Jing Nong Liang, PT, PhD

Department of Physical Therapy, University of Nevada, Las Vegas 4505 Maryland Parkway, Box 453029, Las Vegas, Nevada 89154 702-895-4936, jingnong.liang@unlv.edu



Education

Postdoc	Medical University of South Carolina (MUSC) - Charleston, SC	2014-2015	Stroke Neuroplasticity and Rehabilitation
PhD	Northwestern University – Chicago, IL	2008-2014	Neuroscience
MS	Chang Gung University – Taiwan	2005-2007	Rehabilitation Science
BS	Chang Gung University – Taiwan	2000-2004	Physical Therapy

Employment

Jul 2022 – Present	Associate Professor (Tenured) – Department of Physical Therapy, School of Integrated Health Sciences, University of Nevada, Las Vegas.
Jan 2016 – Jun 2022	Assistant Professor (Tenure-track) – Department of Physical Therapy, School of Integrated Health Sciences, University of Nevada, Las Vegas.
Nov 2017 – Jun 2022	Assistant Professor (Adjunct) – School of Medicine, University of Nevada, Las Vegas.
Jan 2016 – Dec 2018	Assistant Professor (Adjunct) – College of Health Professions, Department of Health Professions, Physical Therapy Division, Medical University of South Carolina (MUSC).
Aug 2014 – Dec 2015	Postdoctoral Scholar – College of Health Professions, Medical University of South Carolina (MUSC).
Sept 2008 – Dec 2010	Graduate Research Assistant – Department of Physical Therapy and Human Movement Sciences, Feinberg School of Medicine, Northwestern University.
2007 – 2008	Graduate Research Assistant/Teaching Assistant – Graduate Institute of Rehabilitation Sciences, Chang Gung University, Taiwan.
2005 – 2008	Physical Therapist (per diem) – Chang Gung Memorial Hospital, Taiwan.
2004 – 2005	Teaching Assistant/Program Coordinator – Department of Physical Therapy and Graduate Institute of Rehabilitation Sciences, Chang Gung University, Taiwan.

Peer Reviewed Publications (*Corresponding author)

- 1. Ho KY, Carpio M, Donohue J, Kissman J, <u>Liang JN</u>*. Comparison of gluteal muscle central activation in individuals with and without patellofemoral pain. *Frontiers in Physiology. 2025.* 16:1535141.
- 2. <u>Liang JN</u>, Bashford G, Kulig K, Ho K-Y. Achilles tendon morphology adaptations in chronic post-stroke hemiparesis: a comparative analysis with neurologically intact controls. *Frontiers in Sports and Active Living. 2025. 6:1498333*.

- 3. Ho KY, Wallace C, Aquino J, Broadwell B, Whimple M, <u>Liang JN</u>*. Exploring the use of bimodal transcranial direct current stimulation to enhance movement in individuals with patellofemoral pain—A sham-controlled double blinded pilot study. *Frontiers in Human Neuroscience*. 2024. 18:1427091.
- 4. Charalambous CC, Bowden MG, <u>Liang JN</u>, Kautz SA, Hadjipapas A. Alpha and beta/low-gamma frequency bands may have distinct neural origin and function during post-stroke walking. *Experimental Brain Research*. 2024. 242(10):2309-2327.
- 5. Yen YL, Ye SK, <u>Liang JN</u>, Lee YJ. Recognition of walking directional intention employed ground reaction forces and center of pressure during gait initiation. *Gait & Posture*. 2023. 106:23-27.
- 6. Ho KY[§], <u>Liang JN</u>[§], Budge S, Madriaga A, Meske K, Nguyenton D. Brain and spinal cord adaptations associated with patellofemoral pain: A systematic review and meta-analysis. *Frontiers in Integrative Neuroscience*. 2022, 16:791719.

