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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 License #22663
April 3 rd , 1995 – present	Licensed Physical Therapist Commonwealth of Pennsylvania PT – 008791-L

Employment

Academic Positions

July 2009 – present	Associate Professor (with tenure) Department of Physical Therapy University of Florida Gainesville, FL
January 2004 – June 2009	Assistant Professor (tenure track) 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

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 and Research

COL David G. Greathouse Excellence in Research Award

Recognition of 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 (NCT00373009)”

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

Excellence in Research Award

Recognition of 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

Jack Walker Award

Recognition of best clinical practice article published in *Physical Therapy*

June 2003 - Chattanooga Group, Inc.

“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

Recognition of 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

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

Awarded: Principal Investigator

Title: Biopsychosocial Influence on Shoulder Pain
Participation: Principal Investigator (40% Effort)
Type: 1R01AR055899-01
Agency: National Institutes of Health (NIAMS/NINDS)
Direct Costs: \$1,900,000
Funding Period: 2008 – 2013
Status: Ongoing
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.

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 – 2009
Status: Ongoing
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: R21AT002796-01A1
Agency: National Institutes of Health (NCCAM)
Direct Costs: \$270,000
Funding Period: 2007 – 2009
Status: Ongoing
This study investigates 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.

Awarded: Co-Investigator

Title: Pain Rehabilitation: Patient Centered Outcomes (PI: Robinson ME)
Participation: Co-Investigator (5% Effort)
Type: 1R01NS047119-01A2
Agency: National Institutes of Health (NINDS/NIMH)
Direct Costs: \$750,000
Funding Period: 2006 – 2009
Status: On going
This study investigates the reliability and validity of patient determined criteria for outcomes related to various pain rehabilitation interventions.

Title: Efficacy and Mechanisms of Opioids for Chronic Low Back Pain: Central Sensitization and Opioid-Induced Hyperalgesia (PI: Robinson ME)
Participation: Co-Investigator (5% Effort)
Agency: Brooks Research Award

Direct Costs: \$40,000
Funding Period: 2007 – 2008
Status: On going

This study investigates compares differences in clinical pain reports and central sensitization for subjects starting opioid medication versus those weaning from opioid medication.

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
Status: On going

This study investigates differences in plyometric exercise protocols on return to sport and cartilage degradation.

Completed: Principal Investigator

Title: Behavioral Interventions for Low Back Pain

Participation: Principal Investigator (25% Effort)
Type: R03AR051128-01A1
Agency: National Institutes of Health (NIAMS)

Direct Costs: \$150,000
Funding Period: 2005 – 2009 (1 year no cost extension)
Status: Ongoing

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.

Publications

* - student author mentored by SZG

Underline – senior author

Peer-Review

1. **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). *Eur Spine J*, in press.
2. 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 vs. core stabilization exercises on sit-up performance. *Med Sci Sports Exerc*, in press.

3. 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*, in press.
4. 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*, in press.
5. **George SZ** and Zeppieri G. Physical therapy utilization of graded exposure for patients with low back pain. *J Orthop Sports Phys Ther*, in press.
6. 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*, in press.
7. 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.
8. 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.
9. 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.
10. Hirsh AT, **George SZ**, Robinson ME. Pain assessment and treatment disparities: a virtual human technology investigation. *Pain*, 2009;143(1-2):106-113.
11. **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.
12. Beneciuk JM*, Bishop MD, **George SZ**. Clinical prediction rules for physical therapy interventions: a systematic review. *Phys Ther*, 2009;89:114-124.
13. 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.
14. Dannecker EA and **George SZ**. A comparison of laboratory measures of escape and avoidance behavior. *J Pain*, 2009;10(1):53-59.
15. 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.
16. Bialosky JE*, Hirsh AT, Robinson ME, **George SZ**. Manipulation of pain catastrophizing: an experimental study of healthy subjects. *J Pain Res*, 2008;1:1-7.
17. **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.

18. **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.
19. 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.
20. **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.
21. 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.
22. **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.
23. 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.
24. 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.
25. **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.
26. 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.
27. **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.
28. 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.
29. 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.
30. **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.
31. **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.

