

CURRICULUM VITAE

Yi-Po Chiu, PT, MHS, PhD, CEEAA
Associate Professor/Director of Admissions
School of Physical Therapy
College of Health Professions
Marshall University
chiuy@marshall.edu
Tel/Fax: (304) 696-5618

Education and Training

University of Florida, Gainesville, FL
Rehabilitation Science
Doctor of Philosophy/Movement Dysfunction – 2002-2007

University of Florida, Gainesville, FL
Network for Bio-behavioral and Social Research and Training in Aging
Graduate Certificate in Gerontology – 1999-2007

University of Florida, Gainesville, FL
Department of Physical Therapy
Master of Health Science – 1999-2001

National Cheng Kung University, Tainan, Taiwan
Department of Rehabilitation Medicine, Division of Physical Therapy
Bachelor of Science – 1991-1995

Professional Experience/Employment History

Marshall University, College of Health Professions, School of Physical Therapy,
Huntington, West Virginia: Associate Professor (**tenured**) – May 2017- present

Marshall University, College of Health Professions, School of Physical Therapy,
Huntington, West Virginia: Assistant Professor (tenure track) – January 2012- April 2017

Angelo State University, College of Nursing and Allied Health, Department of Physical
Therapy, San Angelo, Texas: Assistant Professor (tenure track) – August 2010 to
December 2011

Louisiana State University Health Sciences Center-New Orleans, School of Allied Health
Professions, Department of Physical Therapy, New Orleans, Louisiana: Assistant
Professor (tenure track) – May 2008 to August 2010

University of Florida, College of Health Professions, Department of Physical Therapy,
Improving Motor Function Applying Constraint Therapy Laboratory, Gainesville,
Florida: Research Physical Therapist/Instructor/Training Supervisor – May 2005 to
December 2007

University of Florida, College of Health Professions, Department of Physical Therapy, Constraint-Induced Movement Therapy Laboratory, Gainesville, Florida: Research Physical Therapist/Evaluator- May 2001 to May 2005

University of Florida, College of Medicine, Department of Neurology, Gainesville, Florida: Research Assistant – January 2000 to May 2001

North Florida/South Georgia Veterans Health System, Brain Rehabilitation Research Center, Gainesville, Florida: Research Assistant – February 2000 to October 2001

National Cheng Kung University, School of Medicine, Department of Physical Therapy, Tainan, Taiwan: Teaching Assistant – August 1997 to March 1999

Liu, Jung-Chih Orthopedic Clinic, Tainan County, Taiwan: Outpatient Physical Therapist – July 1997 to July 1999

Saint Raphael Opportunity Center, Tainan, Taiwan: Pediatric Physical Therapist – September 1997 to February 1998

Huang, Jen-Tsuan Hospital, Tainan, Taiwan: Outpatient Physical Therapist – July 1997 to October 1997

Certification/Licensure

Physical Therapist, State of Texas, USA: License #1239379; Expiration Date- October 31, 2018

Physical Therapist, State of Delaware, USA: License #J1-0002100; Expiration Date- January 31, 2019

Physical Therapist, Department of Health, Taipei, Taiwan: License #1094 since December 1, 1997

Advanced Geriatrics Skills (AGES) Certification, West Virginia Geriatric Education Center: March 2012

Certification as Exercise Experts for Aging Adults (CEEAA), Section on Geriatrics, American Physical Therapy Association- San Marcos, TX: May 2011

Graduate Certificate in Gerontology, The Age Network, University of Florida: December 2007

Basic Life Support for Healthcare Providers (CPR & AED) Certification, American Heart Association; Expiration Date- July 2018

Professional Organization Memberships

American Physical Therapy Association, Physical Therapist Member – October 1999 to Present: Neurology, Geriatrics, Education & Research sections

West Virginia Physical Therapy Association, Physical Therapist Member – January 2012 to present

Texas Physical Therapy Association, Physical Therapist Member – August 2010 to December 2011

American Heart Association, Professional Member – June 2008 to June 2011

Physical Therapy Association of R.O.C. (Taiwan), Physical Therapist Member – 1994 to Present

American Geriatric Society, Student Member – 2003 to 2007

National Strength and Conditioning Association, Professional Member – 2007

Physical Therapist Association Taiwan, Physical Therapist Member – 1997 to 1999

Publications

Referred Publications

Journal Articles

Chiu Y-P, Fritz SL, Teitelbaum O, Teitelbaum P, Light KE. *Development and reliability of an alternative clinical method to measure quality of movement post-stroke*. Paper will be submitted to *Clinical Rehabilitation*. (under authors' review)

Chiu Y-P, Davis SB, Richards LG, Fritz SL, Light KE. *Effects of Constraint Induced Movement Therapy on quality of life in people with stroke*. Paper will be submitted to *Journal of Rehabilitation Research & Development*. (in progress)

Liu J, Lockhart TE, Parijat P, McIntosh JD, **Chiu Y-P**. (2015) Comparison of Slip Training in VR Environment and on Moveable Platform. *Biomedical Sciences Instrumentation*, 51, 189-197.

