

Szu-Ping Lee, PT, PhD

Associate Professor

Department of Physical Therapy, University of Nevada, Las Vegas
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Education

PhD	University of Southern California, Los Angeles, California	2012	Biokinesiology
MS	University of Florida, Gainesville, Florida	2005	Human Performance/ Biomechanics
BS	National Yang-Ming University, Taipei, Taiwan	2001	Physical Therapy

Employment

Jul 2018 – Present

Associate Professor – Department of Physical Therapy, University of Nevada, Las Vegas, Nevada. Director of Clinical Locomotor Neuromechanics Laboratory. Currently teaching the following courses:

- Physical Agents & Clinical Electrophysiology Lecture and Laboratory (DPT)
- Prosthetics & Orthotics Lecture and Laboratory (DPT)
- Pathobiomechanics (PhD)
- Physiological Bases of Rehabilitation (PhD)
- Interdisciplinary Health Science seminar (PhD)

Jan 2013 – Jun 2018

Assistant Professor – Department of Physical Therapy, University of Nevada, Las Vegas, Nevada. Taught the following courses:

- Evidence-based Physical Therapy Practice I & II (DPT)
- Exercise Physiology Lecture and Laboratory (DPT)
- Clinical Research (DPT)
- Physical Agents & Clinical Electrophysiology Lecture and Laboratory (DPT)
- Applied Research Statistics (DPT)
- Prosthetics & Orthotics Lecture and Laboratory (DPT)
- Pathobiomechanics (PhD)
- Physiological Bases of Rehabilitation (PhD)
- Interdisciplinary Health Science seminar (PhD)

Aug 2012 – Dec 2012

Post-Doctoral Fellow – Department of Physical Therapy, University of Nevada, Las Vegas, Nevada. Responsibilities: instruction and research in the Doctor of Physical Therapy program.

2008 – 2012

Graduate Assistant – Division of Biokinesiology and Physical Therapy, University of Southern California, Los Angeles, California. Responsibilities: assist in instruction of the following courses in a Doctor of Physical Therapy program

- Analytical Anatomy

- Clinical Management of Cardiopulmonary Dysfunction
- Clinical Electrophysiology
- Physical Agents in Physical Therapy

- 2005 – 2007 **Graduate Assistant** – Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, Florida.
Responsibilities: assist in instruction of the following courses:
- Applied Anatomy lecture and laboratory
- 2002 – 2004 **Physical Therapist** – Department of Rehabilitation, Taiwan Adventist Hospital, Taipei, Taiwan
Responsibilities: orthopedic and neurological physical therapy
- 2002 – 2004 **Clinical Educational Instructor** –Taiwan Adventist Hospital, Taipei City, Taiwan
Responsibilities: lecture –Postpartum Back-Pain Prevention Exercise Program

Honors, Awards, and Fellowships

- 2020 Community-Based Research Award, University of Nevada, Las Vegas
- 2019 Distinguished Scholar Award, School of Allied Health Sciences, University of Nevada, Las Vegas
- 2018-2023 Research Scientist Development Award (K01), Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Health
- 2018 Faculty Fellow, Institute for Creative Research Assignments: Looking Beyond the Research Paper. UNLV Libraries Faculty Institute
- 2015 Reviewer of the Year Award, *Journal of Orthopaedic and Sports Physical Therapy* (JOSPT)
- 2015 Distinguished Teaching Award, School of Allied Health Sciences, University of Nevada, Las Vegas
- 2015 Fellowship, Training in Grantsmanship for Rehabilitation Research (TIGRR), sponsored by National Center for Medical Rehabilitation Research, Eunice Kennedy Shriver National Institute of Child Health and Human Development.
- 2014 3rd place in Donald W. Reynolds Governor’s Cup Business Plan Competition “Dynamend Corporation”, faculty advisor.
- 2013 Faculty Opportunity Research Award, University of Nevada, Las Vegas
- 2011 International Society of Biomechanics (ISB) Dissertation Award
- 2010 Most Innovative Award finalist, presented by the USC Stevens Institute for Innovation, Herman-Ostrow School of Dentistry, University of Southern California.
- 2009 Musculoskeletal Biomechanics Biokinesiology and Physical Therapy Research Award 2nd place, University of Southern California
- 2007 Young Investigator Award 3rd place, 21st Congress of the International Society of Biomechanics
- 2005 Norma Leavitt Fellowship, University of Florida, College of Health and Human Performance
- 2004-2007 Taiwan Ministry of Education Advanced Study Scholarship, Ministry of Education, Taiwan

Peer Reviewed Publications

- **Referred Articles**
 1. **Lee SP**, Hsu YW, Andrew L, Davis T, Johnson C. Fear of Falling Avoidance Behavior Affects the Inter-relationship between Vision Impairment and Diminished Mobility in Community-dwelling Older Adults. *Physiotherapy Theory and Practice* (accepted May 7th, 2020).
 2. Clemens S, Doerger C, **Lee SP**. Current and Emerging Trends in the Management of Fall Risk in