32. 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.
33. **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.
34. **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.
35. **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.
36. **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.
37. 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.
38. **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.
39. 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.
40. **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.
41. 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.
42. **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.
43. 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.
44. **George SZ** and Delitto A. Clinical examination variables discriminate between treatment based classification groups. *Phys Ther*. 2005;85:306-314.

45. Stevens JE, Walter GA, Okereke E, Scarborough JL, **George SZ**, Kelley MJ, Tillman SM, Gibbs JD, Elliot MA, Frimel TN, Gibbs CP, Vandenborne K. Muscle adaptations with immobilization and rehabilitation after ankle fracture. *Med Sci Sports Exerc.* 2004;36(10):1695-1701.
46. 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.
47. **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.
48. **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.
49. **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.
50. 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.
51. **George SZ**. Symptom characteristics of patients treated with slump stretching. *J Orthop Sports Phys Ther.* 2002;32(8):391-398.
52. **George SZ** and Delitto A. Management of the athlete with low back pain. *Clin Sports Med.* 2002;21(1):105-120.
53. **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.
54. 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.
55. **George SZ**. Differential diagnosis and treatment for a patient with lower extremity symptoms. *J Orthop Sports Phys Ther.* 2000;30(8):468-72.
56. 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 author mentored by SZG

Underline – senior author

1. 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*, in review.
2. **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*, in review.

3. Valencia C*, Robinson ME, **George SZ**. Socioeconomic status influences the relationship among fear-avoidance beliefs and disability. *J Pain*, in review.
4. Bialosky JE*, Bishop MD, Price DD, Robinson ME, **George SZ**. A randomized sham controlled trial of a neurodynamic technique in the treatment of carpal tunnel syndrome. *J Orthop Sports Phys Ther*, in review.
5. Bialosky JE*, Bishop MD, Zeppieri G, **George SZ**. The immediate effects of spinal manipulative therapy on thermal pain sensitivity in participants with low back pain. *Phys Ther*, in review.
6. Vincent HK, Omlil 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. *Am J Phys Med Rehab*, in review.
7. Bialosky JE*, Bishop MD, Robinson ME, **George SZ**. The relationship of the audible pop to hypoalgesia associated with high velocity, low amplitude thrust manipulation. An experimental study in pain free participants. *J Manipulative Physiol Ther*, in review.
8. 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*, in review.

Guest Editorials

1. **George SZ**. It came from the swamp: gators answer the call. *Orthopaedic Physical Therapy Practice*, 2008;20(4): 167.
2. Bialosky JE, **George SZ**, Bishop MD. How spinal manipulative therapy works: why ask why? *J Orthop Sports Phys Ther*. 2008;38(6):293-5.
3. **George SZ**. Out of the mouths of babes: student-cited barriers to evidence-based practice. *Orthopaedic Physical Therapy Practice*, 2007;19(1):5-6.
4. **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. 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. *Orthopaedic Physical Therapy Practice*, 2008;20(4):175-181.
2. Mastrogiovanni S* and **George SZ**. The association between leg length discrepancy and pre-operative total joint replacement: a case control study. *Orthopaedic Physical Therapy Practice*, 2008;20(4):182-187.
3. Butrimas NJ* and **George SZ**. Manual therapy for a patient diagnosed with multilevel cervical spondylosis: a case report. *Orthopaedic Physical Therapy Practice*, 2007;17(1):18-23.
4. Bargar CJ* and **George SZ**. Treatment of a young male patient with left upper arm pain and left arm numbness: a case report. *Orthopaedic Physical Therapy Practice*, 2007;17(1): 25-32.