Ko M-S, **Chiu Y-P**, Hung Y-J. (2013) Dynamic postural control in order people with diabetes during gait initiation. *Phys Occup Ther Geriatr*, 31(4), 345-353.

Chiu, Y-P., Fritz, S.L., Light, K.E., Velozo, C.A. (2006). Using item response analysis to investigate measurement properties and the clinical validity of the Dynamic Gait Index. *Phy Ther*, 86(6), 778-787.

Fritz, S.L., **Chiu, Y-P.**, Malcolm, M.P., Patterson, T., Light, K.E. (2005). Feasibility of EMG-triggered neuromuscular stimulation as an adjunct to Constraint-Induced Movement Therapy: a case study. *Phys Ther*, 85(5), 428-442.

Kornetti, D., Fritz, S.L., **Chiu, Y-P.**, Light, K.E., Velozo, C. (2004). Rating scale analysis of the Berg Balance Test. *Arch Phys Med Rehabil*, 85(7), 1128-1135.

Abstracts

Chiu Y-P, Pfof GR, Chang K, Brown K, de Seroux P. (2018). *Rater Reliability of the Functional Gait Assessment in Typically Developed Children*. Paper to be presented at the 2018 APTA NEXT Conference and Exposition, Orlando, FL.

Chiu Y-P, Stacy L, Ison T, Emrick M, Kroll PG. (2017). *Are Physical Therapists Ready to Provide Primary Care for People with Type II Diabetes?* Paper presented at the World Confederation for Physical Therapy Congress 2017, Cape Town, South Africa.

Stacy L, Ison T, Emrick M, Kroll PG, **Chiu Y-P.** (2017). *Knowledge Preparedness of Practicing Physical Therapists for the Diagnosis, Screening and Management of Type II Diabetes in the Diabetes Epidemic Region*. Paper presented at the 2017 APTA NEXT Conference and Exposition, Boston, MA.

Liu J, Parijat P, Lockhart TE, Wahjudi P, **Chiu Y-P**, McIntosh JD. (2017). *Angular Kinematics Adaption during Walking in Virtual Reality Environment*. Paper presented at the Institute of Industrial & Systems Engineers Annual Conference & Expo 2017 (IISE 2017), Pittsburgh, PA.

Chiu Y-P, Wen P-S, Shah S, Liu J, Marshall T, Coleman B, Fosburgh DT, Neal R. (2017). *Relationship of Balance and Quality of Life and Participation in People Received Antiepileptic Drugs*. Paper presented at the 2017 APTA Combined Sections Meeting, San Antonio, TX.

Wen P-S, **Chiu Y-P.** (2016). *Quality of Life and Participation in Individuals with Epilepsy*. Paper presented at the 2016 Florida Occupational Therapy Association Annual Conference, Orlando, FL.

Chiu Y-P, Shah S, Wen P-S, Liu J, Beltramo K, Smith A, Gilbert S. (2016). *The Effects of Antiepileptic Drugs on Balance Function in People Admitted to an Inpatient Epilepsy Monitoring Unit Routine*. Paper presented at the 2016 APTA NEXT Conference and Exposition, Nashville, TN.

Chiu Y-P, Wen P-S, Shah S, Pfof, GR, Beltramo K, Smith A, Gilbert S. (2016). *Quality of Life and Social Participation in People Received Antiepileptic Drugs*. Paper presented at the 2016 APTA NEXT Conference and Exposition, Nashville, TN.

Liu J, **Chiu, Y-P.** (2016). *Postural stability assessment via inertial sensing for diabetic patients*. Paper presented at 2016 Industrial and Systems Engineering Research Conference (ISERC 2016), Safety, Human Factors and Ergonomics Track, Anaheim, CA.

Ko M-S, **Chiu Y-P**, Bae Y-H (2015). *Prolonged double stance time during gait initiation is associated with dynamic balance control in older people with diabetes*. Paper presented at the 2015 Gait and Clinical Movement Analysis Society Annual Conference, Portland, OR.

Liu J., Lockhart, T.E., Parijat, P., McIntosh, J.D., and Chiu, Y-P. (2015) *Comparison of slip training in VR environment and on moveable platform*, Paper presented at the 2015 Rocky Mountain Bioengineering Symposium, Salt Lake City, UT

Chiu Y-P, Karim R, Pfof GR, Terry K, Carlton T. (2015). *Feasibility and Effectiveness of Intraprofessional Education for Physical Therapist Students and Physical Therapist Assistant Students*. Paper presented at the 2015 APTA NEXT Conference and Exposition, National Harbor, MD.

Liu J, McIntosh J, **Chiu Y-P**. (2015). *Effect of Walkway Perturbation Training on Gait Symmetry*. Paper presented at the 2015 Industrial and Systems Engineering Research Conference (ISERC 2015), Human Factors and Ergonomics Track, Nashville, TN.