 § Co-first author
- 7. <u>Liang JN</u>, Budge S, Madriaga A, Meske K, Nguyenton D, Ho KY. Neurophysiological changes of brain and spinal cord in individuals with patellofemoral pain: a systematic review and meta-analysis protocol. *BMJ Open. 2021, 11:e049882.*
- 8. Ubalde L, <u>Liang JN</u>*. Neurophysiological assessments of brain and spinal cord associated with lower limb functions in children with cerebral palsy: protocol for systematic review and meta-analysis. *Brain Sciences. 2021, 11(5): 628.*
- 9. Lee YJ, Lin PC, Chen LY, Chen YJ, <u>Liang JN</u>. Utilization of Inertial Measurement Units for determining sequential chain in baseball strike posture. *Sensors. 2021, 21(9), 3280*.
- 10. <u>Liang JN</u>*, Ho KY, Lee YJ, Ackley C, Aki K, Arias J, Trinh J. Slow walking in individuals with chronic post-stroke hemiparesis: speed mediated effects of gait kinetics and ankle kinematics. *Brain Sciences*. 2021, 11(3):365.
- 11. <u>Liang JN</u>*, Ho KY, Hung V, Reilly A, Wood R, Yuskov N, Lee YJ. Effects of augmented somatosensory input using vibratory insoles to improve walking in individuals with chronic post-stroke hemiparesis. *Gait and Posture. 2021, 86, 77-82*.
- 12. <u>Liang JN</u>*, Ubalde L, Jacklin J, Hobson P, Wright-Avila S, Lee YJ. Immediate effects of anodal transcranial direct current stimulation on postural stability using computerized dynamic posturography in people with chronic post-stroke hemiparesis. *Frontiers in Human Neuroscience*. 2020, 14:341.
- 13. Lee YJ, Chen CH, Wu CC, Chen YJ, <u>Liang JN</u>. Sound Effects on Standing Postural Strategies in the Elderly via Frequency Analysis Approach. *Applied Sciences*. 2020;10(16):5539.
- 14. <u>Liang JN</u>*, Ho KY. Altered Achilles tendon morphology in individuals with chronic post-stroke hemiparesis: a case report. *BMC Medical Imaging. 2020, 20(34)*.
- 15. Lee YJ, <u>Liang JN</u>*. Characterizing intersection variability of butterfly diagram in post-stroke gait using Kernel Density Estimation. *Gait and Posture. 2020, 76:157-161*.
- 16. Ho KY, <u>Liang JN</u>. Calcium Pyrophosphate Deposition Disease in the Achilles Tendon. *Journal of the Belgian Society of Radiology. 2019, 103(1):79.*
- 17. Lee YJ, <u>Liang JN</u>, Chen B, Aruin A. Characteristics of medial-lateral postural control while exposed to the external perturbation in step initiation. *Scientific Reports*, 2019, 9:16817.

- 18. Lee YJ, <u>Liang JN</u>, Wen YT. Characteristics of Postural Muscle Activity in Response to a Motor-Motor Task in Elderly. *Applied Sciences*. 2019, 9(20), 4319.
- 19. <u>Liang JN</u>*, Lee YJ, Akoopie E, Kleven BC, Koch T, Ho KY. Impaired H-reflex adaptations following slope walking in individuals with post-stroke hemiparesis. *Frontiers in Physiology. 2019, 10:1232*.
- 20. Ho KY, Liang JN. Asymmetric Crying Facies Syndrome. The Journal of Pediatrics. 2019; 212:235.
- 21. Charalambous CC, <u>Liang JN</u>, Kautz SA, George MS, Bowden MG. Bilateral Assessment of the Corticospinal Pathways of the Ankle Muscles Using Navigated Transcranial Magnetic Stimulation. *Journal of Visualized Experiments. 2019, (144), e58944*.
- 22. Lee YJ, Chen B, <u>Liang JN</u>, Aruin AS. Control of vertical posture while standing on a sliding board an pushing an object. *Experimental Brain Research*. 2018, 236(3):721-731.
- 23. Lee YJ, <u>Liang JN</u>, Chen B, Ganesan M, Aruin AS. Standing on wedges modifies side-specific postural control in the presence of lateral external perturbations. *Journal of Electromyography and Kinesiology*. 2017, 36:16-24.
- 24. <u>Liang JN</u>*, Brown DA. Impaired H-Reflex gain during postural loaded locomotion in individuals post-stroke. *PLoS ONE*, 2015, 10(12): e0144007.
- 25. <u>Liang JN</u>*, Brown DA. Foot force direction control during a pedaling task in individuals post-stroke. *Journal of NeuroEngineering and Rehabilitation, 2014, 11:63*.
- 26. <u>Liang JN</u>*, Brown DA. Impaired foot-force direction regulation during postural loaded locomotion in individuals post-stroke. *Journal of Neurophysiology*, 2013 Jul; 110(2): 378-86.
- 27. Chang Y[§], <u>Liang JN</u>[§], Hsu M., Lien H., Fang C., Lin C. Effects of continuous passive motion on reversing the adapted spinal circuit in humans with chronic spinal cord injury. *Archives of Physical Medicine and Rehabilitation, 2013; 94:822-8.*§ Co-first author

