection techniques for preserving privacy.” *The 6th Symposium of Science, Engineering, and Biomedicine*, Daytona Beach Shores, FL, August 30, 2014. (Invited)
46. **Wu SS.** “New data collection methods with full privacy protection.” *The 2014 Florida Chapter of the American Statistical Association Annual Meeting*, Gainesville, FL, February 8, 2014.
47. **Wu SS, He Y, Tu Y.** “Testing for efficacy in adaptive clinical trials with enrichments.” *The 5th Symposium of Science, Engineering, and Biomedicine*, Sarasota, FL, August 31 - September 3, 2012. (Invited)
48. **Wu SS.** “Two statistical applications.” *The 4th Symposium of Science, Engineering, and Biomedicine*, Lake Buena Vista, FL, September 3-6, 2010. (Invited)
49. **Wu SS.** “Adaptive designs in clinical trials.” *The 3rd Symposium of Science, Engineering, and Biomedicine*, Amelia Island, FL, August 30 - September 1, 2008. (Invited)

50. **Wu SS**, Mark, Y. C. K. "Some improved tests using pilot study information." *The 2nd Symposium of Science, Engineering and Biomedicine*, Clear Water, FL, September 2-5, 2005. (Invited)
51. **Wu SS**. "Nonparametric tests for umbrella alternatives." *Nonparametric statistics research conference*, Tallahassee, FL, January 17-18, 2003.
52. **Wu SS**, Shen Z, Mo S, Chen R, Yang MCK. "Optimal Sequential Allocation with Imperfect Feedback Information." *Conference on Cooperative Control and Optimization*, FL, November 12-14, 2001. (Invited)
53. **Wu SS**, Carter RL, Ariet M, Roth J, Resnick MB. "Birth Weight by Gestation Norms for Singleton Births in Florida." *The 6th Annual Florida Epidemiology Meeting*, August 2-4, 2000.
54. **Wu SS**, Carter RL, Ariet M, Roth J, Resnick MB. "Survival Probability for Extremely Low Birth Weight Infants." *The Annual Florida Epidemiology Meeting*, Miami, FL, July 28-30, 1999.

#### **[D. Presentations at Academic Institutions]**

55. **Wu SS**. "New data collection methods with privacy protection." *Department of Mathematics, Clarkson University, Potsdam, NY*. October 20, 2016. (Invited)
56. **Wu SS**. "Statistical inference for 2 by 2 factorial designs." *The Institute of Statistics and Big Data, Renmin University, Beijing, China*. January 4, 2016. (Invited)
57. **Wu SS**. "New Data Collection Methods with Privacy Protection." *Nankai Distinguished Alumni Symposium, Tianjin, China*. July 8, 2015. (Invited)
58. **Wu SS**. "Statistical Opportunities and Challenges in Big Data Era." *Statistics Research Center, the Chinese Academy of Sciences, Beijing, China*. March 6, 2015. (Invited)
59. **Wu SS**. "New data collection methods with privacy protection." *Department of Statistics, Kansas State University, Manhattan, KS*. November 6, 2014. (Invited)
60. **Wu SS**. "New data collection methods with privacy protection." *Department of Mathematics, Zhejiang University, Hangzhou, PR China*, September 29, 2014. (Invited)
61. **Wu SS**. "Statistical opportunities and challenges in big data era." *Department of Statistics, Tianjin University of Finance and Economics, Tianjin, PR China*, June 12, 2014. (Invited)
62. **Wu SS**. "New data collection methods with full privacy protection." *Department of Statistics, Tianjin University of Finance and Economics, Tianjin, PR China*, December 24, 2013. (Invited)
63. **Wu SS**. "New methods to cut clinical trial costs and protect patient privacy." *Department of Statistics, Tianjin University of Finance and Economics, Tianjin, PR China*, July 25, 2013. (Invited)
64. **Wu SS**. "New methods to cut clinical trial costs and protect patient privacy." *Division of Biostatistics, The University of Texas School of Public Health Houston, Texas*, May 15, 2013. (Invited)