Chiu Y-P, Ko M-S, Ferguson C, Weis A, Rucker E. (2015). *Relationship between Gait Parameters and Dynamic Balance in People with Diabetes*. Paper presented at the World Confederation for Physical Therapy Congress 2015, Singapore, Singapore.

Ferguson C, Rucker E, Weis A, **Chiu Y-P**. (2014). *Effects of exercise intervention on balance function in people with diabetes: a systematic literature review*. Paper presented at the West Virginia Physical Therapy Association 2014 Spring Conference, Roanoke, WV.

Chiu Y-P, Wen P-S, Davis SB, Light KE. (2013) *Psychometric analysis of Wolf Motor Function Test in people receiving stroke intervention*. Paper presented at the American Physical Therapy Association Annual Conference, Salt Lake City, UT.

Ko M-S, **Chiu Y-P**, Hung Y-J. (2012) *Dynamic postural control in older people with diabetes during gait initiation*. Paper presented at the American Physical Therapy Association Annual Conference, Tampa, FL.

Poché A, **Chiu Y-P**. (2011) *The effects of physical activity on stereotypical behaviors in children with autism: a systematic literature review*. Paper presented at the 16th International WCPT Congress, Amsterdam, Netherlands.

Chiu Y-P, Davis SB, Fritz SL, Light KE, Teitelbaum O, Teitelbaum P. (2011) *Changes of movement quality in people with stroke who received Constraint Induced Movement Therapy*. Paper presented at the 16th International WCPT Congress, Amsterdam, Netherlands.

Millet M, **Chiu Y-P**. (2011) *Tai Chi as an intervention to improve balance in the elderly with impaired balance or at risk of falling: a systematic literature review*. Paper presented at the American Physical Therapy Association Combined Section Meeting, New Orleans, LA.

Chiu Y-P, Davis SB, Fritz SL, Light KE, Teitelbaum O, Teitelbaum P. (2011) *Effects of Constraint Induced Movement Therapy on quality of movement in people with stroke*. Paper presented at the American Physical Therapy Association Combined Section Meeting, New Orleans, LA.

Chiu Y-P, Fritz SL, Light KE, Wen P-S, Teitelbaum O, Teitelbaum P. (2010) *Movement Impairments in People with Stroke: Application of Eshkol-Wachman Movement Notation*. Paper presented at the 5th International Conference on Interdisciplinary Social Sciences, Cambridge, United Kingdom.

Chiu Y-P, Davis SB, Light KE, Wen P-S, Teitelbaum O, Teitelbaum P. (2010) *Quality of movement in people with stroke: clinical application of the essential movement component evaluation*. Paper presented at the American Physical Therapy Association Combined Section Meeting, San Diego, CA.

Chiu Y-P, Fritz SL, Wen P-S, Davis SB, Light KE, Teitelbaum O, Teitelbaum P. (2009) *Development and Reliability of Essential Movement-Component Evaluation: An Alternative Clinical Method to Analyze Movement in People with Stroke*. Paper presented at the International Stroke Conference 2009, San Diego, CA.

Chiu Y-P, Davis SB, Wen P-S, Fritz SL, Light KE, Teitelbaum O, Teitelbaum P. (2009) *Reliability of Essential Movement-Component Evaluation*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Las Vegas, NV.

Chiu, Y-P., Davis, S.B., Light, K.E., Behrman, A.L., Teitelbaum, O., Teitelbaum, P. (2008). *An alternative clinical method to analyze a complex movement task in the Wolf Motor Function Test*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Nashville, TN.

Davis, S.B., **Chiu, Y-P.**, Richards, L.G., & Fritz, S.L. (2008). *Quality of life changes by individual domains of the Stroke Impact Scale following Constraint Induced Movement Therapy*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Nashville, TN.

Chiu, Y.-P., Davis, S.B., Light, K.E., Behrman, A.L., Teitelbaum, O., Teitelbaum, P. (2007). *Movement component analysis of a complex task in the Wolf Motor Function Test using Eshkol-Wachman Movement Notation*. Paper presented at the 15th International World Confederation for Physical Therapy Congress, Vancouver, Canada.

Davis, S.B., **Chiu, Y-P.**, Richards, L.G., & Fritz, S.L. (2007). *Effect of Constraint-Induced Movement Therapy on health related quality of life*. Paper presented at the 15th International World Confederation for Physical Therapy Congress, Vancouver, Canada.

Chiu, Y-P., Davis, S.B., Richards, L.G., Fritz, S.L., Light, K.E. (2007). *Immediate effect of Constraint-Induced Movement Therapy on quality of life as measured by specific domains of the Stroke Impact Scale*. Paper presented at the American Physical Therapy Association Annual Conference, Denver, CO.

Chiu, Y-P., Davis, S.B., Fritz, S.L., Malcolm, M.P., Lin, S-Y., Light, K.E., Behrman, A.L. (2006). *Long-term changes of health-related quality of life in individuals post-stroke who received Constraint-Induced Movement Therapy in conjunction with Donepezil and r-Transcranial Magnetic Stimulation (r-TMS)*. Paper presented at the American Physical Therapy Association Annual Conference, Orlando, FL.