Complete list of published work in my Google Scholar page

NCIB My Bibliography

Peer Reviewed Book Chapter

 Lee YJ, Chen B, <u>Liang JN</u>, Aruin AS. Pushing Induced Sliding Perturbation Affects Postural Responses to Maintain Balance Standing. In: Bagnara S., Tartaglia R., Albolino S., Alexander T., Fujita Y. (eds) Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018). Pp 717-724. IEA 2018. Advances in Intelligent Systems and Computing, vol 819. Springer, Cham

Peer Reviewed Scientific and Professional Presentations

- 1. Casillas D, Ruiz L, Ho KY, <u>Liang JN</u>. Altering somatosensory input via different footwear to improve walking post-stroke. 2025 APTA Combined Sections Meeting (CSM), Houston TX.
- 2. Donohue J, Carpio M, Kissman J, <u>Liang JN</u>, Ho KY. Comparisons of central activation of gluteal muscles between individuals with and without patellofemoral pain. 2025 APTA Combined Sections

- Meeting (CSM), Houston TX.
- 3. Ho KY, Wallace C, Aquino J, Broadwell B, Whimple M, <u>Liang JN</u>. Enhancing movement in patellofemoral pain with transcranial direct current stimulation: feasibility exploration. 2025 APTA Combined Sections Meeting (CSM), Houston TX.
- 4. Seekins M, Diez T, Mendez J, Contreras M, Bashford G, Ho KY, <u>Liang JN</u>. Characterizing adaptations in spinal Ia afferent loop excitability and Achilles tendon morphology after stroke. 2024 APTA Combined Sections Meeting (CSM), Boston MA.
- 5. Seekins M, Diez T, Mendez J, Contreras M, Bashford G, Ho KY, <u>Liang JN</u>. Morphological changes in the Achilles tendon in individuals chronically post-stroke. 2024 APTA Combined Sections Meeting (CSM), Boston MA.
- 6. Galvez JL, Nguyen LTM, Yee B, <u>Liang JN</u>. Effects of postural loads on H-reflex pathway modulation in individuals post-stroke. 2023 APTA Combined Sections Meeting (CSM), San Diego, CA.
- 7. <u>Liang JN</u>, Thompson AK. Short-latency spinal reciprocal inhibition in individuals with post-stroke hemiparesis. 2023 American Society of Neurorehabilitation (ASNR), Charleston SC.
- 8. Charalambous CC, Bowden MG, <u>Liang JN</u>, Kautz SA, Hadjipapas A. Investigating the intermuscular coherences of the ankle plantarflexors during treadmill walking in individuals post-stroke. 2022 Society for Neuroscience (SfN), San Diego, CA.
- 9. <u>Liang JN</u>, Thompson AK. Short-latency spinal reciprocal inhibition in individuals with post-stroke hemiparesis. 2022 Society for Neuroscience (SfN), San Diego, CA.
- Wolkenhauer B., Cabrera R, Gan JP, Laudermilch L, <u>Liang JN</u>. Effects of bimodal transcranial direct current stimulation on impaired H-reflex adaptations following slope walking post-stroke. 2021 APTA Combined Sections Meeting (CSM), Online.
- 11. Simon A, Arches J, Keohane M, Lee WJ, Ho KY, <u>Liang JN</u>. Altering somatosensory input via different footwear to improve walking in people with chronic post-stroke hemiparesis. 2021 APTA Combined Sections Meeting (CSM), Online.
- 12. Schomig J, Lyons S, Henry K, Drobitch N, <u>Liang JN</u>. Modulation of cortical excitability using cathodal transcranial direct current stimulation to improve walking in individuals with chronic post-stroke hemiparesis. 2019 APTA Combined Sections Meeting (CSM), Washington DC.
- 13. Lee YJ, <u>Liang JN</u>, Chen B, Aruin A. External-lateral perturabtions affect the center of pressure displacement in the medial-lateral direction prior to step initiation. 2019 ISB/ASB, Calgary.
- 14. Akoopie E, Conway B, Koch T, Lee YJ, <u>Liang JN</u>. Soleus H-reflex adaptations following upslope and downslope walking in individuals post-stroke. 2018 APTA Combined Sections Meeting (CSM) New Orleans, LA.
- 15. Conway B, Akoopie E, Koch T, Lee YJ, <u>Liang JN</u>. Neuromuscular adaptations following acute bout of slope walking in individuals post-stroke. 2017 Society for Neuroscience (SfN), Washington DC.
- 16. Koch T, Akoopie E, Conway B, Lee YJ, <u>Liang JN</u>. Changes in Soleus H-reflexes following slope walking in people post-stroke. 2017 American Society of Neurorehabilitation (ASNR), Baltimore, MA.

