

**Southwestern School of Health Professions (SSHP)
Faculty Publications & Grants
FY 2014-2015**

As a responsibility of the **SSHP Research Advisory Committee**, this listing has been developed to recognize the research activities of the UT Southwestern School of Health Professions faculty (included on the SSHP Faculty Roster). The publications and grants listed represent responses from faculty members to a request for this information for the fiscal year 2014-2015. (September 01, 2014 - August 31, 2015). Programs or individuals not listed reported no publications/grants for the time period requested. We apologize in advance for any omissions or inaccuracies.

SSHP Faculty Publications and Grants Summary FYs 2014-15

Department of Clinical Nutrition

Publications	9
Grants and Contracts/Funded	4
Total Grant Submissions	6

Community Prevention and Intervention Unit

Publications	0
Grants and Contracts/Funded	6
Total Grant Submissions	6

Emergency Medicine and Education Program

Publications	11
Grants and Contracts/Funded	0
Total Grant Submissions	0

Healthcare Education and Research

Publications	0
Grants and Contracts/Funded	2
Total Grant Submissions	4

Department of Healthcare Sciences

Publications	9
Grants and Contracts/Funded	7
Total Grant Submissions	12

Department of Physician Assistant Studies

Publications	7
Grants and Contracts/Funded	3
Total Grant Submissions	4

Department of Physical Therapy

Publications	12
Grants and Contracts/Funded	9
Total Grant Submissions	13

Department of Prosthetics and Orthotics

Publications	7
Grants and Contracts/Funded	0
Total Grant Submissions	2

Department of Rehabilitation Counseling

Publications	7
Grants and Contracts/Funded	0
Total Grant Submissions	0

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Department of Clinical Nutrition

Publications:

Benjamin B, Wada Y, Grundy SM, Szuszkiewicz-Garcia M, **Vega GL**. Fatty Acid Oxidation In Normotriglyceridemic Men. *J Clin Lipidology*; 2015 **in press**.

Brown WV, **Carson JA**, Johnson RK, Kris-Etherton P. JCL Roundtable: Fast Food and the American Diet. *J Clin Lipidol*. 2015;9(1):3-10.

Carson JAS, Grundy SM, Hark L. Cardiovascular disease. In: Hark L, Deen D, Morrison G. *Medical Nutrition and Disease: A Case Based Approach*. West Sussex, UK: Wiley Blackwell, 2014.

Davis KE, Prasad C, Vijayagopal P, Juma S, Adams-Huet B, Imrhan V. Contribution of dietary advanced glycation end products (AGE) to circulating AGE: role of dietary fat. *Br J Nutr*. 2015 Dec;114(11):1797-806. doi: 10.1017/S0007114515003487. Epub 2015 Sep 22. PubMed PMID: 26392152. (Accepted for publication 7/2015)

Davis KE, Prasad C, Vijayagopal P, Juma S, Imrhan V. Advanced Glycation End Products, Inflammation, and Chronic Metabolic Diseases:Links in a Chain? *Crit Rev Food Sci Nutr*. 2014 Sep 26. [Epub ahead of print] PubMed PMID: 25259686. (Accepted for publication 10/2012)

Farrell SW, Finley CE, Jackson AW, **Vega GL**, Morrow JR Jr. Association of multiple adiposity exposures and cardiorespiratory fitness with all-cause mortality in men: the Cooper Center Longitudinal Study. *Mayo Clin Proc*. 2014 Jun;89(6):772-80. doi: 10.1016/j.mayocp.2014.03.012. Epub 2014 May 5. PubMed PMID: 24809758.

Johnson RK, Lichtenstein AH, Kris-Etherton PM, **Carson JA**, Pappas A, Rupp L. Enhanced and Updated American Heart Association Heart-Check Front-of-Package Symbol: Efforts to Help Consumers Identify Healthier Food Choices. *J Acad Nutr Diet*. 2015;115(6):876-884.

Neeland IJ, Turer AT, Ayers CR, Berry JD, Rohatgi A, Das SR, Khera A, **Vega GL**, McGuire DK, Grundy SM, de Lemos JA. Body fat distribution and incident cardiovascular disease in obese adults. *J Am Coll Cardiol*. 2015 May 19;65(19):2150-1. doi: 10.1016/j.jacc.2015.01.061. PubMed PMID: 25975481.