Chiu, Y-P., Fritz, S.L., Light, K.E., Behrman, AL., Lin, S-Y., Teitelbaum, O., Teitelbaum, P. (2005). The invariant features of reaching movement in older adults with stroke: an application of Eshkol-Wachman Movement Notation. *J Am Geriatr Soc*, 53(4), S120.

Chiu, Y-P., Light, K.E., Behrman, A.L., Flynn, S.M., Teitelbaum, O., Teitelbaum, P. (2005) *The application of Eshkol-Wachman Movement Notation in movement analyses of stroke*. Paper presented at the American Physical Therapy Association Combined Section Meeting, New Orleans, LA.

Chiu, Y-P., Fritz, S.L., Kornetti, D.L., Velozo, C.A., Light, K.E. (2003). *Evaluation of the Dynamic Gait Index in the community dwelling elderly population with balance deficits using Rasch model analysis*. Paper presented at the 14th International World Confederation for Physical Therapy Congress, Barcelona, Spain.

Kornetti, D.L., Fritz, S.L., **Chiu, Y-P.,** Light, K.E., Velozo, C.A. (2002). Functional interpretation of the Berg Balance Test using the Rasch measurement model. *J Geriatr Phy Ther*, 25(3), 29.

Chiu, Y-P., Light, K.E., Fritz, S.L., Kornetti, D.L., Velozo, C.A. (2002). The use of the Rasch model to analyze the Dynamic Gait Index in the community dwelling elderly population with balance deficits. *J Geriatr Phy Ther*, 25(3), 43-44.

Fritz, S.L., Patterson, T.S., **Chiu, Y-P.,** Malcolm, M.P., Light, K.E. (2002). EMG-triggered neuromuscular stimulation as an adjunct to CIMT: a case study. *J Geriatr Phy Ther*, 25(3), 43.

Malcolm, M.P., **Chiu, Y-P.,** Light, K.E., Fritz, S.F., Behrman, A.B., Gonzalez-Rothi, L.J. (2002). Effectiveness of constraint-induced movement therapy in high and low functioning sub-acute stroke survivors. *Department of Veteran Affairs 3rd National Rehabilitation Research and Development Conference Proceedings*, 30.

Malcolm, M.P., **Chiu, Y-P.,** Fritz, S.L., & Light, K.E. (2002). *Constraint Induced Movement Therapy in subacute stroke survivors*. Paper presented at the VA National Rehabilitation Research Conference, Arlington, VA.

Non-referred PublicationsAbstracts

Millet M, **Chiu Y-P.** (2010) Tai Chi as an Intervention to Improve Balance in Balance Impaired or At Risk Seniors: A Systematic Literature Review. Paper presented at the LSUHSC School of Allied Health Professions Research Day, New Orleans, LA.

Poché A, **Chiu Y-P.** (2010) The Effects of Physical Activity on Stereotypic Behaviors in Children with Autism. Paper presented at the LSUHSC School of Allied Health Professions Research Day, New Orleans, LA.

Chiu Y-P, Fritz SL, Wen P-S, Davis SB, Light KE, Teitelbaum O, Teitelbaum P. (2009) *Development and Reliability of Essential Movement-Component Evaluation: An Alternative Clinical Method to Analyze Movement in People with Stroke.* Paper presented at the LSUHSC School of Allied Health Professions Research Day, New Orleans, LA.

Chiu, Y-P., Light, K.E., Behrman, A.L., Flynn, S.M., Teitelbaum, O., Teitelbaum, P. (2005). *The application of Eshkol-Wachman Movement Notation in movement analyses of stroke.* Paper presented at the University of Florida College of Public Health and Health Professions Research Day, Gainesville, FL.

Fritz, S.L., Patterson, T.S., Malcolm, M.P., **Chiu, Y-P.,** Light, K.E. (2003). *Constraint Induced Movement Therapy with electromyography-triggered neuromuscular stimulation: a case study.* Paper presented at the University of Florida College of Health Professions Research Day, Gainesville, FL.

Patterson, T.S., Fritz, S.L., Malcolm, M.P., **Chiu, Y-P.,** Light, K.E. (2003). *Constraint Induced Movement Therapy: a comparison of on-site therapy versus home therapy.* Paper presented at the University of Florida College of Health Professions Research Day, Gainesville, FL.

Doctoral Dissertation

Chiu, Y-P. (2007). *Stroke and Constraint-Induced Movement Therapy: use of Eshkol-Wachman Movement Notation to examine quality of movement.* Rehabilitation Science, University of Florida, Gainesville, FL.

Professional PresentationsPlatform Presentations at Professional Meetings

Chiu Y-P, Fritz SL, Light KE, Wen P-S, Teitelbaum O, Teitelbaum P. (2010) *Movement Impairments in People with Stroke: Application of Eshkol-Wachman Movement Notation.* Paper presented at the 5th International Conference on Interdisciplinary Social Sciences, Cambridge, United Kingdom.