- 17. <u>Liang JN</u>, Segal RL. Asymmetric ankle kinematics during walking post-stroke is associated with impaired reciprocal inhibition of plantarflexor H-reflex from dorsiflexor activity. 2016 APTA Combined Sections Meeting (CSM), Anaheim, CA.
- 18. <u>Liang JN</u>, Nietert PJ, Segal RL. Magnitude of reciprocal inhibition on plantarflexor H-reflex increases non-linearly with level of dorsiflexor muscle activity in non-neurologically impaired humans. 2015 Society for Neuroscience (SfN), Chicago, IL.
- 19. <u>Liang JN</u>, Brown DA. Impaired H-reflex gain during postural loaded locomotion in individuals post-stroke. 2012 Society for Neuroscience (SfN), New Orleans, LA.
- 20. <u>Liang JN</u>, Brown DA. Impaired foot-force direction regulation during postural loaded locomotion in individuals post-stroke. 2012 Society for Neuroscience (SfN), New Orleans, LA.
- 21. <u>Liang JN</u>, Brown DA. Intact foot-force direction regulation during locomotor control when postural influence is removed with individuals post-stroke. 2012 North American Federation of Adapted Physical Therapy Symposium (NAFAPA), Birmingham, AL.
- 22. <u>Liang JN</u>, Brown DA. Dissociation of support surface forces and changes to muscle coordination during locomotion under postural loading conditions in people post-stroke. 2012 Joint World Congress of International Society of Posture & Gait Research (ISPGR) and Gait & Mental Function, Trondheim, Norway.
- 23. <u>Liang JN</u>, Brown DA. Dissociation of normal versus shear surface force generation during locomotion in people post-stroke. 2012 APTA Combined Sections Meeting (CSM), Chicago, IL.
- 24. <u>Liang JN</u>, Brown DA. Dissociation of normal vs shear surface force generation during locomotion in people post-stroke. 2011 Society for Neuroscience (SfN), Washington D.C.
- 25. <u>Liang JN</u>, Chang Y, Chang J, Lien H, Fang C. Effects of continuous passive motion on restoration of the spinal circuitry after spinal cord injury. 2007 Society for Neuroscience (SfN), San Diego, CA.
- 26. Chang Y, Chang Y, Lee B, <u>Liang JN</u>. Modulation of disynaptic reciprocal la inhibition after short-term reciprocal and co-contraction training. 2006 Society for Neuroscience (SfN), Atlanta, GA.

Non-Peer Reviewed Presentations

- "Changing spinal inhibition to improve walking in people after stroke". Operant Conditioning Special Interest Group Meeting, Online, September 2020.
- "Control of foot forces, muscle activity coordination and H-reflex gain modulation during non-postural loaded and postural loaded locomotion in individuals post-stroke". University of Alabama at Birmingham, Birmingham, AL, October 2013.
- <u>Liang JN</u>, Chang Y. Assessment of Low- and High- Frequency Fatigue in Concentric and Eccentric Contractions using the S/D ratio and Tetanic contractions. 2006 Autumn Physical Therapy Association Conference, Taipei, Taiwan.