65. **Wu SS.** “New statistical opportunities with big data and fast computing.” *Department of Statistics, National Cheng Kung University*, December 27, 2012. (Invited)
66. **Wu SS.** “New statistical opportunities with big data and fast computing.” *Department of Statistics, Central University of Finance and Economics*, December 23, 2012. (Invited)
67. **Wu SS.** “Some statistical applications in US daily life.” *Department of Statistics, Tianjin University of Finance and Economics*, Tianjin, PR China, December 21, 2012. (Invited)
68. **Wu SS.** “A case study with emphasis on interaction with FDA.” *Department of Statistics, Tianjin University of Finance and Economics*, Tianjin, PR China, July 1, 2012. (Invited)
69. **Wu SS.** “Some statistical issues in adaptive clinical trials.” *Department of Statistics, National Cheng Kung University*, December 22, 2011. (Invited)
70. **Wu SS.** “Some statistical issues in adaptive clinical trials.” *Department of Statistics, Tianjin University of Finance and Economics*, Tianjin, PR China, November 7, 2011. (Invited)
71. **Wu SS.** “Interval estimation for drop-the-losers designs.” *Department of Statistics, National Cheng Kung University*, December 22, 2009. (Invited)
72. **Wu SS.** “Interval estimation for drop-the-losers designs.” *Department of Statistics, University of Florida*, Gainesville, FL, November 19, 2009.
73. **Wu SS.** “Interval estimation for drop-the-losers designs.” *Department of Statistics, Shanghai University of Finance and Economics*, Shanghai, PR China, May 19, 2009. (Invited)
74. **Wu SS, Wan, WZ.** “Step-up tests for number of active effects in orthogonal saturated designs.” *Department of Statistics, Tianjin University of Finance and Economics*, Tianjin, PR China, June, 2008. (Invited)
75. **Wu SS, Wang, W. Z.** “Step-up tests for number of active effects in orthogonal saturated designs.” *Department of Statistics, Operation and Management Science, University of Tennessee*, Knoxville, TN, February 29, 2008
76. **Wu SS, Wang WZ.** “Improved designs for world cup and college football.” *Department of Statistics, Operation and Management Science, University of Tennessee*, Knoxville, TN, February 28, 2008
77. **Wu SS.** “Rating Teams and Scheduling Games.” *Department of Statistics Student seminar, University of Florida*, April 5, 2005.
78. **Wu SS.** “Combination of t-tests vs.  $T^2$  in Simultaneous Inference.” *Department of Statistics, University of Florida*, September 9, 2004.
79. **Wu SS.** “Univariate test and multivariate analysis.” *Department of Probability and Statistics, Beijing University*, Beijing, PR China, November 14, 2003. (Invited)
80. **Wu SS.** “Optimal Locations for VA Traumatic Brain Injury Treatment Centers.” *Department of Statistics, Tianjin University of Finance and Economics*, Tianjin, PR China, November 12, 2003. (Invited)

81. **Wu SS.** “Linkage analysis in autotetraploids.” *Department of Biostatistics, Roswell Park Cancer Institute*, Buffalo, NY, February 28, 2003. (Invited)
82. **Wu SS.** “Clustering and classification in microarray analysis.” *Workshop on Tools for Genomics & Proteomics Research*, Interdisciplinary Center for Biotechnology Research (ICBR), Gainesville, FL, February 1, 2002. (Invited)
83. **Wu SS.** “DNA Microarrays and Statistical Challenges.” *Department of Statistics, University of Florida*, January 24, 2002.
84. **Wu SS.** “Clustering and classification in microarray analysis.” *ICBR Workshop on Microarray Experiments*, Gainesville, FL, December 10, 2001. (Invited)
85. **Wu SS.** “Microarray Analysis and Statistical Challenges.” *Department of Mathematics, Wright State University, OH*, November 2, 2001. (Invited)
86. **Wu SS, Mo S, Chen R, Yang MCK.** “Optimal Sequential Allocation with Imperfect Feedback Information.” *The joint FSU-UF seminar*, November 17, 2000. (Invited)

