

1. BIOGRAPHICAL DATA

Personal Information

Place of Birth: Zhejiang Province, P. R. China
 Marital Status: Married, two sons born in 1998, 2002

Citizenship

USA

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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

01/2018 - present	Director of Research Design and Data Coordinating Center, The UF Clinical and Translational Research Institute.
07/2014 - present	Professor and Associate Chair, Department of Biostatistics, College of Medicine and College of Public Health and Health Professions, University of Florida.
07/2008 - present	Affiliate Professor, Department of Statistics, University of Florida.
11/2013 - 03/2018	Director of Biostatistics Core, The UF Claude D. Pepper Older Americans Independence Center.
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.
07/2002 - 06/2012	Director of the Biostatistics Core, VA Rehabilitation Outcome Research Center.
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. Ding AA, Miao G, **Wu SS**. (2020). On the privacy and utility properties of triple matrix-masking. *J Privacy and Confidentiality*. Volume 10, Issue 2. <https://doi.org/10.29012/jpc.674>.
2. Ding AA, **Wu SS**, Dean NE, Zahigian RS. (2020). Two-stage adaptive enrichment design for testing an active factor. *J Biopharm Stat*. 30(1): 18-30. (PMID: 31135263)
3. Lu X, He Y, **Wu SS**. (2018). Interval estimation in multi-stage drop-the-losers designs. *Statistical Method in Medical Research*. 27(1):221-233. (PMID: 26980742)
4. **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.
5. 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.
6. **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.
7. 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.
8. 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)
9. **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)
10. 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.
11. 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.
12. 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.
13. 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)
14. 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.

15. Luo XL, **Wu SS**, Xiong J. (2010). Parameter estimation following an adaptive treatment selection trial design. *Biometrical Journal*. 52(6):823-35.
16. 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.
17. **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*.
18. 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.
19. **Wu SS**, Wang W, Yang MCK. (2010). Interval estimation for drop-the-loser designs. *Biometrika*. 97: 405-418.
20. 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.
21. **Wu SS**, Yang MCK. (2008). An improved double-elimination tournament with application to the FIFA world cup. *Mathematical Scientist*. 33: 79-92.
22. **Wu SS**, Wang WZ, Annis D. (2008). On identification of inferior treatments using the Newman-Keuls test. *Biometrical Journal*. 5: 861-869.
23. **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.
24. **Wu SS**, Wang WZ. (2007). Step-up simultaneous tests for identifying active effects in orthogonal saturated designs. *Annals of Statistics*. 35(1): 449-463.
25. Annis D, **Wu SS**. (2007). Improved college football scheduling using a modified Swiss system. *Chance*. 20(1): 6-10.
26. **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.
27. **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.
28. Shuster JJ, **Wu SS**, Sun AQ. (2006) Design alternatives to four team double elimination tournaments. *The Mathematical Scientist*. 31: 95-106.
29. **Wu SS**. (2006). Combining univariate tests for multivariate location problem. *Communication in Statistics*. 35: 1483-1494.
30. Annis D, **Wu SS**. (2006). A comparison of potential playoff systems for NCAA I-A football. *The American Statistician*. 60(2):151-157.
31. **Wu SS**, Li HY, Casella G. (2006). Tests with optimal average power in multivariate analysis. *Statistical Sinica* 16(1): 255-266.

32. **Wu SS**, Wells MT. (2005). An extension of the metropolis algorithm. *Communications in Statistics (Theory and Method)*. 34(3): 585-596.
33. **Wu SS**, Yang MCK. (2004). Evaluation of current rule in figure skating and possible improvements. *The American Statistician*. Vol. 58: 46-54.
34. **Wu SS**, Wells MT. (2003). Nonparametric hazard estimation using wavelet methods. *J. Nonpar. Stat.* Vol. 15(2), 187-203.
35. 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.
36. Wu RL, Ma CX, **Wu SS**, Zeng Z-B. (2002). Linkage mapping of sex-specific differences. *Genetical Research*. 77: 70-80.
37. **Wu SS**, Ma CX, Wu RL, Casella G. (2002). A hierarchical statistical model for estimating population properties of quantitative genes. *BMC Genetics*. 3:10.
38. 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.
39. **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.
40. 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.
41. 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]