Poster Presentations at Professional Meetings

Chiu Y-P, Davis SB, Light KE, Wen P-S, Teitelbaum O, Teitelbaum P. (2010) *Quality of movement in people with stroke: clinical application of the essential movement component*

evaluation. Paper presented at the American Physical Therapy Association Combined Section Meeting, San Diego, CA.

Chiu Y-P, Fritz SL, Wen P-S, Davis SB, Light KE, Teitelbaum O, Teitelbaum P. (2009) *Development and Reliability of Essential Movement-Component Evaluation: An Alternative Clinical Method to Analyze Movement in People with Stroke*. Paper presented at the International Stroke Conference 2009, San Diego, CA.

Chiu Y-P, Davis SB, Wen P-S, Fritz SL, Light KE, Teitelbaum O, Teitelbaum P. (2009) *Reliability of Essential Movement-Component Evaluation*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Las Vegas, NV.

Chiu, Y-P., Davis, S.B., Light, K.E., Behrman, A.L., Teitelbaum, O., Teitelbaum, P. (2008). *An alternative clinical method to analyze a complex movement task in the Wolf Motor Function Test*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Nashville, TN.

Davis, S.B., **Chiu, Y-P.**, Richards, L.G., & Fritz, S.L. (2008). *Quality of life changes by individual domains of the Stroke Impact Scale following Constraint Induced Movement Therapy*. Paper presented at the American Physical Therapy Association Combined Section Meeting, Nashville, TN.

Chiu, Y.-P., Davis, S.B., Light, K.E., Behrman, A.L., Teitelbaum, O., Teitelbaum, P. (2007). *Movement component analysis of a complex task in the Wolf Motor Function Test using Eshkol-Wachman Movement Notation*. Paper presented at the 15th International World Confederation for Physical Therapy Congress, Vancouver, Canada.

Davis, S.B., **Chiu, Y-P.**, Richards, L.G., & Fritz, S.L. (2007). *Effect of Constraint-Induced Movement Therapy on health related quality of life*. Paper presented at the 15th International World Confederation for Physical Therapy Congress, Vancouver, Canada.

Chiu, Y-P., Davis, S.B., Richards, L.G., Fritz, S.L., Light, K.E. (2007). *Immediate effect of Constraint-Induced Movement Therapy on quality of life as measured by specific domains of the Stroke Impact Scale*. Paper presented at the American Physical Therapy Association Annual Conference, Denver, CO.

Chiu, Y-P., Davis, S.B., Fritz, S.L., Malcolm, M.P., Lin, S-Y., Light, K.E., Behrman, A.L. (2006). *Long-term changes of health-related quality of life in individuals post-stroke who received Constraint-Induced Movement Therapy in conjunction with Donepezil and r-Transcranial Magnetic Stimulation (r-TMS)*. Paper presented at the American Physical Therapy Association Annual Conference, Orlando, FL.

Chiu, Y-P., Fritz, S.L., Light, K.E., Behrman, AL., Lin, S-Y., Teitelbaum, O., Teitelbaum, P. (2005). The invariant features of reaching movement in older adults with stroke: an application of Eshkol-Wachman Movement Notation. *J Am Geriatr Soc*, 53(4), S120.

Chiu, Y-P., Light, K.E., Behrman, A.L., Flynn, S.M., Teitelbaum, O., Teitelbaum, P. (2005) *The application of Eshkol-Wachman Movement Notation in movement analyses of stroke*. Paper presented at the American Physical Therapy Association Combined Section Meeting, New Orleans, LA.

Chiu, Y-P., Fritz, S.L., Kornetti, D.L., Velozo, C.A., Light, K.E. (2003). *Evaluation of the Dynamic Gait Index in the community dwelling elderly population with balance deficits using Rasch model analysis*. Paper presented at the 14th International World Confederation for Physical Therapy Congress, Barcelona, Spain.

Kornetti, D.L., Fritz, S.L., **Chiu, Y-P.**, Light, K.E., Velozo, C.A. (2002). Functional interpretation of the Berg Balance Test using the Rasch measurement model. *J Geriatr Phy Ther*, 25(3), 29.

Chiu, Y-P., Light, K.E., Fritz, S.L., Kornetti, D.L., Velozo, C.A. (2002). The use of the Rasch model to analyze the Dynamic Gait Index in the community dwelling elderly population with balance deficits. *J Geriatr Phy Ther*, 25(3), 43-44.

Fritz, S.L., Patterson, T.S., **Chiu, Y-P.**, Malcolm, M.P., Light, K.E. (2002). EMG-triggered neuromuscular stimulation as an adjunct to CIMT: a case study. *J Geriatr Phy Ther*, 25(3), 43.