- People with Lower Limb Amputation. *Current Geriatrics Reports* (accepted April 10th).
3. **Lee SP**, Chien LC, Chin T, Fox H, Gutierrez J. Financial Difficulty after Amputation is Associated with Perceived Health and Wellbeing in Community-Dwelling Persons with Lower Limb Loss. *Prosthetics & Orthotics International* (accepted, April 1st, 2020).
 4. Ho KY, Evers M, Kellogg J, Teter K, **Lee SP**, Chang YJ, Bashford G. Patellar Tendon Morphology in Transtibial Amputees Utilizing a Prosthesis with a Patellar-tendon-bearing Feature. *Nature Scientific Reports* 2019, 9(1): 1-7.
 5. Montes J, Tandy R, Young JC, **Lee SP**, Navalta JW. Step Count Reliability and Validity of Five Wearable Technology Devices While Walking and Jogging in Both a Free Motion Setting and on a Treadmill. *International Journal of Exercise Science*. (accepted Nov 12th, 2019).
 6. **Lee, SP**, Dinglasan V, Duong A, Totten R, Armour Smith, J. Individuals with Recurrent Low Back Pain Exhibit Significant Changes in Paraspinal Muscle Strength after Intramuscular Fine Wire Electrode Insertion. *PM&R* (accepted Oct 21st, 2019).
 7. Montes J, Tandy R, Young JC, **Lee SP**, Navalta JW. A Comparison of Multiple Wearable Technology Devices Heart Rate and Step Count Measurements during Free Motion and Treadmill Based Measurements. *International Journal of Kinesiology and Sports Science* 2019 7(2): 30-39.
 8. **Lee SP**, Gillis C, Ibarra J, Oldroyd D, Zane R. Heel-Raised Foot Posture and Weightlifting Shoes Do Not Affect Trunk and Lower Extremity Biomechanics during a Barbell Back Squat in Recreational Weight Lifters. *Journal of Strength and Conditioning Research* 2019 33(3):606-614.
 9. Lee HH, Lee SC, Salado L, White J, Estrada J, Muthukumar V, **Lee SP**, Mohapatra S. Proof-of-Concept Testing of a Real-Time mHealth Measure to Estimate Postural Control During Walking: A Potential Application for Mild Traumatic Brain Injuries. *Asian/Pacific Island Nursing Journal* (special issue on technology and health) 2018 3(4): 177.
 10. **Lee SP**, Shih HT, Gray C, Poggemiller M, Tracy I, Teng HL. Four Weeks of Training with Simple Postural Instructions Changes Trunk Posture and Foot Strike Pattern in Recreational Runners. *Physical Therapy in Sport* 2019 35: 89-96.
 11. Armour Smith J, Hawkins A, Grant-Beuttler M, Grant-Beuttler R, **Lee SP**. Risk Factors Associated with Low Back Pain in Golfers: A Systematic Review and Meta-analysis. *Sports Health* 2018 10(6):538-546, <https://doi.org/10.1177/1941738118795425>).
 12. **Lee SP**, Kimber M, Houk K, Armour Smith, J. Insertion and Presence of Fine-Wire Intramuscular Electrodes in the Lumbar Paraspinal Muscles Do Not Affect Muscle Performance and Activation during High-Exertion Spinal Extension Contractions. *PM&R* 2018 10(11): 1192-1197.
 13. **Lee SP**, Hsu YT, Bair B, Toberman M, Chien LC. Gender and Posture are Significant Risk Factors to Musculoskeletal Symptoms during Touchscreen Tablet Computer Use. *Journal of Physical Therapy Science* 2018 30(6):855-861.
 14. Vo DS, Silvernail JF, Tandy R, **Lee SP**, Dufek JS. Effects of Slope on Backward Locomotion: a Kinematic and Electromyographic Analysis of Backward Walking. *EC Orthopaedics* 2018 9(2):34-41.
 15. **Lee SP**, Bailey J, Armour Smith J, Barton S, Brown D, Joyce T. Adaptations of Lumbar Biomechanics after Four Weeks of Running Training with Minimalist Footwear and Technique Guidance: Implications for Running-related Lower Back Pain. *Physical Therapy in Sport* 2018 (29):101-107.
 16. Turner C, Crow S, Crowther T, Keating B, Saupan T, Pyfer J, Vialpando K, **Lee SP (corresponding author)**. Preventing Non-Contact ACL Injuries in Female Athletes: What Can We Learn from Dancers? *Physical Therapy in Sport* 2018 (31):1-8.
 17. Hickman R, Popescu L, Manzanares R, Morris B, **Lee SP**, Dufek JS. Use of Active Video Gaming in Children with Neuromotor Dysfunction: A Systematic Review. *Developmental Medicine & Child Neurology* 2017 59(9):903-911.
 18. LaComb CO, Tandy RD, **Lee SP**, Young JC, Navalta JW. Oral versus Nasal Breathing during Moderate to High Intensity Submaximal Aerobic Exercise. *International Journal of Kinesiology & Sports Science* 2017 5(1).

19. Ho KY, Epstein R, Garcia R, Riley N, **Lee SP**, Turner C. Effects of Patellofemoral Taping on Patellofemoral Joint Alignment and Contact Area. *Journal of Orthopaedic and Sports Physical Therapy* 2016 47(2):115-123.
20. Ho KY, Standerfer A, Ngo S, Daun K, **Lee SP**. Effects of Fast Walking on Tibiofemoral Bone Water Content in Middle-Aged Adults. *Clinical Biomechanics*, 2016(37):65-69.
21. **Lee SP**, Dufek JS, Hickman R, Schuerman S. Influence of Procedural Factors on the Reliability and Performance of the Timed Up and Go Test in Older Adults. *International Journal of Gerontology*, 2016 10(1):37-42
22. Sutton-Traina K, Armour Smith J, Jarvis D, **Lee SP**, Kulig K. Exploring Active and Passive Contributors to Turnout in Dancers and Non-dancers. *Journal of Medical Problems in Performing Artists* 2015 Jun; 30(2):78-83.
23. Hickman R, Dufek JS, **Lee SP**, Blahovec A, Kuiken A, Riggins H, McClellan J. Feasibility of Using a Large Amplitude Movement Therapy to Improve Ambulatory Function in Children with Cerebral Palsy. *Physiotherapy Theory and Practice*, 2015 31(6):382-389.
24. Kulig K, **Lee SP (corresponding author)**, Reischl S, Noceti-Dewit L. Effect of Tibialis Posterior Tendon Dysfunction on Unipedal Standing Balance Task. *Foot and Ankle International*. 2015 Jan; 36(1):83-89.
25. **Lee SP**, Chow JW, Tillman MD. Persons with Reconstructed ACL Exhibit Altered Knee Mechanics during High-Speed Maneuvers. *International journal of Sports Medicine*. 2014 Jun; 35(6):528-33.
26. **Lee SP** & Powers CM. Individuals with Diminished Hip Abductor Muscle Strength Exhibit Altered Ankle Biomechanics & Neuromuscular Activation during Unipedal Balance Tasks. *Gait & Posture*; 2014; 39(3): 933-938.
27. **Lee SP** & Powers CM. Fatigue of the Hip Abductor Results in Increased Medial-Lateral Center of Pressure Excursion & Neuromuscular Adaptation of Peroneus Longus during a Unipedal Landing Task. *Clinical Biomechanics*; 2013; 28:524-529.
28. **Lee SP** & Powers CM. Description of a Weight Bearing Method to Assess Hip Abductor & External Rotator Muscle Performance. *Journal of Orthopaedic and Sports Physical Therapy*; 2013; 43(6): 392-397.
29. **Lee SP**, Souza RB, Powers CM. The Influence of Hip Abductor Muscle Performance on Dynamic Postural Stability in Females with Patellofemoral Pain. *Gait & Posture*; 2012; 36(3): 425-429.

Complete List of Published Work in Google Scholar Page:

<https://scholar.google.com/citations?hl=en&user=dhySprsAAAAJ>

NCIB My Bibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/szu-ping.lee.1/bibliography/52858488/public/?sort=date&direction=ascending>

- **Refereed Articles in Review**

1. MacDonald GA, Manning JW, Bodell NG, Young JC, Schilling BK, **Lee SP**, Navalta JW. Handgrip Fatigue and Forearm Girth in Intermediate Sport Rock Climbers. *European Journal of Applied Physiology*, submitted November 18th, 2019.
2. Montes J, Tandy R, Young JC, **Lee SP**, Navalta JW. Is Body Composition or Body Mass Index Associated with the Step Count Accuracy of a Wearable Technology Device? *Journal of Physical Activity and Health* (Spring 2019).
3. Singh H, Hockwald A, Drake N, Avedesian J, **Lee SP**, Wulf G. Maximal force production requires OPTIMAL conditions. *Human Movement Science* (submitted March 22nd, 2020).