Funded Grant Activity

External Grants

- <u>Liang JN</u>, Thompson AK. Operant conditioning of reciprocal inhibition on ankle plantarflexors in people after stroke. National Center of Neuromodulation for Rehabilitation (NC NM4R). 2/1/2022 7/31/2022. \$7,500. (*Role: PI*)
- <u>Liang JN</u>, Thompson AK. Changing spinal inhibition to improve gait in individuals after stroke. American Society of Neurorehabilitation. 2018-2019. \$5,000. (*Role: PI*)
- <u>Liang JN</u>. Regulation of mechanical and reflex properties to prevent slipping during locomotion in people post-stroke. American Heart Association, 11PRE54300029, 1/1/2011 12/31/2012. \$52,000. (Role: PI)

Internal Grants

- Contreras M, Diez T, Mendez JM, Seekins M, Ho KY, <u>Liang JN</u>. Neural and tendon mechanical adaptations in individuals with chronic post-stroke hemiparesis. UNLVPT Student Opportunity Research Grant 2021. \$1,757. (Role: PI, mentor)
- Aquino J, Broadwell B, Wallace C, Whimple M, <u>Liang JN</u>, Ho KY. Modulating cortical excitability to improve functional movements in individuals with patellofemoral pain: a randomized controlled trial. UNLVPT Student Opportunity Research Grant 2021. \$2,004. (Role: Co-I, co-mentor)
- Galvez J, Nguyen L, Yee B, <u>Liang JN</u>. Effects of postural load perturbations on the stroke-impaired spinal circuitry. UNLVPT Student Opportunity Research Grant 2021. \$3,610. (Role: PI, mentor)
- Ubalde L, Turner C, <u>Liang JN</u>. Characterization of the reciprocal inhibitory pathway for assessing activity-dependent plasticity following long-term ballet training. UNLV GPSA research grant. (Role: faculty mentor)
- Budge S, Madriaga A, Meske K, Nguyenton D, <u>Liang JN</u>, Ho KY. How does patellofemoral pain affect the functioning of the brain and spinal cord? A systematic review with meta-analysis. UNLVPT Student Opportunity Research Grant 2020. \$4,340. (Role: Co-I, co-mentor)
- Cabrera R, Gan JP, Laudermilch L, Wolkenhauer B, <u>Liang JN</u>. Effects of bimodal transcranial direct stimulation on modulation of spinal circuitry in people with chronic post-stroke hemiparesis. UNLVPT Student Opportunity Research Grant 2019. \$4,651. (Role: PI, mentor)
- Arches J, Keohane M, Lee J, Simon A, Ho KY, <u>Liang JN</u>. Effects of altered somatosensory input on lower limb mechanics via different shoes and barefoot walking in individuals with chronic poststroke hemiparesis. UNLVPT Student Opportunity Research Grant 2019. \$4,865. (Role: PI, mentor)
- <u>Liang JN</u>, Kinney J, Ho KY, Shan G. Modifying the spinal circuitry to improve walking and BDNF expression in individuals post-stroke. UNLV Faculty Opportunity Award, 7/1/2018-6/30/2019. \$20,000. (Role: PI)
- Jacklin J, Hobson P, Ubalde L, Wright-Avila S, <u>Liang JN</u>. Effects of transcranial direct current stimulation on gait and balance in individuals post-stroke. UNLVPT Student Opportunity Research Grant 2018. \$1,785. (*Role: PI, mentor*)
- Hung V, Reilly A, Wood R, Yuskov N, Ho KY, <u>Liang JN</u>. Effects of Foot Tactile Stimuli on Propulsion Force, Ankle Kinematics, and Muscle Activations in Patients with Chronic Post-Stroke Hemiparesis. UNLVPT Student Opportunity Research Grant 2018. \$2,000 (Role: PI, mentor)

- Drobitch N, Henry K, Lyons S, Schomig J, <u>Liang JN</u>. Modulation of the spinal circuit using transcranial direct current stimulation in individuals post-stroke. UNLVPT Student Opportunity Research Grant 2017. \$2,765. (Role: PI, mentor)
- Ackley C, Aki K, Arias J, Trinh J, Ho KY, <u>Liang JN</u>. Effects of altering walking speed on propulsion forces, ankle kinematic and muscle activation in patients with chronic post-stroke hemiparesis. UNLVPT Student Opportunity Research Grant 2017. \$1,880. (Role: Pl, mentor)
- Akoopie A, Conway B, Koch T, <u>Liang JN</u>. Neuromuscular adaptations during slope walking in individuals post-stroke. UNLVPT Student Opportunity Research Grant 2016. \$992. (Role: PI, mentor)