42. Hardcastle C, O'Shea A, Kraft JN, Albizu A, Evangelista ND, Hausman HK, Boutzoukas EM, Van Etten EJ, Bharadwaj PK, Song H, Smith SG, Porges EC, Dekosky S, Hishaw GA, **Wu SS**, Marsiske M, Cohen R, Alexander GE, Woods AJ. (2020) Contributions of hippocampal volume to cognition in healthy older adults. *Front Aging Neurosci*. (PMID: 33250765)
43. Chatterjee SA, Seidler RD, Skinner JW, Lysne PE, Sumonthee C, **Wu SS**, Cohen RA, Rose DK, Woods AJ, Clark DJ. (2020) Obstacle negotiation in older adults: prefrontal activation interpreted through conceptual models of brain aging. *Innov Aging*. 10:4(4). (PMID: 32995566)
44. Fillingim RB, Woods AJ, Ahn H, **Wu SS**, Redden DT, Lai S, Deshpande H, Deutsch G, Sibille KT, Staud R, Zeidan F, Goodin BR. (2020) Pain relief for osteoarthritis through combined treatment (PROACT): Protocol for a randomized controlled trial of mindfulness meditation combined with transcranial direct current stimulation in non-Hispanic black and white adults with knee osteoarthritis. *Contemp Clin Trials*. (PMID: 32992020)
45. Clark D, Rose D, Butera K, Hoisington B, DeMark L, Chatterjee S, Hawkins K, Otzel D, Skinner J, Christou E, **Wu SS**, Fox E. Walking rehabilitation with accurate tasks or

- steady state training produce similar functional benefits: a randomized clinical trial in adults post-stroke. submitted to *Neurorehabilitation and Neural Repair*.
46. Clark D, Chatterjee S, Skinner J, Lysne P, Sumonthee C, **Wu SS**, Cohen R, Rose D, Woods A. (2020) Combining frontal tDCS with walking rehabilitation to enhance mobility and executive function: a pilot clinical trial. *Neuromodulation: Technology at the Neural Interface*. (PMID: 32808403)
 47. Simon CB, Valencia C, Coronado RA, Wu SS, Li Z, Dai Y, Farmer KW, Moser MM, Wright TW, Fillingim RB, George SZ. (2019). Biopsychosocial Influences on Shoulder Pain: Analyzing the Temporal Ordering of Postoperative Recovery. *J Pain*. 21(7-8): 808-819. (PMID: 31891763)
 48. Yoon SL, Grundmann O, Williams JJ, **Wu SS**, Leeuwenburgh C, Huo Z, George TJ Jr. (2020). Differential response to targeted acupuncture by gender in patients with gastrointestinal cancer cachexia: secondary analysis of a randomized controlled trial. *Acupunct Med*. 38(1): 53-60. (PMID: 31544469)
 49. Guirgis FW, Black LP, Rosenthal MD, Henson M, Ferreira J, Leeuwenburgh C, Kalynych C, Moldawer LL, Miller T, Jones L, Crandall M, Reddy ST, **Wu SS**, Moore FA.(2019). LIPid Intensive Drug therapy for Sepsis Pilot (LIPIDS-P): Phase I/II clinical trial protocol of lipid emulsion therapy for stabilising cholesterol levels in sepsis and septic shock. *BMJ Open*. 9(9): e029348 (PMID: 31537565)
 50. Chatterjee SA, Fox EJ, Daly JJ, Rose DK, **Wu SS**, Christou EA, Hawkins KA, Otzel DM, Butera KA, Skinner JW, Clark DJ. (2019). Interpreting prefrontal recruitment during walking after stroke: Influence of individual differences in mobility and cognitive function. *Front Hum Neurosci*. 13: 194. (PMID: 31316360; PMCID: PMC6611435)
 51. Zhang Y, Liu M, Wu SS, Jiang H, Zhang J, Wang S, Ma W, Li Q, Ma Y, Liu Y, Feng W, Amsalu E, Li X, Wang W, Li W, Guo X. (2019). Spatial distribution of tuberculosis and its association with meteorological factors in mainland China. *BMC Infect Dis*. 19(1):379. (PMID: 31053104; PMCID: PMC6500018)
 52. Harper SA, Roberts LM, Layne AS, Jaeger BC, Gardner AK, Sibille KT, **Wu SS**, Vincent KR, Fillingim RB, Manini TM, Buford TW. (2019). Blood-Flow Restriction Resistance Exercise for Older Adults with Knee Osteoarthritis: A Pilot Randomized Clinical Trial. *J Clin Med*. 8(2):265. (PMID: 30795545)
 53. Pahor M, Anton SD, Beavers DP, Cauley JA, Fielding RA, Kritchevsky SB, Leeuwenburgh C, Lewis KH, Liu CK, Lovato LC, Lu J, Manini TM, McDermott MM, Miller ME, Newman AB, Radziszewska B, Stowe CL, Tracy RP, Walkup MP, **Wu SS**, Ambrosius WT; ENRGISE study investigators. (2019). Effect of losartan and fish oil on plasma IL-6 and mobility in older persons. The ENRGISE Pilot randomized clinical trial. *J Gerontol A Biol Sci Med Sci*. 74(10):1612-1619 (PMID: 30541065)
 54. Borsa PA, Parr JJ, Wallace MR, **Wu SS**, Dai Y, Fillingim RF, George SZ. (2018). Genetic and Psychological Factors Interact to Predict Physical Impairment Phenotypes Following Exercise-Induced Shoulder Injury. *Journal of Pain Research*. 11:2497-2508. (PMID: 30425562)