### 3. TEACHING AND ADVISING

#### Formal Courses

Course Number	Course Title	Date
PHC 6063	Biostatistics Consulting	Spring 2016 & 2017
PHC 6020	Clinical Trial Methods	Spring, 2014 & 2015
GMS 6827	Advanced Clinical Trial Methods	Spring, 2012 & 2013
GMS 5905	Design and Analysis of Translational Research in Biomedical Sciences	Spring, 2007
STA 6934	Design and Analysis of Sports Tournaments	Summer, 2006
STA 7179	Survival Analysis	Spring, 2002
STA 4321	Mathematical Statistics	Fall & Spring, 2001
STA 4502	Nonparametric Statistical Methods	Fall, 2000
STA 6166	Statistical Methods in Research	Fall, 1999
STA 3032	Engineering Statistics	Fall, 1998; Spring, 1999

#### Other Teaching

Role	Course Title	Date
Theme Leader	Introduction to Clinical Medicine	Fall, 2012
Group Leader	Introduction to Clinical and Translational Research	Summer, 2006, 2008-2010
Coordinator	Grant-writing seminar at the VA Rehabilitation Outcome Research Center	Fall, 2006

**Graduate Committee Activities****[A. PhD Dissertation, Chair/Co-chair]**

Student	Research Topic	Home Department	Completion Date
A Bhattacharjee	Multi factor randomized clinical trials	Statistics	2017
Jing Liu	Improving power for testing using auxiliary information	Biostatistics	2017
Hui Zeng	Graphical approach in multiple testing	Biostatistics	2015
Long Zhang	Data confidentiality and privacy protection	Statistics	2014
Ying He	Adaptive clinical trials with enrichment	Biostatistics	2014
Alex Savenkov	Novel methods for time series data in clinical studies	Statistics	2012
Anqi Sun	Strong Type I error control and point estimation in adaptive designs	Statistics	2011

**[B. Masters Students, Chair]**

Student	Research Topic	Home Department	Completion Date
Sijia Huang	Clinical trials	Biostatistics	2014
Jing Tian	Clinical trials	Biostatistics	2014
Chao Liu	Covariate adaptive randomization	Statistics	2014
Yuang Xu	Clinical trials	Statistics	2014
Johnny Wu	Sports Statistics	Statistics	2014
Dan Neal	Interval estimation in drop-the-losers clinical trials with flexible treatment selection	Statistics	2009
Liqun Xu	Simultaneous statistical inference	Statistics	2006
Wei Xue	Meta-analysis	Statistics	2003
Jie Yang	Generalized linear model	Statistics	2003
Yaning Wang	Bayesian analysis of pharmacokinetic data	Statistics	2003
Hongying Li	Multivariate analysis	Statistics	2003

**[C. MS and PhD Committees in Non-chair Role]**

Student	Research Topic	Home Department	Completion Date
Wei Zhang	Large-scale convex optimization	Mathematics	2017
Nilanjan Goswami	Power-performance and architecture optimization	Electrical and Computer Engineering	2014
Meng Liu	Image analysis	Mathematics	2014
Carolina Montedonico	Investigation of central pain processing in post-operative shoulder pain	Physical Therapy	2011
Sharon Barak	Ambulatory recovery for stroke survivors	Physical Therapy	2009
Hailong Meng	Bioinformatics	Molecular Genetics and Microbiology	2006
Xiaowen Yang	Physical Environment and Residential Burglary	Urban and Regional Planning	2006
Damaris Santana	Statistical genetics	Statistics	2005
Qi Liu	Statistics in Bioequivalence Studies	Statistics	2004
Yue-Pey A. Buu	Analysis of rater effects	Statistics	2003
James J. Yang	Statistical genetics	Statistics	2002
Jeffrey Thompson	Errors in variable model	Statistics	2002
Haoyi Chen	Survival analysis	Statistics	2001
Deng-shan Shiau	Nonstationary time series	Statistics	2001
Chapman Carrie	Impact of C677T MTHFR	Nutrition	2002
Daniel Scognamillo	Ecological separation between Jaguar and Puma	Wildlife ecology & conservation	2001

