

Steven Z. George PT, PhD
PO Box 100154
University of Florida
Gainesville, FL 32611 – 0154
(352) 273-6432
szgeorge@php.ufl.edu

Education

August 2002 – January 2004	Post Doctoral Fellowship Pain Research and Rehabilitation Outcomes College of Public Health and Health Professions University of Florida
August 1999 – August 2002	Doctor of Philosophy Rehabilitation Science School of Health and Rehabilitation Sciences University of Pittsburgh
August 1995 - December 1997	Master of Science Orthopedic Physical Therapy School of Health and Rehabilitation Sciences University of Pittsburgh
August 1990 - December 1994	Bachelor of Science, Summa Cum Laude Physical Therapy School of Medicine West Virginia University

Licensure

April 27 th , 2006 – present	Licensed Physical Therapist State of Florida
April 3 rd , 1995 – present	Licensed Physical Therapist Commonwealth of Pennsylvania

Employment

Academic Positions

December 2009 – present	Associate Professor and Assistant Department Chair Department of Physical Therapy University of Florida Gainesville, FL
July 2009 – December 2009	Associate Professor (tenured) Department of Physical Therapy University of Florida Gainesville, FL

January 2004 – June 2009	Assistant Professor (tenure accruing) Department of Physical Therapy University of Florida Gainesville, FL
August 2002 – January 2004	Research Fellow Department of Clinical Health Psychology Department of Physical Therapy University of Florida Gainesville, FL
June 2000 - August 2002	Study Coordinator Department of Physical Therapy University of Pittsburgh Pittsburgh, PA
December 1999 – June 2000	Research Assistant Department of Physical Therapy University of Pittsburgh Pittsburgh, PA

Clinical Positions

December 1999 – August 2002	Casual Call/Part-Time Staff Therapist Centers for Rehab Services/UPMC Pittsburgh, PA
June 1997 - December 1999	Facility Director Centers for Rehab Services/UPMC Pittsburgh, PA
January 1995 - June 1997	Staff Therapist I-III University of Pittsburgh Medical Center Pittsburgh, PA

Honors and Awards

Early Career Awards

John C. Liebeskind Early Career Scholar Award

Recognition of exceptional accomplishment and promise in pain scholarship
May 2009 – American Pain Society

Jack Wessel Excellence Award for Assistant Professors

Recognition of outstanding accomplishments as an assistant professor
April 2009 – University of Florida

Eugene Michels New Investigator Award

Acknowledgment of an outstanding new investigator with commitment to a defined research theme
June 2007 – American Physical Therapy Association

Publication Awards

JOSPT Excellence in Research Award

Best research article published in the *Journal of Orthopaedic & Sports Physical Therapy*
February 2010 – Orthopaedic and Sports Sections, APTA

“A randomized sham-controlled trial of a neurodynamic technique in the treatment of carpal tunnel syndrome”

Bialosky JE, Bishop MD, Price DD, Robinson ME, Vincent KR, **George SZ**

Jack Walker Award

Contribution to the understanding of clinical practice and patient care published in *Physical Therapy*
June 2003 - Chattanooga Corporation and APTA

“Identifying psychosocial variables in patients with acute, work-related low back pain: the importance of fear-avoidance beliefs”

Fritz JM and **George SZ**

Rose Excellence in Research Award

Clinical research article with significant impact on orthopaedic physical therapy practice.

February 2003 - Orthopaedic Section, APTA

“The role of fear-avoidance beliefs in acute low back pain: relationships with current and future disability and work status”

Fritz JM, **George SZ**, Delitto A

Research Awards

Excellence in Research Award

Highest scored research abstract submitted to sports section.

February 2011 - Sports Physical Therapy Section, APTA

“Fear of re-injury/low confidence 1 year after ACL reconstruction: high prevalence and altered self-ratings”

Lentz TA, Zeppieri Jr G, Moser MW, Indelicato P, **George SZ**, Chmielewski TL.

COL David G. Greathouse Excellence in Research Award

Outstanding student-faculty research project.

May 2008 - US Army-Baylor University Doctoral Program in Physical Therapy

“The effects of traditional sit-up training versus core stabilization exercises on sit-up performance on US Army Soldiers: A cluster randomized trial”

Childs JD, **George SZ**, Wright AC, Dugan JL, Benedict T, Fortenberry A, Bush J, Preston J, McQueen R, Teyhen DS

Excellence in Research Award

Highest scored research abstract submitted to sports section.

February 2008 - Sports Physical Therapy Section, APTA

“Identifying impairments that predict function: a preliminary step in developing return-to-play guideline for ACL reconstruction”

Lentz TA, Tillman SM, Moser MW, Indelicato PA, **George SZ**, Chmielewski TL

Other Awards and Honors

Scholarships

PODS II (2001-2002)

Foundation for Physical Therapy (\$15,000)

PODS I (2000-2001)

Foundation for Physical Therapy (\$7,500)

Class Marshall
School of Health and Rehabilitation Studies
University of Pittsburgh, April 1998

Order of the Grail
Junior Honor Society
West Virginia University, December 1993

Outstanding Freshman Scholar Award
Phi Kappa Phi Honor Society
West Virginia University, December 1991

Grant Activity

Ongoing: Principal Investigator

Title: Investigation of the STarT Back Screening Tool in Physical Therapy Settings
Participation: Principal Investigator (5% Effort)
Agency: Brooks Endowment
Direct Costs: \$40,000
Funding Period: 2010 – 2011

This study investigates the discriminant and predictive validity of the STarT back screening tool for identifying psychological distress and poor outcomes for conservative rehabilitation of low back pain.

Title: Biopsychosocial Influence on Shoulder Pain
Participation: Principal Investigator (30% Effort)
Type: R01AR055899
Agency: National Institutes of Health (NIAMS/NINDS)
Direct Costs: \$1,900,000
Funding Period: 2008 – 2013

This study investigates whether subjects with both psychological and genetic risk factors will be more likely to exhibit elevated experimental pain sensitivity, resulting in a) increased exercise-induced shoulder pain and b) development of post-operative chronic shoulder pain.

Ongoing: Co-Investigator

Title: Resistance Exercise Effects on Fear-Avoidance Beliefs and Physical Function in Obese, Older Adults with Chronic Low Back Pain (PI: Vincent HK)
Participation: Co-Investigator (3-4% Effort)
Type: R03AR057552
Agency: National Institutes of Health (NIAMS)
Direct Costs: \$150,000
Funding Period: 2010 – 2012

This study investigates the effects of resistance exercise on physical and psychosocial outcomes from older, obese adults with chronic low back pain.

Title: Central Mechanisms of Body Based Intervention for Musculoskeletal Low Back Pain (PI: Bishop MD)
Participation: Co-Investigator (10% Effort)
Type: R01AT006334
Agency: National Institutes of Health (NCCAM)
Direct Costs: \$1,250,000
Funding Period: 2011 – 2016

This study is investigating the changes in brain activity that occur a) from transition of pain free to exercise induced low back pain and b) in response to spinal manipulation.

Completed: Principal Investigator

Title: Prevention of Low Back Pain in the Military: A Randomized Clinical Trial
Participation: Principal Investigator of Award Site (30% Effort)
Type: PR054098
Agency: Department of Defense
Direct Costs: \$890,000
Funding Period: 2006 – 2011 (1 year no cost extension)
This cluster randomized clinical trial investigates the effect of a novel prevention program to limit the development of chronic low back pain in Soldiers.

Title: Mechanisms of Neural Mobilization for Chronic Pain
Participation: Principal Investigator (25% Effort)
Type: R21AT002796
Agency: National Institutes of Health (NCCAM)
Direct Costs: \$270,000
Funding Period: 2007 – 2009 (1 year no cost extension)
This study investigated whether patients with carpal tunnel syndrome demonstrate excessive central sensitization of pain and if a novel manipulative and body-based method (neural mobilization) reduces central sensitization of pain.

Title: Behavioral Interventions for Low Back Pain
Participation: Principal Investigator (25% Effort)
Type: R03AR051128
Agency: National Institutes of Health (NIAMS)
Direct Costs: \$150,000
Funding Period: 2005 – 2009 (1 year no cost extension)
This randomized trial compared the efficacy of two different behavioral interventions for reducing disability in patients with acute and sub-acute low back pain.

Title: Biopsychosocial Factors' Influence on Shoulder Pain
Participation: Principal Investigator (20% Effort)
Type: Research Opportunity Incentive Fund
Agency: University of Florida
Direct Costs: \$87,500
Funding Period: 2005 – 2006
This study investigated the contribution of specific genetic and psychological factors to the development of post-operative chronic shoulder pain.

Ended: Co-Investigator

Title: Pain Rehabilitation: Patient Centered Outcomes (PI: Robinson ME)
Participation: Co-Investigator (5% Effort)
Type: R01NS047119
Agency: National Institutes of Health (NINDS/NIMH)
Direct Costs: \$750,000
Funding Period: 2006 – 2009
This study investigated the reliability and validity of patient determined criteria for outcomes related to various pain rehabilitation interventions.

Title: The Effect of Plyometric Exercise Intensity on Function & Articular Cartilage Metabolism After ACL Reconstruction (PI: Chmielewski TL)
Participation: Co-investigator (1% Effort)
Type: Research Grant
Agency: National Football League Charities
Direct Costs: \$125,000
Funding Period: 2008 – 2010
This study investigated differences in plyometric exercise protocols on return to sport and cartilage degradation.