Vega GL. Is non-high-density lipoprotein cholesterol a marker and therapeutic target for dyslipidemia in metabolic syndrome? *Metab Syndr Relat Disord*. 2014 Nov;12(9):451-3. doi: 10.1089/met.2014.1503. Epub 2014 Aug 19. PubMed PMID: 25136896.

Grants and Contracts:

P.I.: **Gloria Lena Vega**, Ph.D.; Sponsor: Sanofi/Regeneron Pharmaceuticals. Project Title: "Effect of PCSK9-Antibody (Alirocumab) on Dyslipidemia Secondary to Nephrotic Syndrome"; Status: pending approval.

P.I. Anand Rohatgi, M.D.; Sponsor: American Heart Association. Project: "Determining the Genomic and Lipidomic Correlates of HDL", funded from 12/1/2015 through 11/30/2016. Co-Mentor Investigator: **Gloria Lena Vega**, Ph.D.

P.I. Ian Neeland, M.D.; Sponsor: NIDDK. K23 Award. Co-mentor: **Gloria Lena Vega**, Ph.D.

P.I.: **Gloria Lena Vega**, Ph.D.; Sponsor: AstraZeneca. Project Title: "Effect of Omega-3 Carboxylic Acids (Epanovan) on Fatty Acid Oxidation in Patients with Moderate Hypertriglyceridemia Secondary to Metabolic Syndrome". Status: pending.

P.I.: L.Sandon; 2015 Graduate Student Research Award, \$2,500, from the Sports, Cardiovascular, and Wellness Nutritionist Dietetics Practice Group.

L.Michalsky; HRSA grant collaboration with Baylor's College of Dentistry, Texas A&M, and UTSW, as well as North Dallas Shared Ministries.

Community Prevention & Intervention Unit

Grants and Contracts:

Non-competitive renewal of HIV Prevention; DSHS; Jon Williamson, PI; \$766,662; January 1, 2016 – December 31, 2016.

Non-competitive renewal of Medical Monitoring Project; DSHS; Jon Williamson, PI; \$218,446; June 1, 2015 – May 31, 2016.

No Cost Extension of UCSF Community Project; University of California San Francisco; Jon Williamson, PI; \$0; August 1, 2015 – July 31, 2016.

No Cost Extension of Multilevel HIV Prevention; University of California San Francisco; Jon Williamson, PI; \$0; August 1, 2015 – July 31, 2016.

Non-competitive renewal (contract pending) of Molecular HIV Surveillance (Incidence) contract; DSHS; Jon Williamson; \$395,092; January 1, 2016 – December 31, 2016.

Contract with Dallas Foundation to implement evidence-based interventions to reduce teen pregnancy rates in five Dallas zip codes; Office of Adolescent Health; \$175,000; July 1, 2015 – June 30, 2016.

Emergency Medicine Education Program

Publications:

Navarro, K. (2015, July). The research review: Airway management: The equipment and technique debate continues. Available at <http://www.ems1.com/ems-products/medical-equipment/airway-management/articles/3017984-Airway-management-The-equipment-and-technique-debate-continues/>

Navarro, K. (2015, June). The research review: Benefits of applying CRM to cardiac arrest resuscitation. Available at <http://www.ems1.com/ems-products/cpr-resuscitation/articles/2207553-Benefits-of-applying-CRM-to-cardiac-arrest-resuscitation/>

Navarro, K. (2015, April). The research review: When to use hemostatic agents in EMS. Available at <http://www.ems1.com/medical-clinical/articles/2156227-When-to-use-hemostatic-agents-in-EMS/>

Navarro, K. (2015, March). The research review: How to improve your bag-valve mask technique. Available at <http://www.ems1.com/airway-management/articles/2115828-How-to-improve-your-bag-valve-mask-technique/>

Navarro, K. (2015, February). The research review: Advances in supraglottic airway devices. Available at <http://www.ems1.com/airway-management/articles/2095889-Advances-in-supraglottic-airway-devices/>

Navarro, K. (2014, December). The research review: How electrode placement affects ECGs. Available at <http://www.ems1.com/ecg/articles/2048422-How-electrode-placement-affects-ECGs/>

Navarro, K. (2014, November). The research review: Does amiodarone increase cardiac arrest survival rates? Available at <http://www.ems1.com/ems-products/Ambulance-Disposable-Supplies/articles/2031622-Does-amiodarone-increase-cardiac-arrest-survival-rates/>