- **Refereed Articles in Preparation**

1. Shih HT and **Lee SP**. Description and Validation of a Novel Ground Reaction Force-Triggered Treadmill Protocol for Simulation of Tripping Falls.
2. Shih Y, Shih HT, Gregor B, Grabiner M, **Lee SP**. Recovery Response of Lower Limb Amputees on Destabilized Surfaces: A Scoping Review. *Gait & Posture*.

Peer Reviewed Scientific and Professional Presentations

1. Kubo M, Horn L, Gorton J, Ferraro A, Shih HT, Macleod T, **Lee SP**. Physical Therapy After Amputation in Community Dwelling Adults: A Quantitative and Qualitative Interview Study. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Denver, Colorado, USA, 2020.
2. **Lee SP**, Shih HT, Amaya G, Gante R, Meinzer Z, Sadrossadat A. Physical Therapy after Lower Extremity Amputation: Predictors and Outcome Implications. Proceedings of the World Congress of International Society of Prosthetics and Orthotics, Kobe, Japan, 2019.
3. Shih HT, **Lee SP**. Socioeconomic Status Affects Motor Activity Endurance and Fear of Falling Avoidance Behaviour in People with Lower Limb Loss. Proceedings of the Combined International Society of Biomechanics World Congress and American Society of Biomechanics Annual Meeting, Calgary, Canada, 2019.
4. Ciccotelli J, Damele M, Gross R, Robina R, **Lee SP**. Lumbopelvic Muscle Performance and Cross-sectional Area in Individuals with Unilateral Above-the-Knee Amputation: Implications for Low Back Pain. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Washington D.C., USA, 2019.
5. Ho KY, **Lee SP**, Evers M, Kellogg J, Teter K, Chang E, Bashford G. Patellar Tendon Morphology in Trans-Tibial Amputees Utilizing a Prosthesis with a Patellar-Tendon-Bearing Feature. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Washington D.C., USA, 2019.
6. Shih HT & **Lee SP**. Effect of Age and Body Mass Index on Mobility in Middle to Older Age Adults With and Without Lower Limb Amputation. Proceedings of Annual Meeting of American Society of Biomechanics, Rochester, Minnesota, USA, 2018.
7. Lee SC, Lee HH, Muthukumar V, **Lee SP**, Salado L, Estrada J, Danna-dos-Santos A. Estimation of Body Balance in Individuals with Traumatic Brain Injury using Force Plate and Mobile Health Instruments. Proceedings of IEEE International Conference on Biomedical and Health Informatics, Las Vegas, USA, 2018.
8. **Lee SP**, Dinglasan V, Duong A, Totten R, Armour-Smith J. Individuals with Recurrent Low Back Pain Exhibit Reduced Paraspinal Muscle Strength after Intramuscular Fine-wire EMG Electrode Insertion to Lumbar Multifidus. (platform presentation) Proceedings of the America Physical Therapy Association Combined Sections Meeting, New Orleans, USA, 2018.
9. **Lee SP**, Chin TM, Fox HJ, Gutierrez J. Access to Physical Therapy and Socioeconomic Status on Fear of Falling and Mobility Outcomes in Individuals with Lower Limb Loss. Proceedings of the America Physical Therapy Association Combined Sections Meeting, New Orleans, USA, 2018.
10. DiMascio J, Hicks R, Kimber M, Snyder K, Armour-Smith J, **Lee SP**. Insertion and Presence of Intramuscular Fine Wire Electrodes in the Lumbar Paraspinal Muscles Do Not Affect Muscle Performance and Activation during High Exertion Spinal Extension Exercises. Proceedings of the America Physical Therapy Association Combined Sections Meeting, San Antonio, Texas, USA, 2017.
11. Gray C, Poggemiller M, Tracy I, Teng HL, **Lee SP**. Can Simple Postural Instructions Modify Running

- Forms in Recreational Runners? Proceedings of the America Physical Therapy Association Combined Sections Meeting, San Antonio, Texas, USA, 2017.
12. Andrew L, Johnson C, Tortomasi T, **Lee SP**. The Impact of Visual Impairments on Mobility Performance in Community Dwelling Older Adults. Proceedings of the America Physical Therapy Association Combined Sections Meeting, San Antonio, Texas, USA, 2017.
 13. Turner C, **Lee SP**, Crow S, Keating B, Saupan T, Pyfer J, Vialpando K. The Effects of Instruction on Landing Strategies in College-Aged Dancers and Non-Dancers. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016 (platform presentation).
 14. Standerfer A, Ngo S, Daun K, **Lee SP**, Ho KY. Locomotion-induced shock loading and tibiofemoral joint bone stress injury. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016 (platform presentation).
 15. Epstein R, Garcia R, Riley N, **Lee SP**, Turner C, Ho KY. The effects of patellofemoral taping on patellofemoral joint alignment and contact area. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016 (platform presentation).
 16. Sestini L, Wilde R, Jeng CC, **Lee SP**, Schuerman S. Physical Mobility in Older Adults: Influences of Body Composition, Polypharmacy, and Comorbidity. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016.
 17. **Lee SP**, Barton S, Brown D, Joyce T, Bailey J. Four Weeks of Minimalist Style Running Training Led to Reduced Lumbar Paraspinal Muscle Activation during Shod Running. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016.
 18. **Lee SP**, Bair B, Gama M, Toberman M, Hsu YT. Prevalence and Risk Factors for Neck and Shoulder Musculoskeletal Complains in Users of Tablet Computers. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Anaheim, California, USA, 2016.
 19. **Lee SP**, Neumann, E. Optimizing Functions for Individuals with Lower Extremity Amputation: Clinicians' Perspective on Prosthetic Care and Education. Proceedings of the International Society of Prosthetics and Orthotics (invited presentation), Lyon, France, 2015.
 20. **Lee SP**, Hickman R, Dufek J, Schuerman S. Influence of Procedural Factors on the Performance of Timed Up and Go Test in Community-Dwelling Older Adults. Proceedings of the America Physical Therapy Association Combined Sections Meeting, Indianapolis, Indiana, 2015.
 21. Harry J, Hickman R, **Lee SP**, Morris B, Dufek JS. Effects of dual-tasking on spatio-temporal gait parameters in children with cerebral palsy. Proceedings of the 33rd Annual Meeting of the American College of Sports Medicine Southwest Chapter. Costa Mesa, California, 2014.
 22. **Lee SP**, Noceti-Dewit L, Reischl S, Kulig K. Individuals with Posterior Tibial Tendon Dysfunction Exhibit Diminished Ability in Maintaining Postural Stability during a Unipedal Balance Task Proceedings of the America Physical Therapy Association Combined Sections Meeting, Las Vegas, Nevada, USA, 2014 (platform presentation).
 23. **Lee SP**, Contreras D, Denton D, Young J. Application of a Criterion-Based Timed Up-and-Go Test: a Reliability and Validity Study Proceedings of the 2013 Annual Meeting of The Gerontological Society of America, New Orleans, Louisiana, USA, 2013.
 24. **Lee SP** & Powers CM. Individuals with Diminished Hip Abductor Muscle Strength Exhibit Higher Moments & Neuromuscular Activation at the Ankle during Unipedal Balance Tasks. Proceedings of the 2012 Annual Meeting of American Society of Biomechanics, Gainesville, Florida, USA, 2012.
 25. Dorman JC, **Lee SP**, Munce TA, Thompson PA. Does a Dehydrating Bout of Intermittent Exercise Affect Peak Loading Rate during Landing in Adolescent Boys? Proceedings of the American College of Sports Medicine Annual Meeting, San Francisco, California, USA, 2012.
 26. **Lee SP** & Powers CM. Construct Validity and Reliability of a Novel Method to Assess Hip Abductor Muscle Performance. Proceedings of the American Physical Therapy Association Combined