Publications

* - post-doc or student author mentored by SZG
Underline – senior author

Peer-Review

1. Werneke MW, Hart DL, **George SZ**, Deutscher D, Stratford PW. Change in psychosocial distress associated with pain and functional status outcomes in patients with lumbar impairments referred to physical therapy services. *J Orthop Sports Phys Ther*, in press.
2. Zeppieri G, Lentz TA, Atchison JW, Indelicato PA, Moser MW, Vincent KR, **George SZ**. Patient defined success criteria for musculoskeletal pain outcomes in outpatient physical therapy settings. *Arch Phys Med Rehabil*, in press.
3. Simon CB*, Stryker SE, **George SZ**. Comparison of work-related fear-avoidance across different anatomical locations with musculoskeletal pain. *J Pain Research*, in press.
4. Coronado RC*, Wurtzel WA, Simon CB, Riddle DL, **George SZ**. Bibliometric analysis of articles published from 1980 to 2009 in the Journal of Orthopaedic & Sports Physical Therapy. *J Orthop Sports Phys Ther*, in press.
5. Bialosky JE, Bishop MD, Price DD, Robinson ME, **George SZ**. Heightened pain sensitivity in individuals with signs and symptoms of carpal tunnel syndrome and its relationship to clinical outcomes following a manual therapy intervention. *Man Ther*, in press.
6. Hart DL, Werneke MW, **George SZ**, Deutscher D. Single item screens identified patients with elevated levels of depressive and somatization symptoms in outpatient physical therapy. *Qual Life Res*, in press.
7. **George SZ**, Lentz TA, Zeppieri G, Lee D, Chmielewski TL. Analysis of shortened versions of the Tampa Scale for Kinesiophobia and Pain Catastrophizing Scale for patients following anterior cruciate ligament reconstruction. *Clin J Pain*, in press.
8. Coronado RA*, Alappattu MJ*, Hart DL, **George SZ**. Total number and severity of comorbidities do not differ based on anatomical location of musculoskeletal pain. *J Orthop Sports Phys Ther*, in press.
9. Chmielewski TL, Zeppieri G, Lentz TA, Tillman SM, Moser MW, Indelicato PA, **George SZ**. Longitudinal changes in psychosocial factors and their association with knee pain and function after ACL reconstruction. *Phys Ther*, in press.
10. Hart DL, Werneke MW, **George SZ**, Deutscher D, Stratford PW. Using intake and change in multiple psychosocial measures to predict functional status outcomes in people with lumbar spine impairments: a preliminary analysis. *Phys Ther*, in press.

11. Bishop MD, Beneciuk JM*, **George SZ**. Immediate reduction in temporal sensory summation after thoracic spine manipulation. *Spine J*, in press.
12. Bialosky JE, Bishop MD, **George SZ**, Robinson ME. Placebo response to manual therapy: Something out of nothing? *J Man Manip Ther*, in press.
13. Childs JD, Teyhen DS, Van Wyngaarden JJ, Dougherty BF, Ladislav BJ, Helton GL, Robinson ME, Wu SS, **George SZ**. Predictors of web-based follow-up response in the Prevention of Low Back Pain in the Military Trial. *BMC Musculoskelet Disord*, 2011;12:132.
14. Bishop MD, Horn ME, **George SZ**. Exercise-induced pain intensity predicted by pre-exercise fear of pain and pain sensitivity. *Clin J Pain*, 2011;27(5):398-404.
15. Alappattu MJ, Bishop MD, Bialosky, **George SZ**, Robinson ME. Stability of behavioral estimates of activity-dependent modulation of pain. *J Pain Res*, 2011;4: 151-157.
16. Hart DL, Werneke MW, Deutscher D, **George SZ**, Stratford PW. Effect of fear-avoidance beliefs of physical activities on a model that predicts risk-adjusted functional status outcomes in patients treated for a lumbar spine dysfunction. *J Orthop Sports Phys Ther*, 2011;41(5):336-345.
17. Main CJ and **George SZ**. Psychologically informed practice for management of low back pain: future directions in practice and research. *Phys Ther*, 2011;91(5):820-824.
18. Fritz JM, Beneciuk JM*, **George SZ**. The relationship between categorization and the STarT back screening tool and prognosis for patients with low back pain receiving physical therapy. *Phys Ther*, 2011;91(5):722-732.
19. Nicholas MK and **George SZ**. Psychologically informed interventions for low back pain: an update for physical therapists. *Phys Ther*, 2011;91(5):765-776.
20. Coronado RA*, Riddle DL, Wurtzel WA*, **George SZ**. Bibliometric analysis of articles published from 1980 to 2009 in *Physical Therapy*, Journal of the American Physical Therapy Association. *Phys Ther*, 2011;91(5):642-655.
21. **George SZ** and Stryker SE. Fear-avoidance beliefs and clinical outcomes across multiple anatomical locations for patients seeking outpatient physical therapy for musculoskeletal pain. *J Orthop Sports Phys Ther*, 2011;41(4): 249-259.
22. Teyhen DS, **George SZ**, Dugan JL, Williamson JN, Neilson BD, Childs JD. Inter-rater reliability of ultrasound imaging of the trunk musculature among novice raters. *J Ultrasound Med*, 2011;30(3):347-356.
23. Coronado RA*, Kindler LL*, Valencia C*, **George SZ**. Thermal and pressure pain sensitivity in patients with unilateral shoulder pain: comparison of involved and uninvolved sides. *J Orthop Sports Phys Ther*, 2011;41(3):165-173.
24. **George SZ**, Coronado RA, Beneciuk JM, Valencia C, Werneke MW, Hart DL. Depressive symptoms, anatomical region, and clinical outcomes for patients seeking outpatient physical therapy for musculoskeletal pain. *Phys Ther*, 2011;91(3): 358-372.

25. Bishop MD, Horn ME, **George SZ**, Robinson ME. Self-reported pain and disability outcomes from an endogenous model of muscular back pain. *BMC Musculoskelet Disord*, 2011;12:35.
26. **George SZ**, Calley D*, Valencia C*, Beneciuk JM*. Clinical investigation of pain related fear and pain catastrophizing for patients with low back pain. *Clin J Pain*, 2011;27(2):108-115.
27. Valencia C*, Robinson ME, **George SZ**. Socioeconomic status influences the relationship among fear-avoidance beliefs and disability. *Pain Med*, 2011;12(2):328-336.
28. Kindler LL*, Valencia C*, Fillingim RB, **George SZ**. Sex differences in experimental and clinical pain sensitivity for patients with shoulder pain. *Eur J Pain*, 2011;12(2):118-123.
29. Valencia C*, Fillingim RB, **George SZ**. Suprathreshold heat response is associated with clinical pain intensity for patients with shoulder pain. *J Pain*, 2011;12(1):133-140.
30. Vincent HK, Omli MR, Day T, Hodges M, Vincent KR, **George SZ**. Fear of movement, quality of life, and self-reported disability in obese patients with chronic lumbar pain. *Pain Med*, 2011;12(1):154-164.
31. Calley D*, Jackson S, Collins H, **George SZ**. Identifying patient fear-avoidance beliefs by physical therapists managing patients with low back pain. *J Orthop Sports Phys Ther*, 2010;40(12):774-783.
32. Stutts LA, Hirsh AT, **George SZ**, Robinson ME. Investigating patient characteristics on pain assessment using virtual human technology. *Eur J Pain*, 2010;14(10):1040-1045.
33. **George SZ** and Robinson ME. Preference, expectation, and satisfaction in a clinical trial of behavioral interventions for acute and sub-acute low back pain (NCT00373867). *J Pain*, 2010;11(11):1074-1082.
34. Childs JD, Teyhen DS, Casey PR, McCoy-Singh KA, Feldtmann AW, Wright AC, Dugan JL, Wu SS, **George SZ**. Effects of traditional sit-up training versus core stabilization exercises on short-term musculoskeletal injury rates in US Army Soldiers: A randomized clinical trial. *Phys Ther*, 2010;90(10):1404-1412.
35. **George SZ**, Wittmer VT, Fillingim RB, Robinson ME. Comparison of graded exercise and graded exposure clinical outcomes for patients with chronic low back pain. *J Orthop Sports Phys Ther*, 2010;40(11):694-704.
36. Vincent HK, Lamb KM, Day TI, Tillman SM, Vincent KR, **George SZ**. Morbid obesity is associated with fear of movement and lower quality of life in patients with knee pain-related diagnoses. *PMR*, 2010;2(8):713-722.
37. Mintken PE, Cleland JA, Whitman JM, **George SZ**. Psychometric properties of the Fear-Avoidance Beliefs Questionnaire and Tampa Scale of Kinesiophobia in patients with shoulder pain. *Archives Phys Med Rehabil*, 2010;91(7):1128-1136.
38. Beneciuk JM*, Bishop MD, **George SZ**. Pain catastrophizing predicts pain intensity during a neurodynamic test for the median nerve in health participants. *Man Ther*, 2010;15(4):370-375.
39. **George SZ**, Valencia CV*, Beneciuk JM*. A psychometric investigation of fear-avoidance model measures in patients with chronic low back pain. *J Orthop Sports Phys Ther*, 2010;40(4):197-205.

40. Robinson ME, Bialosky JE*, Bishop MD, Price DD, **George SZ**. Supra-threshold scaling, temporal summation, and after-sensation: relationships to each other and anxiety/fear. *J Pain Res*, 2010;3:25-32.
41. Bialosky JE*, Bishop MD, Robinson ME, **George SZ**. The relationship of the audible pop to hypoalgesia associated with high velocity, low amplitude thrust manipulation. A secondary analysis of an experimental study in pain free participants. *J Manipulative Physiol Ther*, 2010;33(2):117-124.
42. Bishop MD, Craggs JG, Horn ME, **George SZ**, Robinson ME. Relationship of intersession variation in negative pain-related affect and responses to thermally evoked pain. *J Pain*, 2010;11(2):172-8.
43. Childs JD, Teyhen DS, Benedict TM, Morris JB, Fortenberry AD, McQueen RM, Preston JB, Wright AC, Dugan JL, **George SZ**. Effects of sit-up training versus core stabilization exercises on sit-up performance. *Med Sci Sports Exerc*, 2009;41(11):2072-2083.
44. Bialosky JE*, Bishop MD, Zeppieri G, **George SZ**. Spinal manipulative therapy has an immediate effect on thermal pain sensitivity in people with low back pain: a randomized controlled trial. *Phys Ther*, 2009;89(12):1292-1303.
45. Bialosky JE*, Bishop MD, Price DD, Robinson ME, Vincent KR, **George SZ**. A randomized sham controlled trial of a neurodynamic technique in the treatment of carpal tunnel syndrome (NCT00929123). *J Orthop Sports Phys Ther*, 2009;39(10):709-723.
46. **George SZ**, Valencia C*, Zeppieri G, Robinson ME. Development of a self report measure of fearful activities for patient with low back pain – the Fear of Daily Activities Questionnaire (FDAQ). *Phys Ther*, 2009;89(9):969-979.
47. Bialosky JE*, Bishop MD, Price DD, Robinson ME, **George SZ**. The mechanisms of manual therapy in the treatment of musculoskeletal pain: a proposed comprehensive model. *Man Ther*, 2009;14:531-538.
48. Hart DL, Werneke MW, **George SZ**, Matheson JW, Wang YC, Cook KF, Mioduski JE, Choi SW. Single items of fear-avoidance beliefs scales for work and physical activities accurately identified patients with high fear. *Phys Ther*, 2009;89(8):770-785.
49. **George SZ**, Teyhen DS, Wu SS, Wright AC, Dugan JL, Yang G, Robinson ME, Childs JD. Psychosocial education improves low back pain beliefs: results from a cluster randomized clinical trial (NCT00373009) in a primary prevention setting. *Eur Spine J*, 2009 18(7):1050-1058.
50. Robinson ME, Teyhen DS, Wu SS, Wright AC, Dugan JL, Yang G, Childs JD, **George SZ**. Mental health symptoms in combat medic training: a longitudinal examination. *Mil Med*, 2009;174(6):572-577.
51. **George SZ** and Zeppieri G. Physical therapy utilization of graded exposure for patients with low back pain. *J Orthop Sports Phys Ther*, 2009;39(7):496-505.
52. Beneciuk JM*, Bishop MD, **George SZ**. Effects of upper-extremity neural mobilization on thermal pain sensitivity: a sham controlled study in asymptomatic participants. *J Orthop Sports Phys Ther*, 2009;39(6):428-438.