**Other Mentoring**

As the director of the Biostatistics Core at the Brain Rehabilitation Research Center (BRRC), I provide on-going mentoring and guide practical research for Ph.D. students and junior investigators. I have provided mentoring for the following people: Christine Carmichael, Toni Chiara, Tim Conway, David Fitzgerald, Megan Gaiefsky, Harrison Jones, Diane Kendall, Jaeock Kim, Matt Malcolm, Preeti Nair, Chetan Phadke, Lorie Richards, Amy Rodriguez, Keith White, Michelle Woodbury, Stacie Harnish, Brandon Burtis, Nicole Tester, David Clark and Julia Kay Waid-Ebbs.

**Visitors**

1. Dr. Dongjie Bai, Tianjin University of Finance and Economics (2014-2015)
2. Dr. Shuguang Wei, Inner Mongolia University of Science and Technology (2014-2015)



3. Dr. Jinlin Cao, Tianjin University of Finance and Economics (2011-2012)
4. Dr. Weiguo Liu, Nanjing Brain Hospital (2012)
5. Dr. Bo Yang, The First Affiliated Hospital of Zhenzhou University (2011)
6. Dr. Yuming Xu, The First Affiliated Hospital of Zhenzhou University (2010)
7. Dr. Feng Hao, Tianjin University of Finance and Economics (2009-2010)
8. Dr. Leping Liu, Tianjin University of Finance and Economics (2007-2008)
9. Dr. Guijun Yang, Tianjin University of Finance and Economics (2007-2008)
10. Dr. Changxing Ma, Nankai University, PR China (2001)

## 4. SERVICE

### Professional Services

1. Member, NIH Biomedical Computing and Health Informatics Study Section (2016)
2. Editorial board, *Neurorehabilitation and Neural Repair* (2013 - present)
3. Member, Data Monitoring Committee, *Cooperative Studies Program #567: A Clinical Demonstration of an EEG Brain-Computer Interface for ALS Patients* (2011-2014)
4. Member of statistical review team, *Journal of Physical Therapy* (2008 - 2009)
5. Referee for *Journal of American Statistical Association*, *Biometrika*, *Statistica Sinica*, *Journal of Computational and Graphical Statistics*, *Journal of Agricultural, Biological, and Environmental Statistics*, *Genetics*, *Journal of Multivariate Statistical Analysis*, *The American Statistician*, *Journal of the International Neuropsychological Society*
6. Member of Special Emphasis Panel, Data Coordinating Center for the Network of Excellence in Neuroscience Clinical Trials for NIH/NINDS (2011)
7. Member of Special Emphasis Panel, Spinal Cord Injury Research Program of Department of Defense (DoD) United States Army Medical Research and Materiel Command (USAMRMC) Congressionally Directed Medical Research Programs (CDMRP) (2010)
8. Member of Special Emphasis Panel, Safety and Efficacy of Lithium in combination with Riluzole in Subjects with ALS, NIH/NINDS (2009)
9. Member of Special Emphasis Panel, Rare Diseases Clinical Research Consortia (RD-CRC) for the Rare Diseases Clinical Research Network (U54), NIH/NINDS (2009)
10. Member, IMS New Researcher's Committee (1999 - 2000)

### Services at the University of Florida

1. Senator, University of Florida Faculty Senate (2016 - 2019)
2. Interim chair, Department of Biostatistics (2010 - 2012)
3. Member, College of Medicine Leadership Committee (2010 - 2012)