55. Margoliusa A, Cubillosb F, He Y, **Wu S**, Schmidt PN, and Simunia T on behalf of the NPF QII Investigators. (2018). Predictors of Clinically Meaningful Change in PDQ-39 in Parkinsons Disease. *Parkinsonism & Related Disorders*. 56:93-97. (PMID: 30056039)
56. Parashos SA, Bloem BR, Browner NM, Giladi N, Gurevich T, Hausdorff JM, He Y, Lyons KE, Mari Z, Morgan JC, Post B, Schmidt PN, Wielinski CL, and **Wu SS**. (2018). What predicts falls in Parkinson disease? Observations from the Parkinson Foundation Registry. *Neurology: Clinical Practice*. 8(3):214-222. (PMID: 30105161)
57. Dahodwala N, Shah K, He Y, **Wu SS**, Schmidt P, Cubillos F, Willis AW. (2018). Sex disparities in access to caregiving in Parkinson disease. *Neurology*. 90(1):e48-e54. (PMID: 29196580)
58. George SZ, Beneciuk JM, Lentz TA, **Wu SS**, Dai Y, Bialosky JE, Zeppieri G Jr. (2018). Optimal Screening for Prediction of Referral and Outcome (OSPRO) for Musculoskeletal Pain Conditions: Results From the Validation Cohort. *J Orthop Sports Phys Ther*. 48(6):460-475. (PMID: 29629615)
59. Beneciuk JM, Lentz TA, He Y, **Wu SS**, George SZ. (2018). Prediction of persistent musculoskeletal pain at 12 Months: a secondary analysis of the Optimal Screening for Prediction of Referral and Outcome (OSPRO) Validation Cohort study. *Phys Ther*. 98(5): 290 - 301. (PMID: 29669081)
60. Woods AJ, Cohen R, Marsiske M, Alexander GE, Czaja SJ, **Wu S**. (2018). Augmenting cognitive training in older adults (The ACT Study): Design and Methods of a Phase III tDCS and cognitive training trial. *Contemporary Clinical Trials*. 65: 19 - 32. (PMID: 29313802)
61. Gitlin LN, Arthur P, Piersol C, Hessels V, **Wu SS**, Dai Y, Mann WC. (2018). Targeting Behavioral Symptoms and Functional Decline in Dementia: A Randomized Clinical Trial. *J Am Geriatr Soc*. 66(2):339 - 345. (PMID: 29192967)
62. Rose DK, Nadeau SE, Wu SS, Tilson JK, Dobkin BH, Pei Q, Duncan PW. (2017). Locomotor Training and Strength and Balance Exercises for Walking Recovery After Stroke: Response to Number of Training Sessions. *Phys Ther*. 97(11):1066 - 1074. (PMID: 29077960)
63. Layne AS, Krehbiel LM, Mankowski RT, Anton SD, Leeuwenburgh C, Pahor M, Sandesara B, Wu SS, Buford TW. (2017). Resveratrol and exercise to treat functional limitations in late life: design of a randomized controlled trial. *Contemp Clin Trials Commun*. 6:58 - 63. (PMID: 28944303)
64. Burciu RG, Ofori E, Archer DB, Wu SS, Pasternak O, McFarland NR, Okun MS, Vailancourt DE. (2017). Progression marker of Parkinson's disease: a 4-year multi-site imaging study. *Brain*. 140(8):2183 - 2192. (PMID: 28899020)
65. Shahgholi L, Jesus SD, **Wu SS**, Pei P, Hassan A, Armstrong MJ, Martinez-Ramirez D, Schmidt P, Okun MS. (2017). Hospitalization and rehospitalization in Parkinson disease patients: Data from the National Parkinson Foundation centers of excellence. *Plus One*. 2(7): e0180425. (PMID: 28683150)