53. Werneke MW, Hart DL, **George SZ**, Stratford PW, Matheson JW, Reyes A. Clinical outcomes for patients classified by fear-avoidance beliefs and centralization phenomenon. *Archives Phys Med Rehabil*, 2009;90:768-777.
54. Lentz TA*, Barabas J, Bishop MD, Day T, **George SZ**. The relationship of pain intensity, physical impairment, and pain-related fear to function in patients with shoulder pathology. *J Orthop Sports Phys Ther*, 2009;39(4):270-7.
55. Hirsh AT, **George SZ**, Robinson ME. Pain assessment and treatment disparities: a virtual human technology investigation. *Pain*, 2009;143(1-2):106-113.
56. **George SZ** and Hirsh AT*. Psychological influence on experimental pain sensitivity and clinical pain intensity for patients with shoulder pain. *J Pain*, 2009;10(3):293-299.
57. Beneciuk JM*, Bishop MD, **George SZ**. Clinical prediction rules for physical therapy interventions: a systematic review. *Phys Ther*, 2009;89:114-124.
58. Lentz TA, Tillman SM, Moser MW, Indelicato PA, **George SZ**, Chmielewski TL. Factors associated with function after anterior cruciate ligament reconstruction. *Sports Health*, 2009;1(1) 47-53.
59. Dannecker EA and **George SZ**. A comparison of laboratory measures of escape and avoidance behavior. *J Pain*, 2009;10(1):53-59.
60. Chmielewski TL, Jones D, Day T, Tillman S, Lent TA, **George SZ**. The association of fear of movement/re-injury and function during anterior cruciate ligament reconstruction rehabilitation. *J Orthop Sports Phys Ther*, 2008;38(12):746-753.
61. Bialosky JE*, Hirsh AT, Robinson ME, **George SZ**. Manipulation of pain catastrophizing: an experimental study of healthy subjects. *J Pain Res*, 2008;1:35-41.
62. **George SZ**, Zeppieri G, Cere AL, Cere MR, Borut MS, Hodges MJ, Reed DM, Valencia C, Robinson ME. A randomized trial of behavioral physical therapy interventions for acute and sub-acute low back pain (NCT00373867). *Pain*, 2008;140:145-157.
63. **George SZ**, Dover GC, Wallace MR, Sack BK, Herbstman DM, Aydog E, Fillingim RB. Biopsychosocial influence on exercise-induced delayed onset muscle soreness at the shoulder: pain catastrophizing and catechol-*O*-methyltransferase (*COMT*) diplotype predict pain ratings. *Clin J Pain*, 2008; 24(9):793-801.
64. Hirsh AT, **George SZ**, Bialosky JE*, and Robinson ME. Fear of pain, pain catastrophizing, and acute pain perception: relative prediction and timing of assessment. *J Pain*, 2008; 9(9):806-812.
65. **George SZ**, Wallace MR, Wright TW, Moser MW, Greenfield WH, Sack BK, Herbstman DM, Fillingim RB. Evidence for a biopsychosocial influence on shoulder pain: pain catastrophizing and catechol-*O*-methyltransferase (*COMT*) diplotype predict clinical pain ratings. *Pain*, 2008;136(1):53-61.
66. Bialosky JE*, Bishop MD, Robinson ME, Barabas JA*, **George SZ**. The influence of expectation on spinal manipulation induced hypoalgesia: an experimental study in normal subjects. *BMC Musculoskelet Disord*, 2008;9:19.

67. **George SZ**, Childs JD, Fritz JM. Investigation of elevated fear-avoidance beliefs for patients with low back pain: a secondary analysis involving patients enrolled in physical therapy clinical trials. *J Orthop Sports Phys Ther*, 2008;38(2):50-58.
68. Mann BJ, Grana WA, Indelicato PA, **George SZ**. A survey of sports medicine physicians regarding psychological issues in athlete-patients. *Am J Sports Med*, 2007;35(12):2140-2147.
69. Peters C* and **George SZ**. Outcomes following plyometric rehabilitation for the young throwing athlete: a case report. *Physiother Theor Pract*, 2007;23(6):351-364.
70. **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). *BMC Musculoskelet Disord*, 2007;8:92.
71. Dannecker EA, **George SZ**, Robinson ME. Influence and stability of pain anchors for an investigation of cold pressor pain tolerance. *J Pain*, 2007;8(6):476-482.
72. **George SZ**, Bialosky JB*, Wittmer VT, Robinson ME. Sex differences in pain drawing area for individuals with chronic musculoskeletal pain. *J Orthop Sports Phys Ther*, 2007;37(3) 115-121.
73. Fritz SL, **George SZ**, Wolf SL, Light KE. Participant perception of recovery as criterion to establish importance of improvement for constraint-induced movement therapy outcome measures: results from a preliminary study. *Phys Ther*, 2007;87(2):170-178.
74. Hirsh AT, **George SZ**, Riley JL, and Robinson ME. An evaluation of the construct and measurement of pain catastrophizing by the pain coping questionnaire. *Eur J Pain*, 2007;11:75- 81.
75. **George SZ**, Dover GC, Fillingim RB. Fear of pain influences outcomes following exercise induced delayed onset muscle soreness at the shoulder. *Clin J Pain*, 2007;1:76-84.
76. **George SZ**, Wittmer VT, Fillingim RB, Robinson ME. Sex and pain-related psychological variables are associated with thermal pain sensitivity for patients with chronic low back pain. *J Pain*, 2007;8(1):2-10.
77. Hicks GE, **George SZ**, Nevitt MA, Cauley JA, Vogt MT. Measurement of lumbar lordosis: Inter-rater reliability, minimum detectable change, and longitudinal variation. *J Spinal Disord and Tech*, 2006;19(7):501-506.
78. **George SZ**, Bishop MD, Bialosky JE*, Zeppieri G, Robinson ME. The immediate analgesic effects of spinal manipulation on thermal pain sensitivity. *BMC Musculoskelet Disord*, 2006;7:68.
79. **George SZ**, Fritz JM, Childs JD, Brennan GP. Sex differences in predictors of outcome in selected physical therapy interventions for patients with acute low back pain. *J Orthop Sports Phys Ther*, 2006;36(6):554-563.
80. **George SZ**, Wittmer VT, Fillingim RB, Robinson ME. Fear-avoidance beliefs and temporal summation of evoked thermal pain influence self-report of disability in patients with chronic low back pain. *J Occup Rehabil*, 2006;16(1):92-105.

81. **George SZ**, Dannecker EA, Robinson ME. Fear of pain, not pain catastrophizing, predicts acute pain intensity, but neither factor predicts tolerance or blood pressure response: an experimental investigation in pain-free individuals. *Eur J Pain*. 2006;10:457- 465.
82. Ilfeld BM, Gearen PF, Enneking FK, Berry LF, Spadoni EH, **George SZ**, Vandeborne K: Total hip arthroplasty as an overnight-stay procedure using an ambulatory continuous psoas compartment nerve block: a prospective feasibility study. *Reg Anesth Pain Med*. 2006; 31(2):113-118.
83. **George SZ**, Fritz JM, and McNeil DW. Fear-avoidance beliefs as measured by the fear-avoidance beliefs questionnaire (FABQ): change in FABQ is predictive of change in self-report of disability and pain intensity for patients with acute low back pain. *Clin J Pain*. 2006;22:197-203.
84. Ilfeld BM, Gearen PF, Enneking FK, Berry LF, Spadoni EH, **George SZ**, Vandeborne K: Total knee arthroplasty as an overnight-stay procedure using continuous femoral nerve blocks at home: a prospective feasibility study. *Anesth Analg*. 2006;102:87-90.
85. **George SZ**, Bialosky JE, Donald DA. The centralization phenomenon and fear-avoidance beliefs as prognostic factors for acute low back pain: a preliminary investigation involving patients classified for specific exercise. *J Orthop Sports Phys Ther*. 2005;35(9):580-587.
86. Robinson ME, Brown JL, **George SZ**, Edwards PS, Atchison JW, Hirsh AT, Waxenberg LB, Wittmer V, and Fillingim RB. Multidimensional success criteria and expectations for treatment of chronic pain: The patient perspective. *Pain Med*. 2005;6(5):336- 345.
87. **George SZ** and Hirsh AT*. Distinguishing patient satisfaction with treatment delivery from treatment effect: a preliminary investigation of patient satisfaction with symptoms following physical therapy treatment of low back pain. *Archives Phys Med Rehabil*. 2005;86:1338-1344.
88. Robinson ME, Dannecker EA, **George SZ**, Otis J, Atchison JW, Fillingim RB. Sex differences in the associations among psychological factors and pain report: a novel psychophysical study of patients with chronic low back pain. *J Pain*. 2005;6(7):463-470.
89. **George SZ** and Delitto A. Clinical examination variables discriminate between treatment based classification groups. *Phys Ther*. 2005;85:306-314.
90. Stevens JE, Walter GA, Okereke E, Scarborough JL, **George SZ**, Kelley MJ, Tillman SM, Gibbs JD, Elliot MA, Frimel TN, Gibbs CP, Vandeborne K. Muscle adaptations with immobilization and rehabilitation after ankle fracture. *Med Sci Sports Exerc*. 2004;36(10):1695-1701.
91. Robinson ME, **George SZ**, Dannecker EA, Jump RL, Hirsh AT, Gagnon CM, Brown JL. Sex differences in pain anchors revisited: further investigation of “most intense” pain events and common pain events. *Eur J Pain*. 2004;8:299-305.
92. **George SZ**, Bialosky JE, Fritz JM. Physical therapy management of a patient with acute low back pain and elevated fear-avoidance beliefs – a case report. *Phys Ther*. 2004;84(6):538-549.
93. **George SZ**, Fritz JM, Bialosky JE, Donald DA. The effect of a fear-avoidance based physical therapy intervention for patients with acute low back pain: results of a randomized clinical trial. *Spine*. 2003;28(23):2551-2560.