Navarro, K. (2014, October). The research review: How to get an accurate glucose reading for diabetic patients. Available at <http://www.ems1.com/diabetes/articles/2010233-How-to-get-an-accurate-glucose-reading-for-diabetic-patients/>

Navarro, K. (2014, September). The research review: Prove it: Does assisted extrication increase cervical motion? Available at <http://www.ems1.com/education/articles/1977273-Prove-it-Does-assisted-extrication-increase-cervical-motion/>

Dees, L. (2015). Family & bystanders. In *Prehospital medicine: Clinical practice and systems oversight*. Oxford, UK: Wiley-Blackwell.

Adams, B., **Cason, D.** (2015). EMS provider education. In *Prehospital medicine: Clinical practice and systems oversight*. Oxford, UK: Wiley-Blackwell.

Grants and Contracts:

None reported

Healthcare Education and Research: DFW Area Health Education Center

Grants and Contracts:

Project Director: Lori Millner, PhD. Source: Susan G. Komen for the Cure. Title: The Ventanilla de Salud Breast Health Pilot Program. Amount: \$50,000. Dates: June 1, 2012-May 31, 2013. Purpose: Provide Breast Self-Awareness Education to 12,000 Spanish –speaking men and women and to provide client navigation services to approximately 150-300 clients.

Project Director: Carolyn Bradley-Guidry. Project Manager: Lori Millner, PhD. Source: Susan G. Komen Dallas Affiliate. Title: Screening Our Sisters. Amount: \$70,000. Dates: April 1, 2013-Mar 31, 2014. Purpose: Provide Breast Self-Awareness Education and Client navigation services minority women in Dallas County

Project Director: Lori Millner, PhD; Source: Susan G. Komen Dallas Affiliate. Title: The Ventanilla de Salud Breast Health Program. Amount: \$61,000. Dates: April 1, 2013-Mar 31, 2014. Purpose: Provide Breast Self-Awareness Education and Client navigation services for Spanish-speaking minority women in Dallas County. Status: Unfunded.

Grant Submissions (in review)
Susan G. Komen Dallas Affiliate

Department of Healthcare Sciences

Publications:

J.W Williamson, K. Hoggatt Krumwiede, J. Reed, S. Farmer, W. Berhendt. Does behavioral style influence learning style in health professions students. *J. Allied Health* 44(3): 158-163, 2015.

Krumwiede K. A Blueprint for Integrating Digital Multimedia with Online Learning Activities and Competency-based Outcomes in Higher Education for Healthcare. Society for Information Technology & Teacher Education International Conference, 2014 (1): 781–784.

Mizuno, M.,

G.A. Iwamoto, W. Vongpatanasin, J.H. Mitchell and **S.A. Smith**. Exercise training improves functional sympatholysis in spontaneously hypertensive rats through a nitric oxide dependent mechanism. *American Journal of Physiology*, 307: H242-H251, 2014.

Young-tae Kim, Aswini Kanneganti, Caleb Nothnagle, R. Landrith, **Masaki Mizuno**, Muthu Wijesundara, **Scott A. Smith**, Mario Romero-Ortega. Microchannel Electrode Stimulation of Deep Peroneal Nerve Fascicles Induced Mean Arterial Depressor Response in Hypertensive Rats. *Bioelectronic Medicine* Vol.2: 55-62, 2015.

Masaki Mizuno, Gary A. Iwamoto, Wanpen Vongpatanasin, Jere H. Mitchell, and **Scott A. Smith**. Dynamic exercise training prevents exercise pressor reflex overactivity in spontaneously hypertensive rats. *American Journal of Physiology Heart and Circulatory Physiology* Vol.309, No.5: 762-770, 2015.

Masaki Mizuno, Ryan M. Downey, Jere H. Mitchell, Richard J. Auchus, **Scott A. Smith** and Wanpen Vongpatanasin. Aldosterone and Salt Loading Independently Exacerbate the Exercise Pressor Reflex in Rats. *Hypertension* Vol.66, No.3: 627–633, 2015.