66. 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)
67. 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. *Contemporary Clinical Trials*. 56:9-17. (PMID: 28315479)
68. 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)
69. 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.
70. 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)
71. 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)
72. Valiani V, Gao S, Chen Z, Swami S, Harle CA, Lipori G, Sourdet 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)
73. 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)
74. 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)
75. 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)
76. 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, Wohlgemuth 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)
77. 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)
78. 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)
79. 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)
80. 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)
81. 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)
82. 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)
83. 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)
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85. 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)
86. 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)

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88. 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)
89. 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)
90. 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)
91. 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)
92. 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)
93. 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)
94. 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)
95. 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)
96. 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)
97. 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)
98. 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)

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Book Chapters

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2. Miao G, Gao H, Wang Y, **Wu SS**. (2020) Introduction to Privacy-Preserving Data Collection and Sharing Methods for Global Health Research. *Statistical Methods for Global Health and Epidemiology*, edited by Chen, X. and Chen, D. 159:176.

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*.
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Presentations at Professional Conferences and Meetings

[A. Presentations at International Conferences]

1. **Wu SS**. "Strong Privacy-Preserving Data Collection Using Triple Matrix-Masking." *The 2019 IISA Conference*, Mumbai, India. December 26 - 30, 2019. (Invited)
2. **Wu SS**. "Two-Stage Multi-Factor Adaptive Clinical Trials." *The 11th ICSA International Conference*, Hangzhou, China. December 20 - 22, 2019. (Invited)
3. **Wu SS**. "Data Collection with Strong Privacy Preservation is Feasible using Triple Matrix-Masking." *2018 ICSA Conference with the Focus on Data Science*, Qingdao, Shangdong, China. July 2 - 5, 2018. (Invited)
4. **Wu SS**. "On Security Properties of Random Matrix Masking Methods." *International Conference on Information Theory and Data Science*, Tianjin, China. June 29 - July 1, 2018. (Invited)
5. **Wu SS**. "On Security Properties of Privacy-preserving Data Collection Methods." *International Conference on Statistics and Data Science*, Wenzhou, Zhejiang, China. December 22 - 24, 2017. (Invited)
6. **Wu SS**. "Collusion Resistant Multi-Matrix Masking for Privacy-Preserving Data Collection." *The 3rd IEEE International Conference on Big Data Security on Cloud (Big-DataSecurity 2017)*, Beijing, China. May 26 - 28, 2017.
7. **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.
8. **Wu SS**. "Lessons Learned from LEAPS." *Society for Clinical Trials 36th Annual Meeting*, Arlington, Virginia, May 19, 2015. (Invited)
9. **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)
10. **Wu SS**. "New data collection methods with privacy protection." *The 4th International Biostatistics workshop of Jilin University*, Jilin, PR China, June 5, 2014. (Invited)
11. **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)
12. **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.