94. **George SZ**, Hicks GE, Nevitt MA, Cauley JA, Vogt MT. The relationship between lumbar lordosis and radiological variables and lumbar lordosis and clinical variables in older, African-American women. *J Spinal Disord and Tech.* 2003;16(2):200-206.
95. Fritz JM and **George SZ**. Identifying specific psychosocial factors in patients with acute, work-related low back pain: The importance of fear avoidance beliefs. *Phys Ther.* 2002;82(10): 973-983.
96. **George SZ**. Symptom characteristics of patients treated with slump stretching. *J Orthop Sports Phys Ther.* 2002;32(8):391-398.
97. **George SZ** and Delitto A. Management of the athlete with low back pain. *Clin Sports Med.* 2002;21(1):105-120.
98. **George SZ**, Fritz JM, Erhard RE. A comparison of fear-avoidance beliefs in patients with lumbar spine pain and cervical spine pain. *Spine.* 2001;26(19):2139-2145.
99. Fritz JM, **George SZ**, Delitto A. The role of fear-avoidance beliefs in acute low back pain: relationships with current and future disability and work status. *Pain.* 2001;94(1):7-15.
100. **George SZ**. Differential diagnosis and treatment for a patient with lower extremity symptoms. *J Orthop Sports Phys Ther.* 2000;30(8):468-72.
101. Fritz JM and **George S**. The use of a classification approach to identify subgroups of patients with acute low back pain. Interrater reliability and short-term treatment outcomes. *Spine.* 2000;25(1):106-14.

Submitted for Peer-Review

* - student or post-doctoral author mentored by SZG

Underline – senior author

1. Bishop MD, Horn ME, Lott DJ, Arpan I, **George SZ**. No association between spinal muscle damage and exercise induced low back pain intensity. *Spine J*, in review.
2. Lentz TA, Tillman SM, Indelicato PA, Moser MW, **George SZ**, Chmielewski TL. Clinical factors that differ between return to sports status groups following ACL reconstruction. *J Orthop Sports Phys Ther*, in review.
3. **George SZ**, Childs JD, Teyhen DS, Wu SS, Wright AC, Dugan JL, Robinson ME. Brief psychosocial education, not core stabilization, reduced health care utilization for low back pain: results from the Prevention of Low Back Pain in the Military (POLM) cluster randomized trial. *Spine*, in review.
4. **George SZ** and Bishop MD. Patient subgroups for acute and sub-acute low back pain: a pragmatic answer to a major problem. *Clin J Pain*, in review.
5. Beneciuk JM*, Robinson ME, **George SZ**. Low back pain subgroups using fear-avoidance model measures: results of a cluster analysis. *Clin J Pain*, in review.
6. Valencia C*, Kindler LK, Fillingim RB, **George SZ**. Investigation of central pain processing in shoulder pain: converging results from two musculoskeletal pain models. *J Pain*, in review.

7. **George SZ**, Childs JD, Teyhen DS, Wu SS, Wright AC, Dugan JL, Robinson ME. Predictors of occurrence and severity of first time low back pain episodes: findings from a military inception cohort. *PLOS One*, in review.
8. Parr JJ*, Borsa PA, Fillingim RB, Tillman MD, Manini TM, Gregory CM, and **George SZ**. Pain related fear and catastrophizing predict pain intensity and disability independently using an induced muscle injury model. *J Pain*, in review.

Guest Editorials

1. Main CJ and **George SZ**. Psychosocial influences on low back pain: why should you care? *Phys Ther*. 2011; 91(5):609-613.
2. **George SZ** and Robinson ME. Dynamic nature of the placebo response. *J Orthop Sports Phys Ther*. 2010;40(8):452-454.
3. **George SZ**. It came from the swamp: gators answer the call. *Orthopaedic Physical Therapy Practice*. 2008;20(4): 167.
4. Bialosky JE, **George SZ**, Bishop MD. How spinal manipulative therapy works: why ask why? *J Orthop Sports Phys Ther*. 2008;38(6):293-5.
5. **George SZ**. Out of the mouths of babes: student-cited barriers to evidence-based practice. *Orthop Phys Ther Pract*. 2007;19(1):5-6.
6. **George SZ**. Fear: a factor to consider in musculoskeletal rehabilitation. *J Orthop Sports Phys Ther*. 2006;36(5):264-266.

Letters to Editor, Responses, and Commentaries

1. **George SZ**, Beneciuk JM, Bishop MD. Author response to “On Clinical Prediction Rules for Physical Therapy Interventions...” *Phys Ther*. 2009
2. **George SZ** and Robinson ME. Response to Keele team’s response letter. *Pain*. 2009 (142); 154-155.
3. Bialosky JE, Bishop MD, **George SZ**. Regional interdependence: a musculoskeletal examination model whose time has come. *J Orthop Sports Phys Ther*. 2008 Mar;38(3):159; author reply 160.
4. **George SZ** and Robinson ME. Risk and physical therapy. *J Orthop Sports Phys Ther*. 2007 Sep;37(9):570-1; author reply 571-2.
5. **George SZ** and Fritz JM. Authors’ response to letter to the Editor-in-Chief. *J Orthop Sports Phys Ther*. 2005;35(12):845-847.

Other Manuscripts

* - student author mentored by SZG
Underline – senior author

1. McCrea EC and **George SZ**. Outcome following augmented soft tissue mobilization for patients with knee pain: a case series. *Orthop Phys Ther Pract*, 2010;22(2):69-74.
2. Groth KR, Finnie L, **George SZ**. Varying responses to similar physical therapy interventions for cervical radiculopathy: a case series. *Orthop Phys Ther Pract*, 2010;22(2):83-89.
3. Dunn MK* and **George SZ**. Comparison of preoperative and postoperative functional and psychosocial outcome measures in a patient with acute noncontact knee dislocation: a case report. *Orthop Phys Ther Pract*, 2009;21(3):78-86.
4. Balla J* and **George SZ**. The use of a modified treatment based classification system to treat an adolescent with imaging evidence of a herniated disc. *Orthop Phys Ther Pract*, 2008;20(4):175-181.
5. Mastrogiovanni S* and **George SZ**. The association between leg length discrepancy and pre-operative total joint replacement: a case control study. *Orthop Phys Ther Pract*, 2008;20(4):182-187.
6. Butrimas NJ* and **George SZ**. Manual therapy for a patient diagnosed with multilevel cervical spondylosis: a case report. *Orthop Phys Ther Pract*, 2007;17(1):18-23.
7. Bargar CJ* and **George SZ**. Treatment of a young male patient with left upper arm pain and left arm numbness: a case report. *Orthop Phys Ther Pract*, 2007;17(1): 25-32.

Book Chapters and Monographs

1. George SZ. A physical therapist's perspective on manual therapy: clinical effectiveness and selected mechanism. Chapter 14 in *The science and clinical application of manual therapy*. Elsevier. Edinburgh (UK). Editors: King H, Jnig W, Patterson M (2011).
2. **George SZ**. Spinal pain. Chapter 16 in *Mechanisms and management of pain for the physical therapist*. International Association for the Study of Pain Press. Seattle, WA (USA). Editor: Sluka KA (2009).
3. Frey Law L and **George SZ**. Individual differences and pain variability. Chapter 4 in *Mechanisms and management of pain for the physical therapist*. International Association for the Study of Pain Press. Seattle, WA (USA). Editor: Sluka KA (2009).
4. **George SZ**. Contributor to *Writing case reports: a how to manual for clinicians*, 3rd edition. American Physical Therapy Association. Alexandria, VA (USA). Editor: Irene McEwen (2009).
5. **George SZ** and Bishop MD. Low back pain: causes and differential diagnosis. Chapter 9 in *Musculoskeletal rehabilitation, 1st edition, volume III (treatment of pathology and injuries)*. Saunders Elsevier. St. Louis, MO (USA). Editors: Magee DJ, Zachazewski JE, Quillen WS (2009).
6. **George SZ**. Psychological screening and management of the patient with low back pain. Orthopaedic Section, American Physical Therapy Association; Home Study Course 18.1.4 (2008); *Low back pain and the evidence for effectiveness of physical therapy interventions*.
7. **George SZ**, Delitto A, Lehman RC. Conservative treatment of athletes with low back syndromes. Chapter 29 in *Low back syndromes: integrated clinical management*, 1st edition. McGraw-Hill Companies, Inc. New York, NY. Editor: Morris CE (2006).

8. **George SZ** and Fritz JM. Physical therapy management of fear avoidance in patients with low back pain. Orthopaedic Section, American Physical Therapy Association; Home Study Course 13.1.2 (2003); *Including the patient in therapy: the power of psyche*.

Published Abstracts

1. Hsieh CJ, Dominguez JA, Moser MW, Indelicato PA, Cicuttini FM, **George SZ**, Chielewski TL. Gait asymmetry after meniscal tear is associated with knee pain intensity and fear of movement/re-injury. *World Congress on Osteoarthritis*, abstracted 2011.
2. Larkin KA, Borsa PA, Parr JJ, **George SZ**. Pain intensity with abduction consistently associated with shoulder disability during recovery of induced muscle pain. *J Athl Train*, abstracted 2011.
3. Beneciuk JM, Robinson ME, **George SZ**. The fear-avoidance model of musculoskeletal pain and low back pain subgrouping: results of a cluster analysis. *J Pain*, abstracted 2011
4. Valencia C, Fillingim RB, **George SZ**. Experimental pain sensitivity does not differ three months after surgery in patients with high and low clinical pain intensity. *J Pain*, abstracted 2011
5. Parr JJ, Borsa PA, Fillingim RB, Tillman MD, Manini TM, Gregory CM, **George SZ**. Fear of pain and pain catastrophizing predict pain intensity using an induced muscle injury model regardless of timing of assessment. *J Pain*, abstracted 2011.
6. **George S** and Stryker S. Investigation of fear-avoidance beliefs and clinical outcomes across multiple anatomical locations. *J Orthop Sports Phys Ther*, abstracted 2011.
7. **George S**, Lentz T, Zeppieri Jr G, Lee D, Chmielewski T. Psychometric analysis of the Tampa Scale for Kinesiophobia in patients with anterior cruciate ligament reconstruction. *J Orthop Sports Phys Ther*, abstracted 2011.
8. Coronado R, Hart D, **George S**. Comorbidity rates for patients presenting to outpatient physical therapy. *J Orthop Sports Phys Ther*, abstracted 2011.
9. Bialosky J, Bishop M, **George S**. Pain sensitivity associated with carpal tunnel syndrome and clinical relevance. *J Orthop Sports Phys Ther*, abstracted 2011.
10. Beneciuk J, **George S**, Fritz J. Treatment-based classification subgroups among Start Back Screening Tool risk categories in patients seeking outpatient physical therapy. *J Orthop Sports Phys Ther*, abstracted 2011.
11. Lentz T, Zeppieri Jr G, Moser M, Indelicato P, **George S**, Chmielewski T. Fear of re-injury/low confidence 1 year after ACL reconstruction: high prevalence and altered self-ratings. *J Orthop Sports Phys Ther*, abstracted 2011.
12. Zeppieri Jr G, Lentz T, Atchison J, Indelicato P, Moser M, Vincent K, **George S**. Patient defined success criteria in outpatient physical therapy settings. *J Orthop Sports Phys Ther*, abstracted 2011.
13. Werneke M, Hart D, **George S**. Improvement in depressive symptoms and somatization affects functional status change in patients with lumbar impairments. *J Orthop Sports Phys Ther*, abstracted 2011.