- Sections Meeting, Chicago, Illinois, USA, 2012.
27. **Lee SP** & Powers CM. Association between Functional Hip Abductor Strength and Hip Joint Kinematics and Kinetics During a Dynamic Uni-pedal Drop Landing Task. Proceedings of the 2011 Annual Meeting of American Society of Biomechanics, Long Beach, California, USA, 2011.
 28. **Lee SP** & Powers CM. Prediction of Frontal Plane Hip & Ankle Kinematics during Uni-pedal Stance Using a Dual-Segment, Center of Pressure-Based Postural Model. Proceedings of the 2011 Annual Meeting of American Society of Biomechanics, Long Beach, California, USA, 2011.
 29. Sutton KR, Armour Smith, J, Jarvis DN, Oki KC, **Lee SP**, Kulig K. The Relationship between Long Bone Morphology, Dance History and Turnout: an Exploratory Study. Proceedings of the Annual Meeting of International Association for Dance Medicine and Science, Washington, DC, October 2011.
 30. Dorman JC, **Lee SP**, Calsbeek DJ, Esposito LM, Munce TA, Thompson PA, Powers CM and Bergeron MF F. Postural Stability in Adolescent Boys During Repeated Bouts of Intermittent Exercise in the Heat. Proceedings of 2011 Annual Meeting of American College of Sports Medicine, Denver, Colorado, USA 2011.
 31. Leung K, **Lee SP**, Popovich JM Jr., Reischl SF, Kulig K. A Comprehensive Foot, Ankle, and Hip Intervention for Patients with Posterior Tibial Tendon Dysfunction: A Case Series. Proceedings of the America Physical Therapy Association Combined Sections Meeting, New Orleans, Louisiana, USA, 2011.
 32. Powers CM, Pollard CD, **Lee SP**, Cesar G., Sigward SM. The Influence of Sex and Maturation on Knee Valgus Moments during Cutting: Implications for ACL Injury. Proceedings of the 2010 Annual Meeting of American Society of Biomechanics, Providence, Rhode Island, USA, 2010.
 33. Sigward SM, Pollard C, Cheng WC, **Lee SP**, Powers CM. The Influence of Gender & Maturation on Landing Strategies: Implications for ACL Injury. Proceedings of the 2009 Annual Meeting of American Society of Biomechanics, State College, Pennsylvania, USA, 2009.
 34. **Lee SP** & Powers CM. Does Diminished Hip Muscle Strength Influence Medial-lateral Dynamic Stability in Females with Patellofemoral Pain? Proceedings of the 2009 American Physical Therapy Association Combined Sections Meeting, Las Vegas, Nevada, USA, 2009 (platform presentation).
 35. **Lee SP**, Chow JW, Tillman MD. The Effect of Leg Dominance on Knee Joint Kinetics during Cutting. Proceedings of the 2008 North America Congress on Biomechanics, Ann Arbor, Michigan, USA, 2008.
 36. **Lee SP**, Chow JW, Tillman MD, Bonhomme CA. Knee Kinetics during Cutting Maneuvers and ACL Laxity in Individuals with Unilateral ACL-reconstructed Knee. (Abstract) Medicine and Science in Sports & Exercise, 39(5), 2007.
 37. **Lee SP**, Chow JW, Tillman MD, Bonhomme CA. The Effects of Different Cutting Conditions, Leg Dominance and Measured Anterior Cruciate Ligament Laxity on Knee Joint Kinetics. Proceedings of the 21st Congress of the International Society of Biomechanics, Taipei, Taiwan, 2007.
 38. Chow JW, **Lee SP**, Tillman MD. Transverse Plane Moments and Ranges of Motion of the Lower Extremity during Walking and Turning in Unilateral Total Knee Replacement Individuals. Proceedings of the 21st Congress of the International Society of Biomechanics, Taipei, Taiwan, 2007.

Invited Presentations

- Research Funding Symposium Part 2: Perspectives from Funded Junior PT Researchers. Educational session. American Physical Therapy Association Combined Sections Meeting, Denver, Colorado, USA, February 13th, 2020.
- Implications of Motor Relearning and Outcome Assessment on Rehabilitation after Amputation – Factors Affecting Physical Capacity after Lower Limb Loss (with Jennifer Lucarevic, Sheila Clemens,

Chris Doerger, and Carolee Winstein). Educational session. American Physical Therapy Association Combined Sections Meeting, Washington D.C., USA, January 24th, 2019.

- Evidence-based Physical Therapy – Why Is It Important to You? Department of Physical Therapy and Assistive Technology, National Yang-Ming University (Dec 21, 2017)
- The Art and Science of Physical Therapy – An Ongoing Evolution. Department of Physical Therapy and Assistive Technology, National Yang-Ming University (Dec 20, 2017)
- Evidence-based Physical Therapy – Why Is It Important to You? School and Graduate Institute of Physical Therapy, National Taiwan University (Dec 20, 2017)
- Guest lecturer, United States Bone and Joint Initiative, NFP (USBJI). Topic: “Osteoarthritis and Osteoporosis” (04/17/2013)
- Guest lecturer, City of Las Vegas, Department of Leisure Services, Centennial Hills Active Adult Center. Topic: “Functional Mobility in Older Adults” (09/11/2013)
- Lecturer, Nevada Physical Therapy Association Southern District Meeting. Lecture title: “Influence of Trunk Posture on Running Injuries: An Update of Current Evidence” (4/18/2017)

Intellectual Property

- **Lee, SP.**, Dufek, J.S. and Hickman, R.A. Method and Apparatus for Performing Timed Up-And-Go Test. United States Patent No. 10,335,058 (issued July 02, 2019, expiration Oct, 31, 2035)
- **Lee, SP.**, Dufek, J.S., Hickman, R.A., Morris, B. Clinical Mobility Assessment Application (Invention Disclosure); Submitted, Jul 2017.