Honors and Awards

- 2024 UNLV Libraries Open Article Fund, \$2,000
- 2020 UNLV Libraries Open Article Fund, \$1,500
- 2019 UNLV Libraries Open Article Fund, \$1,500
- 2018 UNLV Faculty Opportunity Award, \$20,000
- 2018 Research for the Future Award, Nevada Physical Therapy Board
- 2018 UNLV SAHS Summer Research Fellowship \$10,000
- 2018 UNLV Faculty Institute for Creative Research Assignments Fellow
- 2017 Fall UNLV Faculty Travel Award
- 2017 Spring UNLV Faculty Travel Award
- 2012 Force and Motion Foundation travel award
- 2011 Force and Motion Foundation travel award
- 2007 Research Scholar Award (Training Grant for PhD degree), Taiwan Ministry of Education, \$25,000/year (2 years).
- 2006, Dean's Honor Scholarship
- 2005, Dean's Honor Scholarship

Membership in Scientific/Professional Organizations

- American Physical Therapy Association (2014 to present)
- International Society for Posture and Gait Research (2011 to present)
- Society for the Neural Control of Movement (2014 to present)
- Society for Neuroscience (2007 to present)
- Taiwan Physical Therapy Association (2004 to 2008)

Consultative and Advisory Positions

- Journal manuscript reviewer
 - Motor control (2017-present)
 - Experimental Gerontology (2016-present)
 - Journal of NeuroEngineering and Rehabilitation (2015-present)
 - Journal of Neurologic Physical Therapy (2014-present)

- International Journal of Exercise Science (2020-present)
- Grant reviewer
 - o National Center of Neuromodulation for Rehabilitation (2017-2018, 2020-2021)
 - Mountain West IDeA Clinical and Translational Research Infrastructure Network pilot grant (2016)
 - American Heart Association (2016)
- Conference abstract
 - o APTA Combined Sections Meeting, Neurology Section (2018, 2019)

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

- Department of Physical Therapy
 - o Admissions and Recruitment Committee committee member (2022-present)
 - Academic Review Committee committee member (2016-2021)
 - Department Bylaws Committee Chair (2016-2017, 2019-2021)
 - o Scholarship Committee committee member (2016-2017, 2019-present)
 - Media Committee
 - committee member (2019 2021)
 - Chair (2022-present)
 - Assessment Committee committee member (2017 2020)
 - o Faculty Search Committee
 - committee member (2016-2017)
 - Co-chair (2017-2019)
- School of Integrated Health Sciences
 - School Bylaws Committee (2017)

Continuing Education Attended (last 5 years)

- Conferences:
 - American Physical Therapy Association Combined Section Meeting
 - Online, 2021
 - New Orleans, Louisiana, 2018
 - San Antonio, Texas, 2017
 - Anaheim, California, 2016
 - Indianapolis, Indiana, 2015
 - Las Vegas, Nevada, 2014
 - Chicago, Illinois, 2012
 - o American Society of Neurorehabilitation
 - Chicago, Illinois, 2019
 - Chicago, Illinois, 2015
 - o International Society for Posture and Gait Research
 - Trondheim, Norway, 2012.
 - Neural Control of Movement
 - Charleston, South Carolina, 2015.

- o North American Federation of Adapted Physical Therapy Symposium
 - Birmingham, Alabama, 2012.
- Society for Neuroscience
 - Chicago, Illinois, 2019
 - Chicago, Illinois, 2015.
 - New Orleans, Louisiana, 2012.
 - Washington D.C., 2011.

Workshops:

- NC NM4R Operant Conditioning Special Interest Group Monthly Meetings, online.
- o NC NM4R Operant Conditioning Workshop, 2018, 2019.
- o APTA Faculty development workshop, July 13-16, 2017.
- Early career scientist workshop, Feb 4, 2015.
- UNLV Faculty Institute for Creative Research Assignments, Jan 8-9, 2018.