13. **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.
14. **Wu SS**. "Two statistical applications." *The 3rd China Statistics Annual Conference*, Wuhan, PR China, October 29-31, 2010. (Invited)
15. **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.
16. **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.
17. **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.
18. **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.
19. **Wu SS**. "Adaptive designs in clinical trials." *The 1st China Statistics Annual Conference*, Tianjin, PR China. October 20-22, 2006. (Invited)
20. **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)
21. 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)
22. **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.
23. **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]

24. **Wu SS**, Bhattacharjee A. "Identifying Main Effects in Multi Factor Clinical Trials." *ICSA Applied Statistics Symposium*, Atlanta, GA, June 12 - 15, 2016. (Invited)
25. **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)
26. **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)

27. **Wu SS**. "Privacy-preserving Data Collection Techniques for Clinical Trials." *2014 IMPACT Symposium III*, Cary, NC, November 20, 2014.
28. **Wu SS**. "New data collection methods with privacy protection." *The Joint Statistical Meeting*, Boston, MA, August 5, 2014.
29. **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.
30. **Wu SS**. "Interval estimation for drop-the-losers designs." *WNAR Annual Meeting*, San Luis Obispo, CA, June 20-22, 2011.
31. **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.
32. 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.
33. **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.
34. **Wu SS**, Annis D. "Asymptotic efficiency of majority rule relative to rank sum method." *The Joint Statistical Meeting*, Seattle, WA, August 7-11, 2006.
35. Annis D, **Wu SS**. "Improved college football scheduling using a pseudo-swiss system." *The Joint Statistical Meeting*, Seattle, WA, August 7-11, 2006.
36. **Wu SS**, Mark YCK. "Shrinkage test and its applications in clinical trials." *ICSA 2006 Applied Statistics Symposium*, Storrs, CN, June 14-17. 2006. (Invited)
37. 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)
38. 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)
39. **Wu SS**, Mark, Y. C. K. "Some improved tests using pilot study information." *The Joint Statistical Meeting*, Minneapolis, MN, August 7-11, 2005.
40. Annis D, **Wu SS**. "Some properties of playoff in NCAA I-A football." *The Joint Statistical Meeting*, Minneapolis, MN, August 7-11, 2005.
41. **Wu SS**. "Some new advances in multivariate analysis." *The Joint Statistical Meeting* Toronto, Canada, August 7-12, 2004.
42. **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.
43. **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)

44. **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.
45. **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.
46. **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.
47. **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.)
48. **Wu SS, Wells MT.** “Nonparametric Estimation of Hazard Functions by Wavelet Methods”, *The Joint Statistical Meetings, Baltimore, MD, August 8-12, 1999.*
49. **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]

50. **Wu SS.** “Introduction to biostatistics and clinical trials.” *The 7th Symposium of Science, Engineering, and Biomedicine*, Jacksonville, FL, September 2 - 5, 2016. (Invited)
51. **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)
52. **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.
53. **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)
54. **Wu SS.** “Two statistical applications.” *The 4th Symposium of Science, Engineering, and Biomedicine*, Lake Buena Vista, FL, September 3-6, 2010. (Invited)
55. **Wu SS.** “Adaptive designs in clinical trials.” *The 3rd Symposium of Science, Engineering, and Biomedicine*, Amelia Island, FL, August 30 - September 1, 2008. (Invited)
56. **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)
57. **Wu SS.** “Nonparametric tests for umbrella alternatives.” *Nonparametric statistics research conference*, Tallahassee, FL, January 17-18, 2003.
58. **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)