Malcolm, M.P., **Chiu, Y-P.**, Light, K.E., Fritz, S.F., Behrman, A.B., Gonzalez-Rothi, L.J. (2002). *Effectiveness of constraint-induced movement therapy in high and low functioning sub-acute stroke survivors*. Paper presented at the VA 3rd National Rehabilitation Research and Development Conference, Kansas City, KS.

Malcolm, M.P., **Chiu, Y-P.**, Fritz, S.L., & Light, K.E. (2002). *Constraint Induced Movement Therapy in subacute stroke survivors*. Paper presented at the VA National Rehabilitation Research Conference, Arlington, VA.

Invited Presentations

Balance Function in daily life. (2014) Cabell-Wayne Association of the Blind, Huntington, WV.

Does Slower Walking Matter? The Relationship between Walking and Balance in people with diabetes (2013). The Diabetes Exercise and Cardiopulmonary Rehabilitation Program, Cabell Huntington Hospital, Huntington, WV.

Exercise for People with Amyotrophic Lateral Sclerosis (2011). San Angelo ALS Connection Meeting, San Angelo, TX.

Grants

Co-PI- Principal Investigator Dr. Jian Liu. "Developing mobile fall detection technology." NIH Academic Research Enhancement Award opportunity (R15); Not Funded. 7/2016-6/2019.

Co-PI- Principal Investigator Dr. Jian Liu. “Perturbation-based slip training using a virtual reality environment.” NIH R21; Not Funded. 9/2016-8/2019.

Co-PI- Principal Investigator Dr. Jian Liu. “Automated Walkway surface perturbation training program for fall prevention.” NIH Academic Research Enhancement Award opportunity (Parent R15, PA-13-313); Not Funded. 7/2015-6/2018.

Co-PI- Principal Investigator Dr. Kumika Toma. “Racial disparities of musculoskeletal composition and balance function in community dwelling elderly: a pilot study.” Michigan Center for Urban African American Aging Research (MCUAAAR) Pilot Grant; Not Funded. \$29,008.39; 8/2014-7/2015.

Co-PI- Principal Investigator Dr. Jian Liu. “Characterizing human biomechanical motion features during activities of daily living.” Center for Clinical and Translational Science (CCTS) 2014 Pilot Grant- UK-MU Collaborative Grant; Not Funded. \$25,000; 8/2014-2/2016.

Co-PI- Principal Investigator Dr. Man-Soo Ko. “Effectiveness of Gait Initiation as a Clinical Screening Tool for Identifying the Balance Deficits in People with Diabetes.” ASU Faculty Research Enhancement Grant Program; Funded. \$14,834; 9/2012-8/2013.

Co-PI- Principal Investigator Dr. Man-Soo Ko. “Gait Initiation: Movement Pattern Analyses in People with Stroke.” ASU Faculty Development & Enrichment Program Grant; Not Funded. \$10,361; 3/2012-2/2013.

Co-PI- Principal Investigator Dr. Man-Soo Ko. “Gait Initiation in People with Stroke.” ASU Faculty Development & Enrichment Program Grant; Funded \$19,185; 4/2011-3/2012.

Principal Investigator- “Effects of Client-Oriented mCIT in People with Stroke: A Preliminary Study.” School of Allied Health Professions, LSUHSC- New Orleans; Funded \$5000; 8/2010-8/2011

Co-PI- Principal Investigator Dr. Kathye E. Light. NIH RO1 “Researching Effective Alternatives to Constraint for Hemiparesis (REACH).” Not Funded: 2008.

Project Research Physical Therapist- Principal Investigator Dr. Kathye E. Light. NIH RO1: Examining Parameters of Constraint-Induced Movement Therapy. Funded: May, 2005 to May 2010.

Project Evaluator- Principal Investigator Dr. Kathye E. Light: Florida Department of Health Biomedical Research Program, Constraint-induced movement therapy for stroke rehabilitation. Funded: November 2001 to November 2003.

Major Areas of Research Interest

Balance function in People with Neurological Dysfunction
Stroke upper-extremity rehabilitation
Constraint-Induced Movement Therapy
Quality of human movement

Teaching Experience

Marshall University:

Year I

Summer:

L: PT 710 Introduction to Human Movement
Advisor for 10 doctoral students

Fall:

CC, I: PT 701 Neuroanatomy
I: PT 771 Clinical Application Seminar Experience I
Advisor for 10 doctoral students

Spring:

CC, I: PT 703 Neuroscience II
I: PT 772 Clinical Application Seminar Experience II
Advisor for 10 doctoral students

Year II

Summer:

CC, I: PT 713 Human Movement III
I: PT 773 Clinical Application Seminar Experience III
Advisor for 10 doctoral students

Fall:

CC, I: PT 744 Medical Pathophysiology in PT IV
I: PT 774 Clinical Application Seminar Experience IV
Advisor for 10 doctoral students

Spring:

CC, I: PT 704 Neurorehabilitation
I: PT 775 Clinical Application Seminar Experience V
I: PT 764 Evidence Based Physical Therapy IV
Advisor for 10 doctoral students