14. Hart D, Werneke M, **George S**. Effect of fear-avoidance, somatization, and depressive symptoms on discharge functional status in patients with lumbar impairments. *J Orthop Sports Phys Ther*, abstracted 2011.
15. Childs J, Wu S, Van Wyngaarden J, Dougherty B, Ladislav B, Helton G, Teyhen D, **George S**. Predictors of web-based response rate in the Prevention of Low Back Pain in the Military trial. *J Orthop Sports Phys Ther*, abstracted 2011.
16. Stutts LA, Hirsh AT, **George SZ**, Robinson ME. The influence of patient characteristics on pain assessment: An investigation using virtual human technology. *J Pain*, abstracted 2010.
17. **George SZ** and Robinson ME. Patient satisfaction with behavioral physical therapy interventions: secondary analysis from a randomized clinical trial (NCT00373867). *J Orthop Sports Phys Ther*, abstracted 2010.
18. Childs JD, Teyhen DS, Wright AC, Dugan JL, Casey P, McCoy-Singh K, Weston A, **George SZ**. The effects of traditional sit-up training versus core stabilization exercises on musculoskeletal injury rates in US Army Soldiers: a cluster randomized trial (NCT00373009). *J Orthop Sports Phys Ther*, abstracted 2010.
19. Beneciuk JM, Bishop MD, **George SZ**. Immediate effects of thoracic spine manipulation on thermal pain sensitivity. *J Orthop Sports Phys Ther*, abstracted 2010.
20. Chmielewski TL, Zeppieri G, Rademaker M, Lentz TA, Tillman SA, **George SZ**, Indelicato PA, Moser MW. Changes in psychosocial factor levels and influence on function over 12 weeks after ACL reconstruction. *J Orthop Sports Phys Ther*, abstracted 2010.
21. Valencia C, Beneciuk J, **George S**. Fear-avoidance beliefs questionnaire consistently associated with clinical outcome measures in patients with chronic low back pain. *J Orthop Sports Phys Ther*, abstracted 2010.
22. Hart DL, Werneke MW, **George SZ**. Fear-avoidance beliefs of physical activities and risk-adjusted functional status for patients with lumbar impairments. *J Orthop Sports Phys Ther*, abstracted 2010.
23. Lentz TA, Tillman SM, Zeppieri G, **George SZ**, Moser MW, Indelicato PA, Chmielewski TL. Identification of factors that predict return to pre-injury level of sport participation 1 year following ACL reconstruction. *J Orthop Sports Phys Ther*, abstracted 2010.
24. Bialosky JE and **George SZ**. Factors predicting improved outcomes for individuals with carpal tunnel syndrome receiving upper extremity manual therapy. *J Orthop Sports Phys Ther*, abstracted 2010.
25. Horn M, **George S**, and Bishop M. Peripheral and central sensitization in induced low back pain. *J Orthop Sports Phys Ther*, abstracted 2010.
26. Valencia C and **George S**. Temporal summation in patients with shoulder pain: clinical and psychological correlates. *J Pain*, abstracted 2009.
27. **George S**, Zeppieri G, Robinson M, Valencia C. Psychometric properties of the fear of daily activities questionnaire (FDAQ) for patients with low back pain. *J Pain*, abstracted 2009.

28. Vincent HK, Omlil MR, Day T, Macheek M, Vincent KR, Braith RW, **George SZ**. Obesity is associated with lumbar pain related fear of movement and self reported mobility impairment. *Med Sci Sports Exerc*, abstracted 2009.
29. **George SZ**, Teyhen DS, Wu SS, Wright A, Dugan JL, Yang G, Robinson ME, Childs JD. Psychosocial education improves low back pain beliefs: results from a cluster randomized clinical trial (NCT00373009). *J Orthop Sports Phys Ther*, abstracted 2009.
30. Valencia C and **George SZ**. Socioeconomic status influences the relationship among fear-avoidance beliefs about work and disability. *J Orthop Sports Phys Ther*, abstracted 2009.
31. Beneciuk JM and **George SZ**. Clinical prediction rules pertaining to interventions used in physical therapy outpatient orthopaedic settings: a systematic review. *J Orthop Sports Phys Ther*, abstracted 2009.
32. Lentz TA, Tillman SM, Moser MW, Indelicato PA, **George SZ**, Chmielewski TL. Clinical factors that differ between return to sport status groups in patients with ACL reconstruction. *J Orthop Sports Phys Ther*, abstracted 2009.
33. Childs JD, **George SZ**, Wright A, Dugan JL, Benedict T, Bush J, Fortenberry A, Preston J, McQueen R, Teyhen DS. The effects of traditional sit-up training versus core stabilization exercises on sit-up performance in US Army soldiers: a cluster randomized trial (NCT00373009). *J Orthop Sports Phys Ther*, abstracted 2009.
34. Teyhen, DS, Childs JD, Hall NM, Gervacio SC, Lopez JA, Mitchler JR, Wright A, Dugan JL, **George SZ**. The influence of sex, height, and weight on trunk muscle thickness and endurance. *J Orthop Sports Phys Ther*, abstracted 2009.
35. Hart DL, Werneke MW, George SZ, Matheson JW, Wang YC, Cook KF, Mioduski JE, Choi SW. Single items of fear-avoidance beliefs scales for work and physical activities accurately identified patients with high fear. *J Orthop Sports Phys Ther*, abstracted 2009.
36. Jones D, **George SZ**, Rivett J, Wolfe MK, Chmielewski TL. Fear of movement/reinjury and self-efficacy are associated with function in subjects with knee injury. *J Orthop Sports Phys Ther*, abstracted 2009.
37. Chmielewski TL, Tillman SM, Dunn JC, Lentz TA, **George SZ**, Indelicato PA, Moser MW. Elevated kinesiophobia in football players is associated with altered movement during a jump-landing task. *J Athl Train*, abstracted 2008.
38. Robinson M, Wittmer V, **George S**, Beneciuk J, Fillingim R. Opioids for chronic pain: to wean or not to wean. *J Pain*, abstracted 2008.
39. **George S**, Valencia C, Robinson M. The effect of evidence-based education modifications on fear-avoidance beliefs and pain catastrophizing for patient with low back pain. *J Pain*, abstracted 2008.
40. **George S**, Wittmer V, Beneciuk J, Fillingim R, and Robinson M. The influence of negative mood and pain catastrophizing on outcomes from a chronic pain rehabilitation program. *J Pain*, abstracted 2008.
41. **George S**, Dover G, Wallace M, Sack B, Herbstman D, Aydog E, Neff J, Fleming M, and Fillingim R. Biopsychosocial influence on induced shoulder pain. *J Pain*, abstracted 2008.

42. Hirsh A, **George S**, Fillingim R, Perlstein W, Manamalkav S, Robinson M. Investigating pain assessment and treatment disparities: a novel virtual human technology application. *J Pain*, abstracted 2008.
43. Bialosky J, **George S**, Hirsh A, Galmish R, Robinson M. A randomized study of the effects of catastrophizing on experimental pain. *J Pain*, abstracted 2008.
44. **George S**, Cere A, Zeppieri G, Cere M, Borut M, Hodges M, Valencia C, Robinson M. Behavioral interventions for sub-acute low back pain. *J Orthop Sports Phys Ther*, abstracted 2008.
45. Bialosky J, **George S**, Barabas J, Bishop M, Robinson M. The effect of subject expectation on spinal manipulation induced hypoalgesia. *J Orthop Sports Phys Ther*, abstracted 2008.
46. Bialosky J, **George S**, Bishop M, Zeppieri G, Robinson M. Immediate effects of spinal manipulative therapy in subjects with low back pain: a pilot study. *J Orthop Sports Phys Ther*, abstracted 2008.
47. Bishop M and **George S**. Interaction between kinesiophobia and pain amplification in acute back pain. *J Orthop Sports Phys Ther*, abstracted 2008.
48. Lentz T, Barabas J, Day T, Bishop M, **George S**. The relationship of physical impairment, pain, and kinesiophobia to disability in patients with shoulder pathology. *J Orthop Sports Phys Ther*, abstracted 2008.
49. Lentz T, Tillman S, Moser M, Indelicato P, **George S**, Chmielewski T. Identifying impairments that predict function: a preliminary step in developing return-to-play guideline for ACL reconstruction. *J Orthop Sports Phys Ther*, abstracted 2008.
50. Chmielewski T, Jones D, Day T, Tillman S, **George S**. The association of fear of re-injury and function during anterior cruciate ligament reconstruction rehabilitation. *J Orthop Sports Phys Ther*, abstracted 2008.
51. Dover GC, Aydog E, Neff JS, Fleming M, **George S**. What predicts self reported outcomes after exercise-induced delayed onset muscle soreness of the shoulder? *Medicina Sportiva Bohemica et Slovaca*, abstracted 2007.
52. **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*, abstracted 2007.
53. **George S**, Wallace M, Wright T, Moser M, Greenfield W, Sack B, Herbstman D, Fillingim R. Evidence for biospsychosocial factors' influence on shoulder pain. *J Pain*, abstracted 2007.
54. Staud R, Bovee C, Whittemore B, Inosencio N, **George S**, Robinson M, Price D. Effects of eccentric exercise on pain and pain sensitivity in patients with fibromyalgia and normal controls: evidence of functional anti-hyperalgesic. *J Pain*, abstracted 2007.
55. Hirsh A, **George S**, Bialosky J, Robinson M. Fear of pain, pain catastrophizing, and acute pain perception: relative prediction and timing of assessment. *J Pain*, abstracted 2007.
56. Hassinger A, **George S**, Robinson M. An examination of the relationship of fear avoidance to disability: a quantitative review. *J Pain*, abstracted 2007.