59. **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.
60. **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]

61. **Wu SS**. "What Is Statistics? What Do Statisticians Do?" *Public Health Science Undergraduate Students Seminar, University of Florida*, Gainesville, FL. October 3, 2017. (Invited)
62. **Wu SS**. "Experimental, quasi, correlational, factorial research designs: Applications to health science studies." *College of Dentistry Faculty Development Education Series, University of Florida*, Gainesville, FL. September 20, 2017. (Invited)
63. **Wu SS**. "New data collection methods with privacy protection." *Department of Mathematics, Clarkson University*, Potsdam, NY. October 20, 2016. (Invited)
64. **Wu SS**. "Privacy-preserving Data Collection Techniques for Clinical Trials." *Department of Statistical Sciences, Cornell University*, Ithaca, NY. September 9, 2016. (Invited)
65. **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)
66. **Wu SS**. "New Data Collection Methods with Privacy Protection." *Nankai Distinguished Alumni Symposium*, Tianjin, China. July 8, 2015. (Invited)
67. **Wu SS**. "Statistical Opportunities and Challenges in Big Data Era." *Statistics Research Center, the Chinese Academy of Sciences*, Beijing, China. March 6, 2015. (Invited)
68. **Wu SS**. "New data collection methods with privacy protection." *Department of Statistics, Kansas State University*, Manhattan, KS. November 6, 2014. (Invited)
69. **Wu SS**. "New data collection methods with privacy protection." *Department of Mathematics, Zhejiang University*, Hangzhou, PR China, September 29, 2014. (Invited)
70. **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)
71. **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)
72. **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)
73. **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)

74. **Wu SS.** “New statistical opportunities with big data and fast computing.” *Department of Statistics, National Cheng Kung University*, December 27, 2012. (Invited)
75. **Wu SS.** “New statistical opportunities with big data and fast computing.” *Department of Statistics, Central University of Finance and Economics*, December 23, 2012. (Invited)
76. **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)
77. **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)
78. **Wu SS.** “Some statistical issues in adaptive clinical trials.” *Department of Statistics, National Cheng Kung University*, December 22, 2011. (Invited)
79. **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)
80. **Wu SS.** “Interval estimation for drop-the-losers designs.” *Department of Statistics, National Cheng Kung University*, December 22, 2009. (Invited)
81. **Wu SS.** “Interval estimation for drop-the-losers designs.” *Department of Statistics, University of Florida*, Gainesville, FL, November 19, 2009.
82. **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)
83. **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)
84. **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
85. **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
86. **Wu SS.** “Rating Teams and Scheduling Games.” *Department of Statistics Student seminar, University of Florida*, April 5, 2005.
87. **Wu SS.** “Combination of t-tests vs. T^2 in Simultaneous Inference.” *Department of Statistics, University of Florida*, September 9, 2004.
88. **Wu SS.** “Univariate test and multivariate analysis.” *Department of Probability and Statistics, Beijing University*, Beijing, PR China, November 14, 2003. (Invited)
89. **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)

90. **Wu SS.** "Linkage analysis in autotetraploids." *Department of Biostatistics, Roswell Park Cancer Institute, Buffalo, NY, February 28, 2003. (Invited)*
91. **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)*
92. **Wu SS.** "DNA Microarrays and Statistical Challenges." *Department of Statistics, University of Florida, January 24, 2002.*
93. **Wu SS.** "Clustering and classification in microarray analysis." *ICBR Workshop on Microarray Experiments, Gainesville, FL, December 10, 2001. (Invited)*
94. **Wu SS.** "Microarray Analysis and Statistical Challenges." *Department of Mathematics, Wright State University, OH, November 2, 2001. (Invited)*
95. **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 & 2018
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
Guanhong Miao	Techniques for privacy preserving data collection and analysis	Biostatistics	2020
Rachel S. Zahigian	Two-stage adaptive clinical trials	Biostatistics	2019
Abhishek 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
Chen Bai	Clinical trial data management	Biostatistics	2020
Johnathan Gilman	Survival analysis	Biostatistics	2019
Yue Wu	Clinical trial data management	Biostatistics	2019
Yichao Yu	Clinical trial design	Statistics	2017
Sijia Huang	Clinical trials	Biostatistics	2014
Jing Tian	Clinical trials	Biostatistics	2014
Chao Liu	Covariate adaptive randomization	Statistics	2014
Yuan 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, 2018)
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