Funded/In Review Grant Activity

External

- **Lee SP (Co-PI)**, Snyder J, Lee H. Neurobehavioral Mechanisms of Peer Observation Learning for Improving Motor Functions in Individuals with Lower Limb Amputation. 2020-2021 CTR-IN/Nevada INBRE Developmental Translational Team Grant (DTTG). \$19,974 (in review, submitted March 2020).
- Hu LW, Hsu WL, **Lee SP (Co-I)**. Fear of Falling Avoidance Behavior in Taiwanese Older Adults. Far Eastern Memorial Hospital, Taiwan. \$110,000 (funded, March 2020).
- Clemens SM, **Lee SP (site PI)**, Kershaw K. Examining racial/ethnic disparities in functional outcomes of people with dysvascular lower limb amputation and the effect of socioenvironmental factors. Florida International University – Research Center at Minority Institutions, National Institute on Minority Health and Health Disparity (U54MD012393), \$49,943.38 (funded, February 2020).
- **Lee SP (PI)**. Motor Learning in Individuals with and at Risk of Lower Limb Loss: Implications for Amputee Rehabilitation. Research Scientist Development Award (1K01HD091449-01A1), Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Health, \$654,536 (funded, August 2018-July 2023).
- **Lee SP (PI)**, Hsu YT, Chien LC. Mobility and Patient-Perceived Outcomes of Rehabilitation after Lower Extremity Amputation Surgery. Encompass Health Rehabilitation Research Grant, Encompass Health Corp., \$5,795 (funded, September 2018-December 2020)
- **Lee SP**, Dufek JS, Neumann ES. Prosthetic Assessments of Gait and Mobility in Individuals with Lower Limb Loss. Mountain West Clinical and Translational Research Infrastructure Network (CTR-IN), \$13,505, 2016 (completed).
- **Lee SP**, Contreras D, Denton D. Examination of Test Condition Variables on the Test-Retest Reliability of the Timed Up-and -Go Test in Geriatric Population. Undergraduate Research Opportunity Program, Nevada NIH IDeA Network of Biomedical Research Excellence (Nevada INBRE), \$11,000, 2013 (completed).
- **Lee SP**. The Influence of Hip Muscle Performance on Postural Stability & Ankle Biomechanics:

Implications for Ankle Injury. Dissertation Award, International Society of Biomechanics, \$5,000, 2011-2012 (completed).

Internal

- Bonczyk A, Dimapilis MK, Partridge S, Ruiz S, **Lee SP** (mentor) Attentional Focus During Prosthetic Gait Training: An Observational Study of Clinical Prosthetic Practice in Post-Amputation Rehabilitation. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,405.20.
- Lee H, Lee S, **Lee SP** (Co-I), Bernick C. Premature Cognitive Aging after Multiple Mild Traumatic Brain Injuries Linked to Sensorimotor Performances and Peripheral Epigenetics. Graduate Faculty Top Tier Doctoral Graduate Research Assistantship (TTDGRA) Grant Program, UNLV Graduate College, \$60,000, 2020-2023.
- Shih HT, Anderson J, Fabian CA, Hadley S, Ng CW, **Lee SP** (mentor). Effect of Weight-Shift Training on Fall Recovery Response in People With and Without Lower Limb Loss. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$4590; UNLV Graduate and Professional Student Association, \$342.87, 2019-2021.
- Mitchell C, Repayo K, Tillitt M, Weber C, **Lee SP**. Customized Prosthetic Socket: Does it Provide Autonomy Support and Enhance Outcomes in People with Limb Loss? UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2020.8, 2019-2021.
- Ho KY, Lee D, **Lee SP** (Co-I). Knee Pain, Tendon Degeneration, and Limb-Socket Dynamics in Trans-Tibial Amputees. UNLV Faculty Opportunity Award – Collaborative Interdisciplinary Research Award, UNLV Provost's Office, \$19,999 (funded, July 2018-June 2019).
- **Lee SP**, Amaya G, Gante R, Meinzer Z, Sadrossadat A. Mobility Outcomes and Patient Perception of Outpatient Physical Therapy in Individuals with Lower Extremity Amputation: a Retrospective Study. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,820, 2017-2019.
- **Lee SP**, Ciccotelli J, Damele M, Gooder J, Gross R, Robina R. Lumbopelvic Muscle Performance and Cross-sectional Area in Individuals with Unilateral Transfemoral Amputation: Implications for Lower Back Pain. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,370, 2017-2019.
- Ho KY, **Lee SP**, Evers M, Kellogg J, McQueary K. Patellar Tendon Morphology in Transtibial Amputees Utilizing a Patellar-Tendon-Bearing Prosthesis. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$580, 2017-2019.
- **Lee SP**, Chin T, Fox H, Gutierrez J. Mobility Functions in Individuals with Lower Limb Loss. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,505, 2016-2018.
- **Lee SP**, Puentedura E, Dinglasan V, Duong A, Totten R. Influence of Intramuscular Electromyographic Electrode Insertion on Lower Back Muscle Performance and Activation in Individuals with Chronic Low Back Pain. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,631.5, 2016-2018.
- Ho KH, **Lee SP** (Co-I), McClaren J, Sudweeks S. Acute Effects of Walking on the Deformation of Femoral Articular Cartilage of the Knee, UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2,125, 2015-2017.
- **Lee SP**, Schuerman S, Andrew L, Johnson C, Tortomasi T. The Impact of Visual Impairments on Mobility in Older Adults. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$935, 2015-2017.
- **Lee SP**, Wulf G, Teng HL, Gray C, Poggemiller M, Tracy I. Effects of internal vs. external attentional focus instructions on running form re-education. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2,600, 2015-2017.
- **Lee SP**, Puentedura E, Dimascio J, Hicks R, Kimber M, Snyder K. Effects of Intramuscular EMG Insertion to Deep Paraspinal Muscles on Lumbar Muscular Strength and Endurance Performance. UNLV

Department of Physical Therapy Student Research Opportunity Grant, \$1,452, 2015-2017.