57. Dannecker E and **George S**. Laboratory measures of pain avoidance and pain tolerance. *J Pain*, abstracted 2007.
58. **George SZ**, Fritz JM, Childs JD. Elevated fear-avoidance beliefs for subjects participating in physical therapy clinical trials. *J Orthop Sports Phys Ther*, abstracted 2007.
59. Chmielewski TL, Day T, Tillman SM, Moser MW, **George SZ**. Fear of re-injury is a potential factor in functional outcome after anterior cruciate ligament reconstruction. *J Orthop Sports Phys Ther*, abstracted 2007.
60. Bishop M, George SZ, McNally A. Improvement in range of motion after a stretching program: changes in tissue properties? *J Orthop Sports Phys Ther*, abstracted 2007.
61. Bialosky JE, **George SZ**, Bishop MD. Manual therapy induced analgesia: a comparison of healthy subjects and those with low back pain. *J Manual Manipulative Ther*, abstracted 2006.
62. **George S**, Dover G, Fillingim R. Pain related fear influences pain, physical impairment, disability, and kinesiophobia following delayed onset muscle soreness at the shoulder. *J Pain*, abstracted 2006.
63. Dannecker E, **George S**, Robinson, M. Influence and stability of pain scale anchors. *J Pain*, abstracted 2006.
64. **George SZ**, Bialosky JE, Wittmer VT, Robinson ME, The influence of sex, personality, and coping style on the pain drawing. *J Orthop Sports Phys Ther*, abstracted 2006.
65. **George SZ**, Bishop MD, Hurlburt M, Shumrak, G, Villa J, Zeppieri G. Immediate effect of spinal manipulation on temporal summation of pain. *J Orthop Sports Phys Ther*, abstracted 2006.
66. Ilfeld BM, Gearen PF, Enneking FK, **George SZ**, Vandenborne K. Total hip arthroplasty as an overnight-stay procedure using ambulatory perineural local anesthetic infusion: a prospective pilot feasibility study. *Anesthesiology*, abstracted 2005.
67. Ilfeld BM, Gearen PF, Enneking FK, **George SZ**, Vandenborne K. The effects of ambulatory continuous femoral nerve blocks on readiness-for-discharge following total knee arthroplasty: a randomized, double-blind, placebo-controlled pilot study. *Anesthesiology*, abstracted 2005.
68. Ilfeld BM, Gearen PF, Enneking FK, **George, SZ**, Vandenborne K. Total knee arthroplasty as a 23-hour stay procedure using ambulatory perineural local anesthetic infusion: a prospective feasibility study. *Reg Anesth Pain Med*, abstracted 2005.
69. Ilfeld BM, Gearen PF, Enneking FK, **George, SZ**, Vandenborne K. Effect of posterior lumbar plexus perineural local anesthetic infusion on postoperative functional ability following total hip arthroplasty. *Reg Anesth Pain Med*, abstracted 2005.
70. Hirsh A, **George S**, Riley J, Robinson M. Sex differences and construct redundancy of the coping strategies questionnaire – catastrophizing scale. *J Pain*, abstracted 2005.
71. **George S**, Wittmer V, Fillingim R, Robinson M. Does experimental pain sensitivity contribute to reports of clinical pain intensity and disability? *J Pain*, abstracted 2005.

72. **George S**, Wittmer V, Fillingim R, Robinson M. Psychological influence on central sensitization of pain for patients with chronic low back pain. *J Pain*, abstracted 2005.
73. **George SZ**, Fritz JM, Childs JD. Sex differences in response to physical therapy interventions for low back pain. *J Orthop Sports Phys Ther*, abstracted 2005.
74. Ilfeld BM, Gearen PF, Enneking FK, Mace JA, Spadoni EH, Berry LF, **George SZ**, Vandeborne K. Effect of femoral perineural local anesthetic infusion on postoperative functional ability following total knee arthroplasty. *Anesthesiology*, abstracted 2004.
75. Brown J, Edwards P, **George S**, Fillingim R, Waxenberg L, Atchison J, Gremillion H, Robinson M. Patient centered success criteria and expectations for treatment: a comparison of spine pain and facial pain patients. *J Pain*, abstracted 2004.
76. Hirsh A, Chung S, O'Brien E, **George S**, Cianfini L, Atchison J, Gremillion H, Waxenberg L, Robinson M. Does the catastrophizing subscale of the coping strategies questionnaire provide unique information regarding the pain experience? *J Pain*, abstracted 2004.
77. Edwards P, Riley J, Brown J, **George S**, Fillingim R, Waxenberg L, Atchison J, Wittmer V, Robinson M. Patients' success criteria predicted by distress and expectations for treatment. *J Pain*, abstracted 2004.
78. **George SZ**, Bialosky JE, Donald DA. Symptom centralization and fear-avoidance beliefs as prognostic factors for low back pain. *J Orthop Sports Phys Ther*, abstracted 2004.
79. Robinson ME, Brown JL, **George SZ**, Edwards PS, Atchison JW, Hirsh AT, Waxenberg LB, Wittmer V, Fillingim RB. A preliminary investigation of patient-centered outcomes in patients with chronic pain. *Arch Phys Med Rehab*, abstracted 2003.
80. Brown JL, Jump RL, **George SZ**, Fillingim RB, Robinson ME. What constitutes treatment success? A look at the patient's perspective. *J Pain*, abstracted 2003.
81. **George SZ**, Fritz JM, Bialosky JE, Donald DA. The effect of a fear-avoidance based physical therapy intervention for patients with acute low back pain. four week results from a randomized clinical trial. *J Orthop Sports Phys Ther*, abstracted 2003.
82. Hicks GE, **George SZ**, Vogt MT, Nevitt MA, Cauley JA. Measurement of lumbar lordosis: inter-rater reliability and longitudinal Variation. *Proceedings of the Annual Meeting of the International Society for the Study of the Lumbar Spine*, abstracted 2002.
83. **George SZ**, Hicks GE, Vogt MT, Nevitt MA, Cauley JA. The relationship between lumbar lordosis and radiological variables and lumbar lordosis and clinical variables in older, African-American women. *Proceedings of the Annual Meeting of the International Society for the Study of the Lumbar Spine*, abstracted 2002.
84. **George SZ**, Fritz JM, and Erhard RE. A comparison of fear avoidance beliefs in patients with lumbar spine pain and patients with cervical spine pain. *J Orthop Sports Phys Ther*, abstracted 2002.
85. Fritz JM, **George S**. The use of a classification approach to identify subgroups of patients with acute low back pain: inter-rater reliability and short-term treatment outcomes. *J Orthop Sports Phys Ther*, abstracted 2000.

Presentations

International Presentations – Invited

- August 2010 Subgrouping low back pain: an answer for a major problem? Plenary speaker at Pain, Mind, and Movement III, Official Satellite Symposium of the 13th World Congress on Pain, International Association for the Study of Pain, Montreal, QC (Canada)
- August 2010 Spinal manipulation for low back pain: a brief review of responder subgroups and potential mechanisms. Invited speaker at 2010 MDT Conference of the Americas, Striving for Clinical Excellence in an Era of Evidence Based Medicine, Mckenzie Institue (Americas Region), Baltimore, MD (USA)
- March 2008 A physical therapist's perspective on manual therapy: clinical effectiveness and selected mechanisms. Invited speaker at International Conference for Delineating the Evidence Based for Somato-Visceral Interactions and Autonomic Mechanisms of Manual Therapy, Osteopathic Research Center and National Institutes of Health, Fort Worth, TX (USA)

International Presentations – Refereed Paper or Poster

- August 2010 Depressive symptoms influence musculoskeletal pain intensity more than anatomical location for patients seeking outpatient physical therapy. Poster presentation at the World Congress on Pain, International Association for the Study of Pain, Montreal, QC (Canada)
- May 2002 Relationship between lumbar lordosis and radiological variables and lumbar lordosis and clinical variables in older, African-American women. Poster presentation at the Annual Meeting, International Society for the Study of the Lumbar Spine, Cleveland, OH (USA)

National Presentations – Keynote

- October 2008 How does manual therapy inhibit pain? Keynote speaker at the 14th Annual American Academy of Orthopaedic Manual Physical Therapists Conference (Pain: from Science to Solution), Seattle, WA

National Presentations – Refereed Paper or Poster

- February 2011 Psychometric analysis of the Tampa Scale for Kinesiophobia in patients with ACL reconstruction. Platform presentation at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA
- February 2011 Investigation of fear-avoidance beliefs and clinical outcomes across multiple anatomical locations. Platform presentation at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA
- February 2010 Patient satisfaction with behavioral physical therapy interventions: secondary analysis from a randomized clinical trial (NCT00373867). Platform presentation at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, San Diego, CA

- May 2009 Psychometric properties of the fear of daily activities questionnaire (FDAQ) for patients with low back pain. Poster presentation at the Annual Scientific Meeting of the American Pain Society, San Diego, CA
- February 2009 Psychosocial education improves low back pain beliefs: results from a cluster randomized clinical trial (NCT00373009). Platform presentation at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, Las Vegas, NV
- October 2008 Immediate effects of neural mobilization on pain perception in individuals experiencing carpal tunnel syndrome: preliminary findings of a randomized trial. Paper presentation at the Annual Meeting for the American Society of Hand Therapists, Boston, MA
- May 2008 Biopsychosocial influence on induced shoulder pain. Poster presentation at the Annual Scientific Meeting of the American Pain Society, Tampa, FL
- February 2008 Behavioral interventions for sub-acute low back pain. Platform presentation at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, Nashville, TN
- May 2007 Evidence for biopsychosocial factors' influence on shoulder pain. Poster presentation at the Annual Scientific Meeting of the American Pain Society, Washington, DC
- February 2007 Elevated fear-avoidance beliefs for subjects participating in physical therapy clinical trials. Platform presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, Boston, MA
- May 2006 Pain related fear influences pain, physical impairment, disability, and kinesiophobia following delayed onset muscle soreness at the shoulder. Paper presentation at the Annual Scientific Meeting of the American Pain Society, San Antonio, TX
- February 2006 Immediate effect of spinal manipulation on temporal summation of pain. Platform presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, San Diego, CA
- March 2005 Does experimental pain sensitivity contribute to reports of clinical pain intensity and disability? Poster presentation at the Annual Scientific Meeting of the American Pain Society, Boston, MA
- March 2005 Psychological influence on central sensitization of pain for patients with chronic low back pain. Poster presentation at the Annual Scientific Meeting of the American Pain Society, Boston, MA
- February 2005 Sex differences in response to physical therapy interventions for low back pain. Poster presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA

- February 2004 Symptom centralization and fear-avoidance beliefs as prognostic factors for low back pain. Platform presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, Nashville, TN
- October 2003 A preliminary investigation of patient-centered outcomes in patients with chronic pain. Paper presentation at the National Congress of Rehabilitation Medicine – American Society of Neurorehabilitation Joint Conference, Tucson, AZ
- February 2003 The effect of a fear-avoidance based intervention for patients with acute low back pain, four week results from a randomized clinical trial. Platform presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, Tampa Bay, FL
- February 2001 A comparison of fear avoidance beliefs in patients with lumbar spine pain and patients with cervical spine pain. Platform presentation at the Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, San Antonio, TX

National Presentations – Invited Seminar

- April 2011 Comparison of graded exercise and graded exposure clinical outcomes for patients with chronic low back pain. Author in the Room Presentation, Evidence in Motion, Online continuing education format
- February 2011 Vitalizing practice through research and research through practice. Educational programming at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA
- February 2011 How to design RCT's: real world considerations. Educational programming at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA
- February 2011 Enhancing clinical practice through psychosocial perspectives in the management of low back pain. Educational programming at Combined Sections Meeting, Orthopaedic Section, American Physical Therapy Association, New Orleans, LA
- February 2010 Bridging science and clinical practice: you can be that scientist! Educational programming at Combined Sections Meeting, Section on Research, American Physical Therapy Association, San Diego, CA
- February 2010 Factors that influence musculoskeletal pain: fatigue, sex, personality, psychology, and genetics. Educational programming at Combined Sections Meeting, Section on Research, American Physical Therapy Association, San Diego, CA
- February 2009 The business of balancing research, service, and teaching: a program for junior faculty. Educational programming at Combined Sections Meeting, Section on research, American Physical Therapy Association, Las Vegas, NV
- February 2009 Fear-avoidance behavior: state of art review. Educational programming at Combined Sections Meeting, Section on Education, American Physical Therapy Association, Las Vegas, NV

- February 2009 Bridging the gap...What to do when your student knows more about EBP than you do! Educational programming at Combined Sections Meeting, Section on Education, American Physical Therapy Association, Las Vegas, NV
- October 2008 Individualized management of pain: current examples and future direction. Breakout session at the 14th Annual American Academy of Orthopaedic Manual Physical Therapists Conference (Pain: from Science to Solution), Seattle, WA
- October 2008 Psychological influence on musculoskeletal pain: a clinical update for the practicing manual therapist. Pre-conference workshop at the 14th Annual American Academy of Orthopaedic Manual Physical Therapists Conference (Pain: from Science to Solution), Seattle, WA
- October 2008 So the student asked about odds ratios (again): interpretation and application of evidence based practice for the practicing clinician. Pre-conference workshop at the 14th Annual American Academy of Orthopaedic Manual Physical Therapists Conference (Pain: from Science to Solution), Seattle, WA
- October 2008 An update on pain perception for the practicing clinician. Invited speaker at the Annual Meeting for the American Society of Hand Therapists, Boston, MA
- September 2008 Screening for psychosocial factors: Issues for rehabilitation practitioners. Continuing education program via web. Expert Clinical Benchmarks, King of Prussia, PA
- February 2008 Becoming a physical therapy researcher or so I finished my PhD what do I do? Educational programming at Combined Sections Meeting, Section on Research, American Physical Therapy Association, Nashville, TN
- January 2008 Psychological influence on low back pain. Continuing education program via teleconference. Optum Health (United Health Group), Minneapolis, MN
- July 2005 Psychological influence in acute low back pain: Identification and management of the patient with elevated fear-avoidance beliefs. Educational session at the University of Pittsburgh Medical Center, Pittsburgh, PA
- March 2004 A clinical research update on a treatment based classification system. Research workshop and update for clinical staff of Westmoreland Regional Hospital, Greensburg, PA.
- October 2002 Current management of the lumbar spine. Clinical research update for alumni, West Virginia University, School of Medicine, Division of Physical Therapy, Morgantown, WV
- July 2000 Management of the patient with low back pain using a treatment-based classification approach. Presented to clinical faculty at Columbia University, New York, NY

Regional Presentations – Invited Seminar

- February 2011 Biopsychosocial influence on induced shoulder pain. Educational session at The 8th Annual Teton Hand and Extremity Conference, Jackson Hole, WY

- February 2011 Effects of neural mobilization on pain perception in individuals experiencing carpal tunnel syndrome. Educational session at The 8th Annual Teton Hand and Extremity Conference, Jackson Hole, WY
- January 2011 Clinical update: psychological influence on pain perception in the upper extremity. Educational session at The 8th Annual Teton Hand and Extremity Conference, Jackson Hole, WY
- March 2009 An update on pain perception for the practicing clinician. Educational session at the Florida Physical Therapy Association Spring Conference, Orlando, FL
- April 2007 Low back classification systems. Continuing education program at the Department of Athletic Training and Physical Therapy, University of North Florida, Jacksonville, FL
- March 2005 Psychological influence in acute low back pain: identification and management of the patient with elevated fear-avoidance beliefs. Educational session at the Florida Physical Therapy Association Spring Conference, Orlando, FL
- March 2001 Relationship between fear avoidance beliefs and spine pain. Graduate research seminar, West Virginia University, Department of Clinical Psychology, Morgantown, WV

Local Presentations – Invited Seminar

- January 2009 Psychosocial interventions for low back pain. Rehabilitation Research Seminar Series (supported by NIH T-32), University of Florida, Gainesville, FL
- September 2007 Rehabilitation of the lumbar spine: An evidence-based multidisciplinary approach. Continuing education program from Shands Rehab Centers Conference Series, Gainesville, FL
- September 2006 Biopsychosocial factors' influence on shoulder pain. Rehabilitation Research Seminar Series (supported by NIH T-32), University of Florida, Gainesville, FL
- January 2006 Clinical Update on the management of low back pain. Continuing education program at the Department of Physical Therapy, University of Florida, Gainesville, FL
- October 2005 Psychological influence in acute low back pain: Identification and management of the patient with elevated fear-avoidance beliefs. Educational session at the Shands Medical Center, Gainesville, FL
- September 2005 Neuronal plasticity of pain: Response to rehabilitation interventions. Poster presentation at the Neuromuscular Plasticity Symposium, University of Florida, Gainesville, FL
- May 2005 The influence of sex, personality, and coping style on the pain drawing. Poster presentation at 4th Annual Pain Research Day, Comprehensive Center for Pain Research, University of Florida, Gainesville, FL

- October 2004 The influence of psychological factors on central sensitization for patients with chronic low back pain. RORC-BRRC-Brooks Center Monthly Research Seminar (No. 29). Gainesville, FL
- June 2004 Evidence-based principles for the practicing clinician. Continuing education workshop for clinical staff of Shands Rehabilitation Hospital, Gainesville, FL
- April 2004 Anxiety and anxiety sensitivity during experimental pain response. Poster presentation at 3rd Annual Pain Research Day, Comprehensive Center for Pain Research, University of Florida, Gainesville, FL
- April 2003 Sex differences in pain anchors – investigation of “most intense” pain events and common pain events. Poster presentation at Pain Research Day, Comprehensive Center for Pain Research, University of Florida, Gainesville, FL
- March 2003 Future disability from work-related, acute low back pain: the influence of fear-avoidance beliefs. Rehabilitation Research Seminar Series, University of Florida, Gainesville, FL
- December 1999 Introduction to a treatment-based classification system for acute, low back pain. Presented to physical therapy students at Slippery Rock University, Slippery Rock, PA

Teaching Experience

University of Florida

Course Coordinator (2005 - present)

Evidence Based Practice I (3 credits)

Evidence Based Practice III (2 credits)

Course Coordinator (2005 - 2010)

Evidence Based Practice II (3 credits)

Course Coordinator (2002 - 2006)

Development of a Case Study I (2 Credits)

Development of a Case Study II (2 Credits)

Scientific Basis of Physical Therapy Practice (2 Credits)

Lecturer (2002 - present)

Orthopedic Physical Therapy

Differential Diagnosis

Arcadia University

Lecturer (2005)

Clinical Decision Making

University of Pittsburgh

Course Coordinator (2002)

Introduction to an Evidence-Based Approach to the Rehabilitation Sciences (3 credits)

Lecturer (1997 – 2002)

Human Anatomy, Musculoskeletal PT I, Musculoskeletal PT II, Musculoskeletal PT III, and Evidence-Based Practice III

Teaching Assistant (1996 – 2001)

Human Anatomy, Musculoskeletal PT I, Musculoskeletal PT II, Musculoskeletal PT III, Evidence-Based Practice I, and Evidence-Based Practice II

Clinical Instructor (1996 – 2000)

Full and part-time clinical affiliations in acute medicine, inpatient orthopaedic, inpatient rehabilitation, and outpatient orthopaedic settings

Advisement

Training Grants

Title: Neurobiological Mechanisms of Body Based Interventions for Musculoskeletal Pain (PI: Bishop MD)

Role: Collaborator

Type: K01AR054331

Agency: National Institutes of Health

Participation: 2008 – present

Title: Rehabilitation Research Career Development Program (PI: Ottenbacher K)

Role: Lead Mentor

Type: K12HD055929-01

Agency: National Institutes of Health

Participation: 2008 – present

Title: Integrative and Translational Training in Pain Research (PI: Yeziarski RB)

Role: Program Faculty

Type: 5T32NS045551

Agency: National Institutes of Health

Participation: 2006 – present

Title: Interdisciplinary Training in Rehabilitation and Neuromuscular Plasticity (PI: Vandeborne K)

Role: Faculty Preceptor

Type: T32HD043730

Agency: National Institutes of Health

Participation: 2005 – present

Completed Doctoral Committees: Chair

Student: Joel E. Bialosky (University of Florida, 2008)