4. Member, College of Public Health and Health Professions Executive Leadership Committee (2010 - 2012)
5. Member, Advisory Board for the College of Medicine's Advanced Postgraduate Program for Clinical Investigators (APPCI) (2008 - present)
6. Member, Admission Committee, Department of Statistics (2000 - present)
7. Member, Faculty Search Committee (2001, 2002 co-chair, 2003, 2005-2007, 2013)
8. Member, Advisory Board for the College of Medicine's Interdisciplinary Program in Biomedical Sciences (IDP) (2008 - 2012)
9. Director of the Biostatistics Education Core, Department of Epidemiology and Health Policy Research (2007 - 2010)
10. Chair, Biostatistics Introductory Course Review Committee (2008-2009)
11. Member, Clinical and Translational Science Award (CTSA) Epidemiology and Biostatistics Planning Group (2006)
12. Member, Department Strategic Planning Committee (2005)
13. Member, Organizing Committee of the UF Winter Workshop: An IMS Mini-Meeting on Functional Data Analysis (2002)
14. Co-chair, Statistics Department Web Page Committee (2001)
15. Member, Organizing Committee of the UF Winter Workshop: An IMS Mini-Meeting on Imaging, Classification, and Clustering (2001)
16. Member, Task force for the development of Master and Ph.D program in Biostatistics (1998-1999)

## 5. GRANTS, CONTRACTS AND AWARDS

### Ongoing Grants And Contracts

**Wu SS** (P.I.) ,Biostatistical Research Support Services for VAMC Rehabilitation Studies. US Dept of Veterans Affairs. \$1,570,895, 07/01/2002-present.

Vaillancourt DE, P.I., **Wu SS**, *et al.*, Co-investigator. Scaling and Sequencing Motor Output in Humans: fMRI Study. NIH/NINDS (2R01NS052318-13), \$2,382,995, 08/01/2016-05/31/2021.

Woods A and Cohen R, P.I., **Wu SS**, *et al.*, Co-investigator. Augmenting Cognitive Training in Older Adults - The ACT Grant. NIH/NIA (1R01AG054077-01), \$5,960,000, 09/01/2016-08/31/2021.

Okun MS, P.I., **Wu SS**, *et al.*, Co-investigator. The Human Thalamocortical Network In Tourette Syndrome. NIH/NINDS (1R01NS096008), \$1,750,000, 07/01/2016-06/30/2021.

Pahor M, P.I., **Wu SS**, *et al.*, The ENRGISE Study. NIH/NIA (U01AG050499). \$5,300,000, 09/01/2015 to 07/31/2018.

- George S, P.I., **Wu SS**, *et al.*, Co-investigator. Biopsychosocial influence on shoulder pain (phase 2). NIH/NIAMS (1R01AR055899). \$3,660,783, 04/01/2015-03/31/2020.
- Pahor M, P.I., **Wu SS**, Director of Biostatistics Core. The UF Claude D. Pepper Older Americans Independence Center (OAIC). NIH/NIA (P30AG028740). \$1,066,659, 06/25/2014 - 05/31/2019.
- Cohen R, P.I., **Wu SS**, *et al.*, Co-investigator. Obesity and type-2 diabetes: Bariatric surgery effects on brain function. NIH (1R01DK099334). \$563,098, 06/25/2014 - 05/31/2019.
- Dyson-Hudson S, P.I., **Wu SS**, *et al.*, Co-investigator. Restoring Lost Functions after Spinal Cord Injury: Combination Therapy with Dalfampridine and Locomotor Training in Persons with Chronic, Motor Incomplete Spinal Cord Injury, National Institute on Disability and Rehabilitation Research (NIDRR), US Department of Education . \$89,000, 10/01/2011-09/30/2016.