- Hickman R, **Lee SP** (Co-I), Morris B, Dufek K, Popescu, Manzanares R. Use of Active Video Gaming in Children with Neurologically-based Movement Dysfunction. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,100, 2015-2017.
- **Lee SP**, Wulf G, Teng HL, Billington E, Devries S, Scoggin K. Effects of internal vs. external attentional focus instructions on running form re-education. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2,000, 2014-2016.
- **Lee SP**, Gillis C, Ibarra J, Oldroyd D, Zane R. The effects of a raised heel posture on lower extremity biomechanics & muscle activation during a barbell back squat. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$4,006, 2014-2016.
- **Lee SP**, Jeng CC, Sestini L, Wilde R, Establishing a functional mobility performance database for older adults in Southern Nevada. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2,403, 2014-2016.
- Ho KY, **Lee SP** (Co-I), Turner CL, Madsen SJ, The effects of patellofemoral taping on patellofemoral joint alignment and contact area. Faculty Opportunity Award, University of Nevada, Las Vegas, \$20,098, 2014-2016.
- Ho KY, **Lee SP** (Co-I), Ma B, Schuerman S., Daun K., Ngo S., Standerfer A. The effects of locomotion-induced shock loading on tibiofemoral bone stress injury, UNLV Department of Physical Therapy Student Research Opportunity Grant, \$4,200, 2014-2016.
- Dufek J, Hickman R, **Lee SP**, Morris B. Large Amplitude Movements (LAMs) for Children with Cerebral Palsy: Dose Response and Clinical Effectiveness. Doctoral Graduate Research Assistantship, University of Nevada, Las Vegas, \$25,000, 2014-2016.
- **Lee SP**, Dufek J, Mercer J. Influence of Foot Strike Pattern on Lower Back Muscle Activation during Running: Clinical Implications for Preventing Lower Back Pain in Runners. Faculty Opportunity Award, University of Nevada, Las Vegas, \$24,268, 2013-2015.
- **Lee SP**, Joyce T, Brown D, Barton S. Influence of Foot Strike Pattern on Lower Back Muscle Activation during Running: Clinical Implications for Preventing Lower Back Pain in Runners. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$3,210, 2013-2015.
- **Lee SP**, Hsu Y, Bair B, Gama M, Matteucci M. Musculoskeletal Symptoms of Neck and Shoulder in Users of Touch-screen Devices: A Survey Study. UNLV Department of Physical Therapy Student Research Opportunity Grant, \$2,500, 2013-2015.
- Turner C., **Lee SP** (Co-PI), Keating B., Pyfer J., Vialpando K. The Effects of Training on Landing Strategies in Female College-Aged Dancers: A Pilot Study, UNLV Department of Physical Therapy Student Research Opportunity Grant, \$1,124, 2013-2015
- Hickman, R., Dufek, J.S. and **Lee SP** (Co-I). UNLV Kids Research Outreach to Community Clinicians (UNLV KidsROCC). School of Allied Health Sciences, University of Nevada, Las Vegas, \$2,554, 2012-2013.

Previous Grant Submissions

External

- Shih Y, Aguila E, **Lee SP**. Efficacy of Treadmill-based Perturbation Training on Fall Prevention: a Systematic Review. Veterans Administration Southern Nevada Healthcare System Research and Development Pilot Study Grant, \$10,000 (not funded, February 2020).
- **Lee SP**, Clemens SM, Aguila E. Examining racial/ethnic disparities in functional outcomes of people with dysvascular lower limb amputation and the effect of socioenvironmental factors. Veterans Administration Southern Nevada Healthcare System Research and Development Pilot Study Grant, \$10,000 (not funded, February 2020).
- Lee H, **Lee SP** (Co-I). Predicting Persistent Impairments Following Mild Traumatic Brain Injury using the

Longitudinal and Integrative Biobehavioral Assessment. Center of Biomedical Research Excellence, Nevada Institute of Personalized Medicine, \$75,000 (2019, not funded).

- Hsu YW and **Lee SP** (Co-I). Acculturation, Perceived Obesogenic Environment, and Obesity-related Behaviors among Adult Immigrants in Nevada: A Moderated Mediation Approach” Mountain West Clinical Translational Research Infrastructure Network (2019, not funded)
- Lee H, Muthukumar V, **Lee SP** (collaborator), Mohapatra S. Detecting Persistent Impairments Following Traumatic Brain Injury: Oculomotor and Balance Functions. UNLV Faculty Opportunity Award – Collaborative Interdisciplinary Research Award, UNLV Provost’s Office, \$20,000 (Submitted March 2018, not funded).
- Ho KY, **Lee SP** (Co-PI), Dufek J. Knee Pain and Patellar Tendon Degeneration in Trans-Tibial Amputees. Department of Defense Orthotics and Prosthetics Outcomes Research Award, Department of the Army, \$495,332 (pre-application submitted and invited, Oct 2017; full application submitted Jan 2018; unfunded).
- Mohamed (PI), **Lee SP** (a member of faculty mentor team). Integrating Engineering, Biomechanics, and Medicine for Stimulating the Participation of Underrepresented Groups in Research-Intensive Healthcare Careers. Research Experience for Undergraduates (REU). National Science Foundation (submitted Summer, 2017; resubmitted Summer, 2018).
- Ho KY, **Lee SP** (Co-I) Influence of Patellofemoral Joint Loading on Patella Water Content in Female NCAA Basketball Players. Bone Stress Injury Call for Proposal, NBA & GE Healthcare Orthopedics and Sports Medicine Collaboration, \$298,609, unfunded, 2017.
- **Lee SP** (PI) Mobility Outcomes and Patient Perception of the Benefits of Physical Therapy in Individuals with Limb Loss: a Retrospective Study. HealthSouth Corporation Research Grant, \$5,995, (unfunded), 2017.
- **Lee SP**, Silvernail J, Aguila E, Dufek J, Neumann E, Shan, G. Clinical Utility of Augmented Feedback Technologies for Improving Gait Symmetry and Mobility in Individuals with Unilateral Lower Limb Loss. Department of Defense Orthotics and Prosthetics Outcomes Research Award, Department of the Army, \$298,096 (unfunded), 2016.
- **Lee SP**. Motor Learning in Individuals With and At Risk of Lower Limb Loss: Implications for Amputee Rehabilitation. K01 Career Development Award, National Center for Medical Rehabilitation Research, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Health, \$627,002 (unfunded, 2016; re-submitted Jul, 2017).
- Dufek JS, Neumann ES, **Lee SP**, Silvernail JA. Use of Direct Prosthetic Measurement to Improve and Enhance Physical Function. Orthotics and Prosthetics Outcomes Research Award, Department of Defense, \$499,778 (unfunded), 2015.
- Ho KY, **Lee SP**. Locomotion-Induced Shock Loading and Tibiofemoral Joint Bone Stress Injury. Arthritis Foundation, \$573,350 (unfunded), 2015
- Dufek, JS, Neumann ES, **Lee SP**, Silvernail JA. Optimizing Functional Outcomes for Individuals with Amputation: Direct Prosthetic Measurement in Comparison to Inverse Dynamics Analyses of Limb Loading. Orthotics and Prosthetics Outcomes Research Award, Department of Defense, \$499,778 (unfunded), 2014.
- Wulf G, Lee SP. Effectiveness of Attentional Focus Instruction on Running Form Re-education. Clinical and Translational Research Infrastructure Network Pilot Grant Program, \$9,660 (unfunded), 2014
- Ho KY, **Lee SP**, Ma B, Schuerman S. Effects of Locomotion-Induced Shock Loading on Tibiofemoral Bone Stress Injury. Clinical and Translational Research Infrastructure Network Pilot Grant Program, NIH Mountain West IDeA , \$81,630 (unfunded), 2014