Scott A. Smith, Anna K. Leal, Megan N. Murphy, Ryan M. Downey and **Masaki Mizuno**. Muscle mechanoreflex overactivity in hypertension: a role for centrally-derived nitric oxide. *Autonomic Neuroscience: Basic & Clinical* Vol.188: 58-63, 2015

Spranger, M.D., A.C. Krishnan, D.S. O’Leary and **S.A. Smith**. Blood flow restriction training and the exercise pressor reflex: a call for concern. *American Journal of Physiology*, 309: H1440-H1452, 2015.

Kim, Y.T., A. Kanneganti, C. Nothnagle, R. Landrith, M. Mizuno, M.B.J. Wijesudara, **S. Smith** and M.I. Romero-Ortega. Microchannel electrode stimulation of deep

peroneal nerve fascicles induced mean arterial depressor response in hypertensive rats. *Bioelectronic Medicine*, 2: 55-62, 2015.

Grants and Contracts:

Williamson – Texas Department of Health - #2013-301486 HIV Morbidity Monitoring Program \$1,027,250

"Reynold's Foundation Next Steps" - Award for interprofessional education collaboration between the Division of Geriatric and School of Health Professions. Coordinate efforts in School of Health Professions. **K. Krumweide**: 20% salary first year, 25% following three years. \$1,000,000 award over 4 years. (July 2013 – July 2017)

2015-2016 Pilot and Feasibility Program UTSW O'Brien Kidney Research Core Center. The Role of Klotho in Sympathetic Regulation in Hypertension. (Role: Principle Investigator, **Masaki Mizuno**); \$35,000.

National Institutes of Health, National Heart, Lung and Blood Institute Basic Research Grant Award (RO1 #HL113738, Co-Investigator: **Smith SA**); "The Role of Aldosterone on Augmented Exercise Pressor Reflex in Hypertension"; \$346,538/year.

American Heart Association, National, Mentored Clinical & Population Research Award (#14CRP18500016, Mentor: **Smith SA**); "The Impact of Gait Training on the Metabolic Cost of Walking and Cardiorespiratory Capacity in Persons Post-Stroke"; \$75,000/year.

Texas Higher Education Coordinating Board, Minority Health Research and Education Grant (#13682, Co-PI: **Smith SA**); "Applicant Awareness and Enrichment Program"; \$75,000/year.

National Institutes of Health, National Institute of Diabetes, Digestive and Kidney Diseases, O'Brien Kidney Research Center Pilot and Feasibility Program (#P30DK079328, Collaborator: **Smith SA**); "The Role of Klotho in Sympathetic Regulation in Hypertension"; \$35,000/year.

Pending

National Institutes of Health, National Heart, Lung and Blood Institute, Basic Research Grant Award (RO1 #HL133179-01, Co-PI: **Smith SA**); "Preventing Hypertension and Sympathetic Overactivation by Targeting Phosphate"; \$250,000/year.

National Institutes of Health, National Institute of Diabetes, Digestive and Kidney Diseases, Basic Research Grant Award (Collaborator: **Smith SA**); "Effect of Prenatal Programming on Renal Tubular Transport"; \$250,000/year.

Submitted/Not Funded

National Institutes of Health, National Heart, Lung and Blood Institute Basic Research Grant Award Competitive Renewal (RO1 #HL088422, PI **Smith SA**); “Mechanisms of Exercise Pressor Reflex Overactivity in Hypertension”.

American Heart Association, Southwest Affiliate, Grant-in-Aid (#14GRNT20490344, PI: **Smith SA**); “Mechanisms of Training Induced Cardiovascular Benefits in Hypertension”.

American Heart Association, National, Strategically Focused Hypertension Research Network Grant (#15SFRN23850000, PI: **Smith SA**); “Role of Fibroblast Growth Factor 23 and Klotho in the Generation of Sympathetic Overactivity in Hypertension”.

Department of Physician Assistant Studies

Publications:

Pomeranz H, Bailey J, **Bradley-Guidry C**. Primary Care and Diversity in the Physician Assistant Profession. *J Physician Assist Educ*. 2014;25(4):47-51.

Jones PE, Williams J. Student Mental Health Implications for Physician Assistant Education. *The Journal of Physician Assistant Education*. 2014;25(2):5-10.

Dallo, F., **Kindratt T**. Disparities in vaccinations and cancer screening among US- and foreign-born Arab and European American non-Hispanic white women. *Women’s Health Issues*, 2015 Jan-Feb;25(1):56-62. doi: 10.1016/j.whi.2014.10.002.