- Fillingim R, P.I., **Wu SS**, *et al.*, Co-investigator. Ethnic Differences in Responses to Painful Stimuli. NIH (R37AG033906), \$6,227,126, 05/01/2019-04/30/2024.
- Nelson, D, P.I., **Wu SS**, *et al.*, Co-investigator and Director of Data Coordinating Center. Together: Transforming and Translating Discovery to Improve Health. NIH (U54 TR001427-05), \$29,618,462, 04/01/2019-03/31/2024.
- Pahor M, P.I., **Wu SS**, *et al.*, Co-investigator. The UF Claude D. Pepper Older Americans Independence Center (OAIC). NIH/NIA (P30AG028740). \$1,066,659, 06/25/2019 - 05/31/2024.
- Fillingim R, P.I., **Wu SS**, *et al.*, Co-investigator. University of Florida Resource Center for Minority Aging Research. NIH (P30AG059297-01), \$1,895,874, 09/01/2018-08/31/2023.
- Edwards J, P.I., **Wu SS**, *et al.*, Co-investigator. Planning an Adaptive Clinical Trial of Cognitive Training to Improve Function and Delay Dementia. NIH (U01AG062368-01), \$1,888,000, 09/01/2018-08/31/2020.

- Dean NE, P.I., **Wu SS**, *et al.*, Co-investigator. Design and Analysis of Vaccine Trials for Emerging Infectious Disease Threats. NIH/NIAID (R01AI139761), \$3,864,318, 08/15/2018-07/31/2023.
- Wu SS** (P.I.), New Statistical and Computing Technologies for Breaking the Barrier to Medical Data Sharing. NIH/NIGMS (R01GM118737), \$995,691, 09/15/2017-07/31/2021 (NCE).
- 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.
- George S, P.I., **Wu SS**, *et al.*, Co-investigator. Biopsychosocial influence on shoulder pain (phase 2). NIH/NIAMS (1R01AR055899). \$3,660,783, 04/01/2015-03/31/2021 (NCE).
- Wu SS** (P.I.), Biostatistical Research Support Services for VAMC Rehabilitation Studies. US Dept of Veterans Affairs. \$1,570,895, 07/01/2002-present.

Completed Grants And Contracts

- Wu SS** (P.I.), Data Coordinating Center for Parkinson Foundation's PDGENE Study. \$1,254,050, 02/01/2019 - 6/20/2020.
- Ferris DP, P.I., **Wu SS**, *et al.*, Co-investigator. Supraspinal Control of Human Locomotor Adaptation. NIH (1R01NS104772-01A1), \$2,592,923, 04/01/2018-03/31/2020.
- Wu SS** (P.I.), Biostatistical Research Support Services for Parkinson Foundation. \$108,000, 09/01/2018 - 8/30/2019.
- 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.
- Pahor M, P.I., **Wu SS**, *et al.*, Co-investigator. The ENRGISE Study. NIH/NIA (U01AG050499). \$5,300,000, 09/01/2015 to 07/31/2018.
- 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.
- 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

US patent (#10013569) entitled Privacy-preserving data collection, publication, and analysis, awarded on July 3, 2018

Chattanooga Research Award, 2018, American Physical Therapy Association

Dean’s Citation Paper Award, 2018, College of Public Health and Health Professions, University of Florida

University Term Professor 2016

Specially Appointed Professor, Tianjin University of Finance and Economics, Tianjin, PR China (2004 - 2019)

Adjunct Professor, National Cheng Kung University, Taipei, Taiwan (2009 - 2012)

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