Book Chapters and Monographs

1. **George SZ**. Pain syndromes: spinal pain. Chapter in *Mechanisms and management of pain for the physical therapist*. International Association for the Study of Pain Press. Editor: Sluka KA (in press).
2. Frey-Law L and **George SZ**. Pain heterogeneity. Chapter in *Mechanisms and management of pain for the physical therapist*. International Association for the Study of Pain Press. Editor: Sluka KA (in press).
3. **George SZ** and Bishop MD. Low back pain: causes and differential diagnosis. *Musculoskeletal Rehabilitation, 1st edition, Volume III (Treatment of Pathology and Injuries)*. Editors: Magee DJ, Zachazewski JE, Quillen WS (in press).
4. **George SZ**. Psychological screening and management of the patient with low back pain. Orthopaedic Section, American Physical Therapy Association; 2008: *Home Study Course 18.1.4; Low back pain and the evidence for effectiveness of physical therapy interventions*.
5. **George SZ**, Delitto A, Lehman RC. Conservative treatment of athletes with low back syndromes. Chapter in *Low back syndromes: integrated clinical management, 1st edition*. Editor: Morris CE. McGraw-Hill Companies, Inc. New York, NY (2006).
6. **George SZ** and Fritz JM. Physical therapy management of fear avoidance in patients with low back pain. Orthopaedic Section, American Physical Therapy Association; 2003: *Home Study Course 13.1.2; Including the patient in therapy: the power of psyche*.

Published Abstracts

1. Valencia C, **George S**. Temporal summation in patients with shoulder pain: clinical and psychological correlates. *J Pain*, abstracted 2009.
2. **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.
3. Vincent HK, Omli MR, Day T, Machek 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.

4. **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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. Robinson M, Wittmer V, **George S**, Beneciuk J, Fillingim R. Opioids for chronic pain: to wean or not to wean. *J Pain*, abstracted 2008.
14. **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.
15. **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.
16. **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.
17. 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.

18. 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.
19. **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.
20. 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.
21. 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.
22. Bishop M and **George S**. Interaction between kinesiophobia and pain amplification in acute back pain. *J Orthop Sports Phys Ther*, abstracted 2008.
23. 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.
24. 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.
25. 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.
26. 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.
27. **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.
28. **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.
29. 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.
30. 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.
31. Hassinger A, **George S**, Robinson M. An examination of the relationship of fear avoidance to disability: a quantitative review. *J Pain*, abstracted 2007.
32. Dannecker E and **George S**. Laboratory measures of pain avoidance and pain tolerance. *J Pain*, abstracted 2007.

33. **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.
34. 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.
35. 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.
36. 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.
37. **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.
38. Dannecker E, **George S**, Robinson, M. Influence and stability of pain scale anchors. *J Pain*, abstracted 2006.
39. **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.
40. **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.
41. 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.
42. 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.
43. 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.
44. 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.
45. Hirsh A, **George S**, Riley J, Robinson M. Sex differences and construct redundancy of the coping strategies questionnaire – catastrophizing scale. *J Pain*, abstracted 2005.
46. **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.
47. **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.
48. **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.

49. Ilfeld BM, Gearen PF, Enneking FK, Mace JA, Spadoni EH, Berry LF, **George SZ**, Vandendorne K. Effect of femoral perineural local anesthetic infusion on postoperative functional ability following total knee arthroplasty. *Anesthesiology*, abstracted 2004.
50. 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.
51. 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.
52. 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.
53. **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.
54. 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.
55. 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.
56. **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.
57. 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.
58. **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.
59. **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.
60. 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.

International Presentations – Invited

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

International Presentations – Refereed Paper or Poster

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

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

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

- 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

- 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

- September 2006 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 II (3 credits)

Evidence Based Practice III (2 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

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: Vandeborne K)

Role: Support Faculty

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

Completed Doctoral Committees: Committee Member

Student: Erin M. O'Brien (University of Florida, 2008)
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)
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)
Title: TENS treatment for pain relief and improved function following induced shoulder micro-injury
College: Health and Human Performance (Applied Physiology and Kinesiology)

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

Grant Review

2009	Member, Study Section ZAT1 PK (03), Center for Scientific Review
2008	Member, Study Section ZAT1 PK (02), Center for Scientific Review
2008	Member, Study Section ZRG1 CFS-E (01), Center for Scientific Review
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)

Activity for Scholarly Journals

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

Professional Activities and Service

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

University Service

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

College Service

2008 – present	Chair, Research Committee
2007 – present	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, PPHP Alumni of Year Committee
2004 Member, Search Committee for Rehabilitation Counseling Department Chair

Departmental Service

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

Community Service

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

Professional Memberships

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)