Year III

Summer:

I: PT 776 Clinical Application Seminar Experience VI
I: PT 765 Evidence Based Physical Therapy V
Advisor for 10 doctoral students

Fall:

I: PT 777 Clinical Application Seminar Experience VII
I: PT 766 Evidence Based Physical Therapy VI
Advisor for 10 doctoral students

Spring:

I: PT 767 Evidence Based Physical Therapy VII
Advisor for 10 doctoral students

Previous Courses Taught/Coordinated

LSUHSC-New Orleans

PHTH 7130 Foundational Science of Movement
PHTH 7141 Neurosciences I
PHTH 7243 Neurosciences III
PHTH 7240 Motor Behavior
PHTH 7271 Diagnosis & Management in Neuromuscular Dysfunction
PHTH 7204 Evidence-Based Physical Therapy IV
PHTH 7205 Evidence-Based Physical Therapy V
PHTH 7206 Evidence-Based Physical Therapy VI
Integrated Case Application Labs

Angelo State University

PT 7331 Motor Control & Clinical Applications
PT 7655 Neuromuscular Examination & Management
PT 7243 Evidence-Based Practice Seminar II
PT 7710 Clinical Anatomy
PT 7323 Neuromuscular Pathology
PT 7241 Clinical Research

Consultative and Advisory Positions Held

Doctoral Student Capstone Projects

Veronica Sanchez, Rebekah Green, Nathan O'Dell. (Title: Psychometric Properties of the Functional Gait Assessment in Typically Developing Children); Marshall University; 2017-present.

Kayla Brown, Kelly Chang, Patrick de Seroux. (Title: Psychometric Properties of the Functional Gait Assessment in Typically Developing Children); Marshall University; 2016-present.

Brian Coleman, Trey Fosburgh, Tyler Marshall. (Title: Balance Function Assessment in People Admitted to an Inpatient Epilepsy Monitoring Unit (EMU) Routine); Marshall University; 2015-2017.

Larissa Stacy, McKenzie Emrick, Taylor Ison. (Title: Knowledge of Evidence Based Guidelines in Practicing Physical Therapists for Treatment of Patients with Diabetic Neuropathy); Marshall University; 2016-2017.

Karina Beltramo, Shane Gilbert, Anntonia Smith. (Title: Balance Function Assessment in People Admitted to an Inpatient Epilepsy Monitoring Unit (EMU) Routine); Marshall University; 2014-2015.

Christina Ferguson, Ashton Weis, Emily Rucker. (Title: Balance function in people with Type II diabetes); Marshall University; 2013-2015.

Michael Millet (Title: Tai Chi as an Intervention to Improve Balance in Balance Impaired or At Risk Seniors: A Systematic Literature Review); LSUHSC-New Orleans; 2010

Abby Poché (Title: The Effects of Physical Activity on Stereotypic Behaviors in Children with Autism); LSUHSC-New Orleans; 2010

John Hayes (Title: Subthalamic Deep Brain Stimulation and Parkinson's Disease: A Systematic Literature Review); LSUHSC-New Orleans; 2010

Master Thesis

Kevin Thornton (Title: American Involvement in the Boer War); Department of History, College of Graduate Studies, Angelo State University; 2011

Continuing Education Workshops Conducted/Organized

Constraint-Induced Movement Therapy: Past, Present and Prospective. Yunlin Occupational Therapist Association Taiwan, Yunlin County, Taiwan. December 28, 2009.

Continuing Education Workshops Attended

- July 2016- IV STEP 2016: Prevention, Prediction, Plasticity, & Participation, APTA Neurology and Pediatrics Sections, Columbus, OH (29.5 contact hours) (July 14-19, 2016)
- June 2016- The Evidence-Based Proprioceptive Neuromuscular Facilitation approach: Theory and Practice of Posture and Balance. APTA 2016 NEXT Conference and Exposition Preconference Course, Nashville, TN (9 contact hours) (June 8, 2016)
- March 2015- Vestibular Rehabilitation: Theory, Evidence & Practical Application, Rehabilitation Institute of Chicago, Chicago, IL (21 contact hours) (March 5-7, 2015)
- July 2013- Neuroanatomical Dissection: Human Brain and Spinal Cord, Marquette University, Milwaukee, WI (21 contact hours) (July 18-20, 2013)
- September 2012- Unveiling NIH Toolbox (September 10-11, 2012)
- September 2012- Administrating NIH Toolbox Training Workshop (September 12-14, 2012)
- September 2012- Gait & Foot Function Analysis Seminar (September 15-16, 2012)
- March 2012- Advanced Geriatrics Skills (AGES) 8th Annual Certification Program (15.5 contact hours)
- June 2011- Update on Parkinson Disease: Implications for Physical Therapists (6 contact hours)
- May 2011- Certified Exercise Expert for Aging Adults Course 3 (15 contact hours)
- March 2011- Certified Exercise Expert for Aging Adults Course 2 (15 contact hours)
- January 2011- Certified Exercise Expert for Aging Adults Course 1 (15 contact hours)
- January 2011- Medications and Falls in the Elderly: Risks and Reduction Strategies. (Webinar) Section on Geriatrics, APTA (1 contact hour)
- May 2010- Wii Hab-Beyond the Games. LSUHSC-NO (16 contact hours)