Title: Mechanisms of Manual Therapy

College: Public Health and Health Professions (Rehabilitation Science)

Primary Doctoral Mentor

Jason Beneciuk, Graduate Student, Rehabilitation Science, 2007 – current

Carolina Valencia, Graduate Student, Rehabilitation Science, 2007 – current

Rogelio Coronado, Graduate Student, Rehabilitation Science, 2009 – current

Completed Doctoral Committees: Committee Member

Student: Anne N. Nisenzon (University of Florida, 2011)

Chair: Michael E. Robinson

Title: The role of anger in screening for prognostic risk factors and sub-grouping low back pain patients

College: Public Health and Health Professions (Clinical and Health Psychology)

Student: Jeffrey J. Parr (University of Florida, 2010)

Chair: Paul Borsa, PhD

Title: Predicting physical impairment and recovery following an exercise-induced shoulder injury

College: Health and Human Performance (Applied Physiology and Kinesiology)

Student: Bongsam Choi (University of Florida, 2010)

Chair: Craig A. Velozo, PhD

Title: The importance of precisely measuring disability for back pain

College: Public Health and Health Professions (Rehabilitation Science)

Student: Lauren A. Stutts (University of Florida, 2009)

Chair: Michael Robinson, PhD

Title: Investigating patient and healthcare student characteristics on pain assessment using virtual patient technology

College: Public Health and Health Professions (Clinical and Health Psychology)

Student: Erin M. O'Brien (University of Florida, 2008)

Chair: Michael Robinson, PhD

Title: Sleep disturbance in chronic pain patients

College: Public Health and Health Professions (Clinical and Health Psychology)

Student: Adam T. Hirsh (University of Florida, 2007)

Chair: Michael Robinson, PhD

Title: Investigating patient and provider influences on the assessment and treatment of pain: a novel virtual patient technology application

College: Public Health and Health Professions (Clinical and Health Psychology)

Student: Geoffrey C. Dover (University of Florida, 2005)

Chair: Paul Borsa, PhD

Title: TENS treatment for pain relief and improved function following induced shoulder micro-injury

College: Health and Human Performance (Applied Physiology and Kinesiology)

Doctoral Committee Service Outside of University of Florida

Student: Luciola Da Cunha Menezes Costa (University of Sydney, 2011)

Supervisors: Chris Maher, James McAuley, Mark Hancock

Title: The course of low back pain and outcome measures for musculoskeletal condition

Role: Examiner

Student: Darren Calley (University of Maryland School of Medicine, 2009)

Supervisors: Roy Bechtel, Karen Gordes

Title: Screening for fear avoidance beliefs by physical therapists managing low back pain

Role: Final project mentor

Completed Undergraduate Honors Theses (Primary Faculty Mentor)

Student: Anthony Laurretta (University of Florida, 2008)

Title: Neural mobilization and its effects on elbow range of motion and sensory reporting:
a preliminary analysis

College: Public Health and Health Professions

Student: Kacie Smith (University of Florida, 2008)

Title: The influence of fear-avoidance specific variables on neural mobilization outcomes

College: Public Health and Health Professions

Student: Lauren A. Gates (University of Florida, 2007)

Title: Impact of psychological factors and instructional sets on pain expectations

College: Public Health and Health Professions

Student: Valdora L. Martelli (University of Florida, 2007)

Title: Relationship between cavitation and hypoalgesia after spinal manipulation therapy

College: Public Health and Health Professions

Student: Jessica S. Neff (University of Florida, 2007)

Title: COMT gene diplotypes self-report psychological questionnaires in two populations

College: Public Health and Health Professions

Student: Ryland J. Galmish (University of Florida, 2006)

Title: The effect of rumination on coping style, pain intensity, and pain tolerance

College: Public Health and Health Professions

Service

NIH Grant Review

2010	Special Emphasis Panel ZAR1 CHW M2 1, Clinical Trials Review, NIAMS
2010	Special Emphasis Panel ZAT1 LD (35) – Clinical Science, NCCAM
2009	Special Emphasis Panel ZAT1 LD (32 and 34) – Clinical Science, NCCAM
2009	Special Emphasis Panel ZAT1 PK (03 and 05) – Preclinical Science, NCCAM
2008	Special Emphasis Panel ZAT1 PK (02) – Preclinical Science, NCCAM
2008	Special Emphasis Panel ZRG1 CFS-E (01) – Chronic Fatigue and Pain, CSR

Other Grant Review

2011	Invited external grant reviewer for University of Wisconsin-Milwaukee Research Growth Initiative
2010	Invited external grant reviewer for University of Wisconsin-Milwaukee Research Growth Initiative
2010	Invited external grant reviewer for Alberta Innovates – Health Solutions (formerly Alberta Heritage Foundation)
2009	Invited external grant reviewer for University of Wisconsin-Milwaukee Research Growth Initiative
2008	Invited external grant reviewer for Canadian Institutes of Health Research
2007-present	Invited external reviewer for grants submitted to Orthopaedic Section, American Physical Therapy Association
2004	Invited external grant reviewer for ZonMw (Netherlands Organisation for Health Research and Development)
2004	Invited external grant reviewer for Arthritis Research Campaign project grant (UK)

Review for Scholarly Journals

Referee *Phys Ther, J Orthop Sports Phys Ther, J Pain, Clin J Pain, Pain, Eur J Pain, Pain Med, Arch Phys Med Rehabil, Arthritis Care Res, Behav Res Ther, Physiother Can, J Rehabil Res Dev, BMC Musculoskelet Disord, Physiother, Physiother Theor Pract, and Journal of Musculoskeletal Medicine.*
 2006-2007 Invited reviewer for American Pain Society/American College of Physicians Clinical Guidelines for the Management of Low Back Pain

Editorial Board for Scholarly Journals

2010-present Associate Editor (Rehabilitation Section), *Pain Med*
 2009-present Editorial Board Member, *Phys Ther*
 2007-present International Editorial Review Board, *J Orthop Sports Phys Ther*

Professional Activities and Service

2012 Faculty member, Young Investigator’s Initiative, United States Bone and Joint Decade/Initiative
 2011 Co-Chair, Psychosocial Special Interest Group, American Pain Society
 2010 Panel Chair, Assessment Objectives for Physical Therapy Curriculum, International Association for the Study of Pain
 2010 Invited Participant, Roundtable on Psychosocial and Behavioral Therapies for Musculoskeletal and Rheumatic Disease Outcomes, NIAMS/NIH
 2009 – present Hooked on Evidence Advisory Board Member, American Physical Therapy Association
 2009 Member, Awards Committee, American Pain Society
 2009 Abstract Review for Military Health Research Forum, Congressionally Directed Medical Research Programs
 2008-present Faculty Member, Musculoskeletal Pain & Analgesia, Faculty of 1000 Medicine
 2008-2011 Member, Awards Committee, American Physical Therapy Association’s Section on Research
 2008-2009 At Large Member, Nominating Committee, American Pain Society
 2007-present Member, International Classification of Function (Low Back Workgroup), Orthopaedic Section, American Physical Therapy Association
 2003-present Abstract Reviewer for Combined Sections Meeting Submissions, Orthopedic Section
 2003-2006 Section on Research Accuracy Review, Hooked on Evidence Initiative, APTA
 2003 Moderator, Research Platform Session A, Orthopedic Section, Combined Sections Meeting, APTA
 1996-1998 Admissions Committee Member, Department of Physical Therapy, University of Pittsburgh
 1995-2001 Medical Volunteer, UPMC – City of Pittsburgh Marathon
 1992-1994 Class Secretary, Physical Therapy - Class of 1994, WVU

Tenure Review

2011 Marquette University, University of Utah
 2010 University of Iowa
 2010 Virginia Commonwealth University
 2010 University of Colorado

University Service

2011 Member, Search Committee for Orthopaedic & Rehabilitation Department Chair

- 2005 Presenter, Minority Association of Pre-Health Students (MAPS) 4th Annual
Research/Enrichment Forum
- 2004 – present Member, University of Florida Minority Mentor Program

College Service

- 2009 – present Member, Research Committee
- 2008 – 2009 Chair, Research Committee
- 2007 – 2009 Member, Grant Writing Workshop
- 2007 Member, Shared Governance Committee
- 2006 Member, Chair Evaluation Committee
- 2005 – present Reviewer, Research Opportunity Incentive Funds and Brooks Health Grants
- 2005 Member, PHHP Alumni of Year Committee
- 2004 Member, Search Committee for Rehabilitation Counseling Department Chair

Departmental Service

- 2010 – present Chair, Clinical Excellence Committee
- 2010 – present Chair, Rehabilitation Science Doctoral program Committee
- 2008 – 2009 Chair, Rehabilitation Science Task Force
- 2008 – 2010 Member, Rehabilitation Science Conference Task Force
- 2008 – 2010 Member, Dual Degree Task Force
- 2007 Member, Search Committee for Clinical Assistant Professor
- 2006 Chair, Academic Progression Committee
- 2005 – 2010 Member, Rehabilitation Science Doctoral program Committee
- 2005 – present Chair, Professionalism Committee
- 2004 – present Member, Alumni Relations Committee

Community Service

- 2009 – present Volunteer, Stephen Foster Elementary (Gainesville, FL)
- 2005 – 2009 Volunteer, W.W. Irby Elementary (Alachua, FL)
- 2004 – 2007 Youth Sports Coach, YMCA of Gainesville

Professional Memberships

- 2009-present Member, International Association for the Study of Pain
- 2005-present Member, American Pain Society
- 2002-present Member, Florida Physical Therapy Association
- 2000-present Member, Research Section, American Physical Therapy Association
- 1997-present Member, Orthopaedic Section, American Physical Therapy Association
- 1992-present Member, American Physical Therapy Association
- 1995-2002 Member, Pennsylvania Physical Therapy Association

Consultation Outside the University

Textbook Review

F.A. Davis Company (Philadelphia, PA)
Lippincott Williams & Wilkins

Medial Record Review

Wicker, Smith, O'Hara, McCoy, Graham & Ford, P.A. (West Palm Beach, FL)
Hunter, Williams & Lynch, P.A. (Coral Gables, FL)
Fowler, White, Boggs, Banker Attorneys at Law (Tampa, FL)
Wallace B. McCall Law Offices (Jupiter, FL)

Weekley, Schulte, Valdes Attorneys at Law (Tampa, FL)
Leon & Berg, PA Attorneys at Law (Tampa, FL)

Health Care Advisement

Gerson Lehrman Group Council Member
Expert Clinical Benchmarks, LLC (King of Prussia, PA)