Current/Active Research Activity

- **Prosthetic Assessments of Gait and Mobility in Individuals with Lower Limb Loss.**
Principal Investigator
- **Lower Back Pain in Individuals with Lower Limb Loss**
Principal Investigator
- **Use of Intramuscular Electromyography to Detect Deep Lumbar Paraspinal Muscle Activities.**
Principal Investigator
- **Effects of Attentional Focus on Learning of Locomotor Skills.**
Principal Investigator
- **Establishing an Older Adult Functional Mobility Performance Database and Data Sharing Technology**
Principal Investigator

Membership in Scientific/Professional Organizations

- American Physical Therapy Association (2008-present)
- American Society of Biomechanics (2006-present)
- International Society of Biomechanics (2007-present)
- UNLV Center for Biobehavioral Interdisciplinary Science (2017-2018)

Consultative and Advisory Positions

- Reviewer, *Journal of Orthopedic and Sports Physical Therapy* (2013-present)
- Reviewer, *Journal of Applied Physiology* (2014-present)
- Reviewer, *Foot & Ankle Research* (2014-present)
- Reviewer, *Physical Therapy in Sport* (2014-present)
- Reviewer, *Clinical Biomechanics* (2015-present)
- Reviewer, *Prosthetics & Orthotics International* (2015-present)
- Senior reviewer, *Physical Therapy* (2015-present)
- Reviewer, *Sports Biomechanics* (2016-present)
- Reviewer, *Journal of Applied Biomechanics* (2016-present)
- Reviewer, *Physiotherapy Theory and Practice* (2016-present)
- Reviewer, Archives of Physical Medicine and Rehabilitation (2017-present)
- Reviewer, Gait & Posture (2018-present)
- Reviewer, Plos One (2018-present)
- Scientific Reviewer, Restoring Warfighters with Neuromusculoskeletal Injuries Research Award (RESTORE); Congressionally Directed Medical Research Programs - Defense Medical Research and Development Program CDMRP-DMRDP (2020)

Services to the University/School/Department on Committees/Councils/Commissions

- Department of Physical Therapy
 - Chair, Bylaws Committee (01/01/2018- 08/31/2019)
 - Member, Faculty Search Committee (02/01/2017- current)
 - Member, Academic Review Committee (08/01/2013- 12/31/2017)
 - Member, Bylaws Committee (08/01/2013- 2016)
 - Member, PhD program Committee (08/01/2013- current)
 - Chair, Research Committee (01/01/2013- current)
 - Member, Admissions Committee (01/01/2013- 05/31/2013)
 - Member, Website Committee (01/01/2013- 05/31/2013)
 - Member, Faculty Search Committee (01/01/2013- 07/31/2013)

- School of Allied Health Sciences
 - Member, Faculty Review Committee (09/01/2019-current)
 - Member, Undergraduate/Graduate Curriculum Committee (09/01/2015-8/31/2019)
 - Member, Academic Standards Committee (09/01/2013-09/01/2015)
 - Member, Research Boot Camp organizing committee (03/01/2013)
- School of Nursing
 - Member, Search Committee (06/01/2019-08/31/2019)
 - Grant Reviewer (01/01/2019-04/30/2019)
- University of Nevada, Las Vegas
 - Strategic diversity point of contact (School of Allied Health Sciences), President's Diversity Initiative (03/06/2015-current)
 - Faculty senator (08/31/2017-09/01/2019)
 - Senior faculty senator (09/01/2019-current)

Continuing Education Attended

- Conferences
 - American Physical Therapy Association Combined Sections Meeting
 - Chicago, Illinois, 2012
 - San Diego, California, 2013
 - Las Vegas, Nevada, 2014
 - Indianapolis, Indiana, 2015
 - Anaheim, California, 2016
 - San Antonio, Texas, 2017
 - New Orleans, Louisiana, 2018
 - Washington DC, 2019
 - Denver, Colorado, 2020
 - American Society of Biomechanics Annual Meeting
 - Gainesville (University of Florida), Florida, 2012
 - Omaha (University of Nebraska), Nebraska, 2013
 - Boston, Massachusetts, 2014 (World Congress of Biomechanics)
 - Boulder (University of Colorado), Colorado, 2017
 - Rochester (Mayo Clinic), Minnesota, 2018
 - Calgary, Alberta, Canada, 2019 (Combined ISB/ASB meeting)
 - Gerontological Society of America Annual Scientific Meeting
 - New Orleans, Louisiana, 2013
 - International Society of Prosthetics and Orthotics World Congress
 - Lyon, France, 2015
 - Kobe, Japan, 2019
 - American Orthotic Prosthetic Association's National Assembly
 - Las Vegas, Nevada, 2014
- Workshop
 - Training in Grantsmanship for Rehabilitation Research (TIGRR)
 - Charleston, South Carolina, January 13-17, 2015
 - UNLV Faculty Institute – Creative Research Assignments: Looking Beyond the Research Paper
 - UNLV Lied Library, January 8-9, 2018
 - International Society of Prosthetics and Orthotics World Congress
 - Kobe, Japan, Oct 5-8, 2019
 - Advanced Instructional Courses attended

- The collaboration of Prosthetic Design, Fitting, and Training to Maximize Athletic Performance (Robert Gailey)
- Promoting Life-like Movement Strategies (Robert Gailey)
- Mobile Technologies, Evidence-based Healthcare and Your Clinical Practice: Demonstrating the Value of Prosthetic Care (Robert Gailey)
- Structured Training for Adult Users of Hand Prosthesis – Introduction to SIRS-Adult for Patients with any Type of Prosthetic Hand (Liselotte Hermansson)
- Symposiums attended
 - Stepping Forward: Focusing on Research with the Older Prosthesis User (Matthew Major)
 - Enhancing Patient Specific Outcomes by Improving Amputation Level Decision Making in Patients with Peripheral Artery Disease and/or Diabetes (Joseph Czerniecki)
- Workshop
 - Gain Mobility after Amputation: New Approaches in Prosthetic Lower Limb Rehabilitation (Ottobock)

Current Teaching Responsibilities in the UNLV Doctor of Physical Therapy program

- Fall:
- Spring:
 - DPT 750 (2 credits) Prosthetics and Orthotics
 - DPT 750L (1 credit) Prosthetics and Orthotics Laboratory
- Summer:
 - DPT 752 (2 credits) Physical Agents and Electrophysiology
 - DPT 752L (1 credit) Physical Agents and Electrophysiology Laboratory

Current Teaching Responsibilities in the UNLV Interdisciplinary Health Science PhD program

- PTS 712 (3 credits) Physiological Bases of Rehabilitation
- HSC 710 (1 credit) Interdisciplinary Health Science Seminar