### Completed Grants And Contracts

- Wu SS** (P.I.), Biostatistical Research Support Services for National Parkinson Foundation. \$125,000, 04/01/2012 - 6/30/2016.
- George S, P.I., **Wu SS**, *et al.*, Co-investigator. Creation of the Orthopaedic Physical Therapy Investigative Network (OPT-IN) for the Optimal Screening for Prediction of Referral and Outcome (OSPRO) Cohort Study. Orthopaedic Section of the American Physical Therapy Association (KK-G000790). \$300,000, 01/01/2013-12/31/2015.
- George S, P.I., **Wu SS**, *et al.*, Co-investigator. Biopsychosocial influence on shoulder pain. NIH/NIAMS (1R01AR055899). \$2,498,777, 07/01/2008-12/30/2014.
- Duncan PW, P.I.; **Wu SS**, Lead Statistician, Co-director of Data Management and Analysis Core. Locomotor Experience Applied Post-Stroke (LEAPS).” NIH/NINDS&NCMRR (R01 NS050506). \$13,932,360, 07/01/2005-06/30/2012.
- Wu SS**, P.I., Faculty Enhancement Opportunity Award for researching the topic of large-scale data analysis on astronomy and medical imaging data.” \$39,049, 6/1/2012-12/31/2012.
- Wu SS** (P.I.), Contract between Texas State University - San Marcos and UF. \$25,000, 10/01/2011 - 5/31/2012.
- Okun MS, P.I., **Wu SS**, *et al.*, Co-investigator. Scheduled and Responsive Brain Stimulation for the Treatment of Tourette Syndrome. NIMH/NIH, \$150,000, 09/17/2009-05/31/2011.
- Chen SG, P.I., **Wu SS**, *et al.*, Co-investigator. Smart Street Network: Transforming a City Transportation Infrastructure into a High Speed Communication Infrastructure. UF DSR, \$100,000, 05/01/2008 -04/30/2010.
- George S, P.I., **Wu SS**, *et al.*, Co-investigator. Prevention of Low Back Pain in the Military: A randomized trial. DoD. \$999,985, 12/01/05-11/30/09.
- Fernandez HH, P.I., **Wu SS**, *et al.*, Co-investigator. Repetitive Transcranial Magnetic Stimulation for the Treatment of Apathy in Parkinson’s Disease (The ReStore Study). NIH, \$51,000, 07/01/2007 - 06/30/2009.

- Okun MS, P.I., **Wu SS**, *et al.*, Co-investigator. DBS Effects on Mood & Cognition in Parkinson's Disease. NIH, \$877,839, 07/01/2003 - 06/30/2008.
- Beyth RJ, P.I.; **Wu SS**, *et al.*, Co-investigator. Improving Anti-Thrombotic Use in Stroke Prevention. NIH - nhlbi-heart, lung, & blood. \$1,522,781, 01/10/2005-08/31/07.
- Andresen E, P.I.; **Wu SS**, *et al.*, Co-investigator. The Public Health of Caregiving. CDC. \$272,257, 9/30/2004-09/29/2005.
- Sleasman J, P.I., Goodenow MM, **Wu SS**, Co-investigator. Impact of HIV-1 Genotype on Therapy Response in Children." NIH. \$1,439,438, 11/1/00 - 3/31/03.
- Wu SS**, Project P.I., Predictors of toddler and infant maltreatment." Part of a contract to the Maternal Child Health, Education & Data Research Center by Florida Agency for Health Care and Administration. \$240,000, 07/01/2002-6/30/2004.
- Wu SS**, Project P.I., Birth Vital Statistics: Survival, Low Birth Weight and Morbidity Outcomes Research." Part of a contract to the Maternal Child Health, Education & Data Research Center by Florida Agency for Health Care and Administration. \$750,000, 07/01/1998-6/30/2004.
- Wu SS** (organizer), Casella G. UF Winter Workshop: An IMS Mini-Meeting on Imaging, Classification, and Clustering." the Institute of Mathematical Statistics (IMS). \$3,000 January 2002. (In addition, CLAS Dean funded \$2,000 and VP for Research at UF funded \$1,500)
- Wu SS**, P.I., CLAS Research Initiation Projects Award for researching the topic of Incomplete Data in Generalized Linear Models." \$10,000 over 3 months, 1999.

### Honors And Awards

- University Term Professor 2016
- Specially Appointed Professor, Tianjin University of Finance and Economics, Tianjin, PR China (2004 - present)
- Adjunct Professor, National Cheng Kung University, Taipei, Taiwan (2009 - present)
- First Prize winner of the Stroke Progress and Innovation Award for Tilson et al, 2012 (PMID:22246687)
- Best poster award from the Seventh Annual Maternal and Child Health Epidemiology conference, Tampa, FL, 2001
- Awarded UF CLAS Research Initiation Project (1999)
- Graduate Student Fellowship, Cornell University, summer 1995 and summer 1996
- Wang Ke-Chang Fellowship, Nankai University, 1991-1992
- Guang-Hua Fellowship, Nankai University, 1990-1991