Kindratt, T., Raza, A., Anderson, J., Evans, D.J.R., Gimpel, N. Letter to the Editor: ‘Don’t be scared:’ Demystifying Statistics in Postgraduate Medical Education. *Education for Primary Care*, 2015 Jan. 26(1):53-54.

Pagels, P., **Kindratt, T.**, Reyna, G., Lam, K., Silver, M. Gimpel, N. (2014) Establishing the Need for Family Medicine Training in Intimate Partner Violence Screening. *Journal of Community Health*. 2015 Jun;40(3):508-14. doi: 10.1007/s10900-014-9964-1.

Orcutt, VL. Exploring physician assistant data sources. *JAAPA*. 2015; 28(8):49-56.

Osborne JL, **Klocko DJ**. Grand Rounds: A female, 66, with persistent abdominal and back pain. *Clinician Reviews*. 2014; 24 (11):34-37.

Grants and Contracts:

Title: Training Future Primary Care Providers while Enhancing Pediatric Literacy among Homeless Women and their Children in Dallas, TX. Awarding Agency: Southwestern Academy of Teachers (SWAT) Junior Faculty Development Fund. PI: **T. Kindratt**. Amount: \$1,000. Dates: 07/01/15-06/30/16.

Title: Exploring the barriers of cervical cancer screening knowledge and health behaviors among women and their mother's influence. Agency: Texas Academy of Family Physicians Foundation. PI: C. Avila. **T. Kindratt**, Co-Investigator. Amount: \$4,350. Dates 08/01/14-08/01/15. Funded.

PAEA Pedersen Small Grants Program Proposal (July 2014). Funded October 2014. Factors Influencing Selection and Retention of Primary Care Practice by Physician Assistants: A Mixed Methods Approach. PI: **J. Williams** Co-Investigator: **VL Orcutt**. Award: \$5,790. Funded.

Submitted/Not funded

Title: EQUATE: Emphasizing Quality Across Training Environments. Awarding Agency: Health Resources and Services Administration (HRSA). PI: **V. Orcutt**. Co-Investigator **T. Kindratt**. Amount: \$819,475. Dates: 07/01/15-06/01/20. Scored 81, Not Funded.

Department of Physical Therapy

Publications:

Cano SJ, Mayhew A, Glanzman A, Krosschell KJ, Swoboda KJ, Main M, Steffensen B, Berard C, Girardot F, Payan C, Mercuri E, Mazzone E, Elsheikh B, Florence J, Hynan LS, Iannaccone ST, **Nelson L**, Pandya S, Rose M, Scott C, Sadjadi R, Yore MA, Joyce C, Kissel JT. Rasch Analysis of Clinical Outcome Measures in Spinal Muscular Atrophy. *Muscle & Nerve*. 2014 49(3):422-30.

Cleveland, S, Driver S, Swank, C, & **Macklin, S**. (2015). Classifying physical activity research following stroke using the behavioral epidemiologic framework. *Topics in Stroke Rehabilitation*, 1074935714Z-0000000043

Dewey, DC, Miocinovic, S, Bernstein, I, Khemani, P, Dewey, RB III, **Querry, R**, Chitnis, S, Dewey, RB Jr. Automated gait and balance parameters diagnose and correlate with severity in Parkinson disease. *J Neurol Sci*. 345(1-2): 131-138, 2014

McCain KJ, Farrar MF, Smith PS. Gait recovery in a girl with ischemic spinal cord stroke: a case report. *Pediatric Physical Therapy*. 2015 (27) 190–199.

Mulligan EP, Brunette M, Shirley Z, Khazzam M. Sleep Quality and Nocturnal Pain in Patients with Shoulder Disorders. *J Shoulder Elbow Surg*. 2015 Apr 1. pii: S1058-2746(15)00086-5. doi: 10.1016/j.jse.2015.02.013. [Epub ahead of print]. PMID:25842028

Mulligan EP, Middleton E, Brunette M. Evaluation and management of greater trochanter pain syndrome. *Phys Ther Sport*. 2015 Aug;16(3):205-14

Mulligan EP, McGuffie DQ, Coyner K, Khazzam M. The reliability and diagnostic accuracy of assessing the translation endpoint during the Lachman test. *Int J Sports Phys Ther*. 2015. Feb; 10(1):52-61.