Graduate & Undergraduate Students Supervised

- **Post-doctoral Scholars**
 - Yo Shih (current)
- **PhD Students, Committee Chair**
 - Jay Ciccotelli (current) Interdisciplinary Health Science – Rehabilitation Science
 - Hui-Ting Shih (current) Interdisciplinary Health Science – Rehabilitation Science
 - Lauren Dickey (current) Interdisciplinary Health Science – Rehabilitation Science
- **PhD Students, Committee Member**
 - Justin Brink (current) Engineering – Mechanical Engineering
 - Jeff Montes Kinesiology – Exercise Physiology, 2019
 - Lee-Kuan Chua Kinesiology – Motor Control and Learning, 2019
 - Mathew Sunil Varre (current) Interdisciplinary Health Science
 - Michelle Samuel (current) Interdisciplinary Health Science
- **Doctor of Physical Therapy Students, Professional Career and Academic Advisor**
 - Class of 2014: Molly Newman, Beren Shah, Jordan Sinclair, Elizabeth Willison
 - Class of 2015: Kevin Carr, Shaylyn Kennedy, Erin Oelklaus
 - Class of 2016: Abbay Dow, Ethan Konshuk, Kenshin Scoggin, Erwin Ventura
 - Class of 2017: James Dimascio, Aliitasi Kelemete, Matthew Poggemiller, Ian Tracy

- Class of 2018: Brooke Conway, Heather Fox, Arnold Huang, Alejandro Preciado
- Class of 2019: Melissa Damele, Kylie Henry, Zachary Meinzer, Zachary Shaver
- Class of 2020: Joshua Cooper, Jordon Jacklin, Caitlin Moreland, Rebecca Templeton, Rachel Wood
- Class of 2021: Laura Nguyen, Tyler Parvin, Ryan Pauly, Vu Pham, Michelle Lee Regis
- Class of 2022: Robert Lum, Austin Madriaga, Andrew Martinez, Kara Meske
- **Doctor of Physical Therapy Students, Research Mentor**
 - Class of 2014: Erin Harrison Jarrett, Beren Shah, Alanna Stockford (co-mentor).
 - Class of 2015: Betina Bair, Mariana Gama, Marissa Matteucci; Stephanie Barton, David Brown, Talia Joyce; Brittany Keating, Jason Pyfer, Kimberly Vialpando (co-mentor).
 - Class of 2016: Elizabeth Billington, Scott Devries, Kenshin Scoggin; Kevin Jeng, Linna Sestini, Rachel Wilde; Javier Ibarra, Derek Oldroyd, Ryan Zane; Kasha Farley, Paul Goodrich, Daniel Johnson (co-mentor); Sarah Crow, Tom Crowther, Trenton Saupan (co-mentor); Ryan Epstein, Ron Garcia, Nicole Riley (co-mentor); Karen Daun, Suzenna Ngo, Alexa Standerfer (co-mentor).
 - Class of 2017: James DiMascio, Rebeka Hicks, Kelsey Snyder, Matthew Kimber; Lauren Andrew, Christian Johnson, Talia Tortomasi; Casey Gray, Mattew Poggemiller, Ian Tracy; Robert Manzanares, Lisa Popsecu (co-mentor).
 - Class of 2018 : Anthony Duong, Vincent Dinglasan, Russell Totten; Heather Fox, Tyler Chin, Juan Gutierrez; Arnold Huang, Ali Ross, Kelsey Taelour, Geneva Winters (co-mentor).
 - Class of 2019 : Greg Amaya, Rosman Gante, Zachary Meinzer, Abbas Sadrossadat; Melissa Damele, Justin Gooder, Rachel Gross, Ron Robina; Michelle Evers, Jessica Kellogg, Kelly McQueary (co-mentor).
 - Class of 2020: Michaela Kubo, Jennifer Gorton, Lindsey Horn, Amanda Ferraro; Samantha Leonard, Elizabeth Trujillo, Stephen Hill (co-mentor).
 - Class of 2021: Cailin Mitchell, Kenneth Repayo, Mattew Tillitt, Collin Weber; Cheuk Wing “Denise” Ng, Samuel Hadley, James Anderson, Catrina Anne Fabian (co-mentor)
- **Graduate Assistant Advisor**
 - 2013: Tyler Peck
 - 2013-2014: James Bokinskie
 - 2014-2015: Ron Garcia
 - 2015-2016: Christian Johnson
 - 2016-current: Hui-Ting Shih
- **Master’s Degree Student, Committee Member**
 - Erik Hanson (2013) Kinesiology - Athletic Training
 - Josh Bailey (2014) Kinesiology – Biomechanics
 - Erik Oskarson (2014) Kinesiology – Exercise Physiology
 - Chase Lacombe (2015) Kinesiology – Exercise Physiology
 - Jeff Montes (2015) Kinesiology – Exercise Physiology
 - Austin Coupe (2015) Kinesiology – Biomechanics
 - Kyle Meffered (2015) Kinesiology – Biomechanics
 - Song Vo (2016) Kinesiology – Biomechanics
 - Andrea Woita (2017) Kinesiology - Nutrition Science
 - Grace MacDonald (2018) Kinesiology – Exercise Physiology
 - Kyle Larimer (2018) Kinesiology – Athletic Training (professional paper)
 - Enea Rrokja (2018) Health Physics
 - Mahmoud Yaqoub (2018) Health Physics
 - Ryan Sharp (2018) Health Physics
 - Jon-Paolo D’Este (2018) Kinesiology – Athletic Training (professional paper)
 - Cierra Ugale (2019) Kinesiology – Exercise Physiology

- Arthur Hockwald (2019) Kinesiology – Motor Control/Learning
- Collin Guillotte (current) Kinesiology (professional paper “Far Forward Blood and Donor Performance”)
- Jacquelyn Sertic (current) Kinesiology – Motor Control/Learning
- Ethan Snyder (current) Mechanical Engineering
- Hailey Pabst (current) Kinesiology – Motor Control/Learning
- Maijah Williams (current) Kinesiology – Athletic Training (professional paper)
- Gabriela Guzman Ramirez (current) Kinesiology
- **Undergraduate and Exchange Student Advisor**
 - 2013 Diana Contreras and Delani Denton; Examination of Test Condition Variables on the Test-Retest Reliability of the Timed Up-and -Go Test in Geriatric Population.
 - 2014 Gregory Wingert, Daniel Dinev, and Vladislav Zhitny; Business plan: Dynamend Corporation; 3rd place in the undergraduate level of the 2014 Donald W. Reynolds Governor’s Cup Business Plan Competition.
 - 2015 Kyle Kastrup; Academic Exchange Program, College of Engineering, University of Cincinnati
 - 2015 Leonardo Coneglian; Brazil Scientific Mobility Program
 - 2016 Hikari Nagata; International Exchange Program, Department of Rehabilitation, Hiroshima International University
 - 2017 Akino Aoki; International Exchange Program, Department of Rehabilitation, Hiroshima International University
 -