Contributions to Referred Publications

Editorial Board Member for Annals of Yoga and Physical Therapy, 2016-present
 Editorial Board Member for Journal of Novel Physiotherapies, 2011-present

Research Peer Reviewer for American Heart Association, 2010- present
 Manuscript Reviewer for Occupational Therapy International, 2016- present
 Manuscript Reviewer for Neuroscience Letters, 2012- present
 Manuscript Reviewer for Physiotherapy Research International, 2012-present
 Manuscript Reviewer for Journal of Rehabilitation Research & Development, 2011-present
 Manuscript Reviewer for Archives of Physical Medicine and Rehabilitation, 2006-present
 Manuscript Reviewer for Journal of Biomechanics, 2007- present

Service

National

Academy of Geriatric Physical Therapy, American Physical Therapy Association
 Member for Finance Committee (September 1, 2017-September 1, 2020)
 PTCAS Work Group, American Physical Therapy Association
 Admissions Chair Representative (July 1, 2016- June 30, 2019)
 Section on Research, American Physical Therapy Association
 Member for Membership Committee (July 1, 2013- June 30, 2016)

State

West Virginia Physical Therapy Association
 Member for Research Committee (2013- present)

Schools

Marshall University

University

Member for University Assessment Committee
 DPT Faculty Marshal for MU Graduate Commencement (May 9, 2017)
 DPT Faculty Marshal for MU Graduate Commencement (May 7, 2016)
 DPT Faculty Marshal for MU Graduate Commencement (May 9, 2015)
 Member for Academic Hearing Panel (2015-2016)
 Faculty Marshall for MU Graduate Commencement (May 9, 2015)
 Member for Student Activities Fee Committee (2012-2015)
 Member for Faculty Senate Committee (2012-2014)
 Faculty Usher for MU Graduate Commencement (May 11, 2013)

College

SOPT Member for Promotion and Tenure Committee (2017-2019)
 SOPT representative for Dean's Review Consulting Committee (May 2017)
 Member for Academic Hearing Panel Committee

Department

Director of Admissions (2018- present)
 Chair for Admissions Committee (2012- 2018)
 Chair for SOPT Promotion and Tenure Committee (January 2018)
 Member for Administrative Committee (2016- present)
 Department Chair Search Committee Member (March-July 2016)
 Member for Admissions Committee (2012)

Member for Research Committee (2012- present)
Member for Curriculum Committee (2012-2013)
Faculty Search Committee Member (for 5 faculty hires)

Angelo State University:

Department

Member for Scholarship Committee
Member for Motor Control Journal Club
Member for ASU-Shannon Improvement Science Team

College

Graduate Studies
Master Thesis Advisory Committee Member (Spring 2011): Kevin Thornton
(Department of History)/*American Involvement in the Boer War*

Community

San Angelo ALS Connection, San Angelo, TX

Honor and Awards

Quinlan Endowment Research Grant, Faculty Senate, Marshall University: the 2017
Combined Section Meeting, American Physical Therapy Association, Boston, MA, February
2017.

INCO Foundation Grant, Faculty Senate, Marshall University: IV STEP 2016: Prevention,
Prediction, Plasticity, and Participation, the Pediatric & Neurology Sections of APTA,
Columbus, OH, July 2016.

Quinlan Endowment Research Grant, Faculty Senate, Marshall University: the NEXT
Conference & Exposition, American Physical Therapy Association, Nashville, TN, June
2016.

Quinlan Endowment Research Grant, Faculty Senate, Marshall University: the World
Confederation for Physical Therapy Congress 2015, Singapore, Singapore, May 2015.

INCO Foundation Grant, Faculty Senate, Marshall University: Vestibular Rehabilitation:
Theory, Evidence & Practical Application, Rehabilitation Institute of Chicago, Chicago, IL,
March 2015.

Quinlan Endowment Research Grant, Faculty Senate, Marshall University: Annual
Conference, American Physical Therapy Association, Salt Lake City, June 2013.

Quinlan Endowment Research Grant, Faculty Senate, Marshall University: Annual Conference, American Physical Therapy Association, Tampa, June 2012.

RGP/DSR Student Travel Funding, Office of Research and Graduate Programs & Division of Sponsored Research, University of Florida: The 15th International World Confederation for Physical Therapy Congress, Vancouver, Canada. June 2007.

Graduate Student Council Travel Fund, Student Government, University of Florida: Annual Conference, American Physical Therapy Association, Denver, June 2007.

Graduate Student Council Travel Fund, Student Government, University of Florida: Annual Conference, American Physical Therapy Association, Orlando, June 2006.

Revised 02/08/2018