Mulligan EP, Weber MD, Reinking MF. Competency revalidation study of specialty practice in sports physical therapy. *Int J Sports Phys Ther*. 2014 Dec;9(7):959-73.

Shearin SM, Smith PS, McCain KJ. Bracing for persons with Parkinson's disease: A case series with clinical reasoning. *Journal of Prosthetics and Orthotics*. 2015 (25) 95-102.

Zafereo J, Deschenes B. Spinal Manipulation in Central Sensitization *Journal of Applied Biobehavioral Research*. 2015;20;2 84-99.

Zafereo J, Devanna R, **Mulligan EP**, Wang S. Hip stiffness patterns in lumbar flexion or extension-based movement syndromes. *Arch Phys Med Rehab*. 2015 Feb;96(2):292-7

DeVahl J and **Dickson T** contributed to Dillon L, Gleeson P, Burgess N, Csiza L, Galloway R, Spivey S (eds): *Physical Therapist Manual for the Assessment of Clinical Skills, Edition 2*. Texas Consortium for Physical Therapy Clinical Education, Inc., 2015.

Grants and Contracts:

PI: **Karen McCain**, PT,DPT Agency: American Heart Association. Project Title: The impact of gait training on the metabolic cost of walking and cardiorespiratory capacity in persons post-stroke. Funded Amount: \$150,000

PI: **Ross Querry**, PhD, PT. Agency: LiteCure Inc. Project Title: A Randomized Control Trial Using Class IV Therapeutic Lasers for Improvements in Pain Management and Functional Abilities in Individuals with Chronic Musculoskeletal Pain. Funded Amount: \$32,000.

PI: **Patricia Blau**, PhD, PT. Agency: Department of Geriatrics. Project Title: Functional Brain MRI Correlations to Mobility and Gait Impairments and Fall Risk Funded Amount: \$20,000

PI: **Ross Querry**, PhD, PT. Project Title: Randomized Controlled Trial of High-Frequency, Low Amplitude Vibration for the Treatment of Acute and Chronic Musculoskeletal Conditions.
Funded Amount: \$19,600

PI: **Staci Shearin**, PT, NCS. Agency: Private Donor. Project Title: Synchronized Dual Channel Functional Electrical Stimulation on Gait and Functional Mobility in Persons with Neurological Impairment. Funded Amount: \$10,000

Agency: Industry Grant. Project Title: The Use of Dynamic Biofeedback with Low Load - Long Duration Stretching to Improve Knee and Ankle Range of Motion Funded Amount: \$6,500

PI: **Jason Zafereo**, PhD, PT. Agency: Texas Physical Therapy Association. Project Title: Manual Therapy and Motor Control Exercise for the Management of Chronic Low Back Pain with Hip and Spine Motion Loss: A Randomized Clinical Trial Funded Amount: \$2,750

PI: **Julie DeVahl**, DPT, PT. Agency: Allied Health School Association. Project Title: Physical Therapists' Perspective on Life Long Learning. Funded Amount: \$1,500

PI: **Tara Dickson**. DPT. PT. Agency: SWAT. Project Title: Design and Pilot Testing of an Inter-professional Student Evaluation of Teaching for Clinical Instructors. Funded Amount: \$2,160

Submitted Grants Not Funded

Co-Investigators: **Patti Blau**, PhD, PT and **Beth Deschenes**, DPT, PT. Agency: UT Community Medicine. Project Title: Identifying, Educating and Motivating Persons to Minimize their Risk for Falls in their Own Community Submitted: \$75,000

PI: **Jason Zafereo**, PhD, PT. Project Title: Improving Data Driven Clinical Decision Making in Chronic Pain: Effect of Measurement Based Care in a Comprehensive Opioid Reduction Program Submitted: \$50,000

PI: **Julie DeVahl**, DPT, PT. Agency: SWAT. Project Title: Physical Therapists Perspective on Lifelong Learning. Submitted: \$3,770

PI: Susan Simpkins, EdD, PT. **Agency:** Department of PM and R. **Project Title:** Effects of Selective Percutaneous Myofascial Lengthening on Gait in Children with Spasticity. **Submitted:** \$10,000

Department of Prosthetics-Orthotics

Publications:

Motylinski JB, G; Call, B; **Gao, F; Gray, L.** (2015) Bench Test Validation of a Dynamic Posterior Leaf Spring Ankle Foot Orthosis. J Prosthe Ortho (in press)

Gao F, Rodriguez J, **Kapp S** (2015) A Body-Powered Prosthetic Simulator: Development and Evaluation. Prosthet Orthot Int (in press)

Gao F, Carlton W (2015) An innovative method to quantitatively and objectively evaluate the effectiveness of cervical orthoses in restricting neck motion. Journal of Medical and Biological Engineering (in press)

Bhadane MY, **Gao F**, Francisco GE, Zhou P, Li S (2015) Correlation of Resting Elbow Angle with Spasticity in Chronic Stroke Survivors. Front Neurol 6:183 doi: 10.3389/fneur.2015.00183

Kobayashi T, Singer ML, Orendurff MS, **Gao F**, Daly WK, Foreman KB (2015) The effect of changing plantarflexion resistive moment of an articulated ankle-foot orthosis on ankle and knee joint angles and moments while walking in patients post stroke. *Clin Biomech (Bristol, Avon)* 30:775-780 doi: 10.1016/j.clinbiomech.2015.06.014

Gao F (2015) Effectiveness of Adjustable Cervical Orthoses and Modular Cervical Thoracic Orthoses in Restricting Neck Motion: A Comparative In vivo Biomechanical Study. *Spine (Phila Pa 1976)* 40:E1046-1051 doi: 10.1097/BRS.0000000000001013

Zhou Z, Zhou Y, Wang N, **Gao F**, Wei K, Wang Q (2015) A proprioceptive neuromuscular facilitation integrated robotic ankle-foot system for post stroke rehabilitation. *Robotics and Autonomous Systems* 73:111-122 doi: <http://dx.doi.org/10.1016/j.robot.2014.09.023>

Grants and Contracts:

Co-Investigators: Gao, F and Kapp, S. Department of Defense – CDMRP Peer Reviewed Orthopaedic Research Program (PRORP) (10/01/2015-9/31/2017), W81XWH-13-PRORP-IDA. Project Title: Smart Sensing and Dynamic Fitting for Enhanced Comfort and Performance of Prosthetics. Status: Submitted

P.I.: Gao, F. American Orthotic and Prosthetic Association – Small research grants (9/01/2015-8/31/2016). EBP- 043015. Project Title: Does Vacuum Assisted Socket System Improve Knee Proprioception and Dynamic Balance in Transtibial Amputees? Status: Submitted

Department of Rehabilitation Counseling

Publications:

McConnel CE. Chapter 16, Health Economics for Nurses, in *Foundations in Nursing Research* (7th Edition) by Rose Nieswiadomy, Pearson: Prentice Hall, In Press.

Serrano-Gonzalez M, **McConnel CE**, Bokhary M, Oden J, Lopez X. Association of Non-HDL Cholesterol with Psychosocial Dysfunction in Children and Adolescents with Obesity. *Childhood Obesity*. Oct 1 2015; 11 (5): 647-649.

Savoie L, **McConnel CE**. Analysis of costs and benefits of transparent, gauze, or no dressing for a tunneled central venous catheter in Canadian stem cell transplant recipients. *Canadian Oncology Nursing Journal*. 2015; 25 (3): 289-298.

Savoie L, **McConnel CE**, e (2015). Tunneled central venous catheter-related bloodstream infection in Canadian blood stem cell transplant recipients: Associated costs. *Canadian Oncology Nursing Journal*. 2015; 25 (3): 311-318.

Holland, A. A., Hughes, C., Harder, L., **Silver, C. H.**, Bowers, D., & Stavinoha, P. L. (2015). Effect of motivation on academic fluency performance in survivors of pediatric medulloblastoma. *Child Neuropsychology*, *21*, 1-17.

Kumar, R. R., Warner-Czyz, A. D., **Silver, C. H.**, Loy, B. A., Tobey, E. A. (2015). American parent perspectives on quality of life in pediatric cochlear implant recipients. *Ear & Hearing*, *36*(2), 269-278.

Hughes, C. W., Pickering, J., Baker, K., Bolanos, G., & **Silver, C.H.** (2014). Differentiating ADHD from oral language difficulties in children: Role of movements and effects of stimulant medication. *BMC Psychiatry*, *14*, 370-378.

Grants and Contracts:

None reported.