Certification:

- Brain Stimulation Intensive Course Transcranial Magnetic Stimulation Certification, Institute of Psychiatry, Medical University of South Carolina, October 2014.
- Apple Tree Foundations in Teaching and Learning Certification A Series for Educators,
 Medical University of South Carolina, Sept 2014 Dec 2014.

Current Teaching Responsibilities in the Entry-Level DPT program/PhD program

- Doctor of Physical Therapy Program
 - o Fall:
 - DPT 746 Neuroanatomy (3 credits)
 - DPT 746L Neuroanatomy Lab (1 credit)
 - Spring:
 - DPT 798 Directed Research (3 credits)
- PhD program
 - Spring:
 - PTS 714 Neuroplasticity (3 credits)
 - PTS 747 Human Neuroanatomy (3 credits)

Graduate Students Supervised

- PhD Students, Committee Member
 - Jennifer Le Clinical Psychology
 - Milan Pantovic Interdisciplinary Health Sciences (current)
 - Robert Salatto Interdisciplinary Health Sciences (current)
 - Daniel Lidstone Interdisciplinary Health Sciences (2019)
 - Lee-Kuen Chua Interdisciplinary Health Sciences (2019)

Doctor of Physical Therapy Students, Research Mentor

o Class of 2027 (current): Arliz Herrera, Greco Neblina, Katie Schloss.

- Class of 2026 (current): Daniel Bamiro, Matthew Berdiago, Ethan Hunter, Isabella Keefer, Tia Nguyen, Derek Smith, Brendan Yawn.
- Class of 2025 (current): Michael Carpio, Daniela Casillas, John Donohue, Jacob Kissman, Lesley Ruiz.
- Class of 2024: Jeno Aquino, Bryce Broadwell, Connan Wallace, Makenzie Whimple, Migi Contreras, Trevor Diez, Johanna Mae Mendez, Mira Seekins.
- Class of 2023: Jose Galvaz, Linh Nguyen, Brandon Yee.
- o Class of 2022: Savanna Budge, Austin Madriaga, Kara Meske, Derrick Nguyenton.
- Class of 2021: Jynelle Marie Arches, Megan Keohane, Wee Jin Jed Lee, Aaron Simon, Rafael Cabrera, John Patrick Gan, Lana Laudermilch, Benjamin Wolkenhauer.
- Class of 2020: Peyton Hobson, Jordon Jacklin, Leonard Ubalde, Sara Wright-Avila, Victor Hung, Amanda Reilly, Rachel Wood, Nikita Yuskov.
- Class of 2019: Corey Ackley, Kiley Aki, Joshua Arias, Kylie Henry, Sage Lyons, Neil Drobitch,
 James Schomig, Jassie Trinh.
- o Class of 2018: Eric Akoopie, Brooke Conway, Trisha Koch.

School of Medicine Students, Research Mentor

o Class of 2021: Jenny Hong, Alex Lin, Johnnie Woodson

Doctor of Physical Therapy Students, Professional Career and Academic Advisor

- o Class of 2027 (current): Bao-Tran Nguyen, Juana Flores, Lyndsey Marino, Carolyn Wilson.
- o Class of 2026 (current): Lauren Valerio, Calvin Kwok, Jacob Brewer, Ashlyn Strange.
- Class of 2025 (current): Jewel Granados, Jonathan Aaron Madamba, Ashton Johnson, Madeline Cosgrove.
- o Class of 2024: Madison Dobbs, Tanner Mueller, Kimberly Nguyen, Simone Schroder.
- Class of 2023: Francesca Schutte, Jace Sharp, Carol Ann Sparks, Roopkiran Thind.
- o Class of 2022: Samantha Ruiz, Karen Santos, Rondale Scruggs, Katie Shigemoto.
- Class of 2021: Alyssa Woo Hatch, Megan Keohane, Ben Wolkenhauer, Meghan Wonderling.
- Class of 2020: Amanda Ferraro, Daniel Krist, Trevor Pacuk, Elizabeth Trujillo, Nikita Yuskov.
- o Class of 2019: Michelle Evers, Jessica Kellogg, Jason Phan, Joshua Wood.
- Class of 2018: Patrick Williams, Geneva Winters, Jessica Zorn.

Graduate Assistant/Teaching Assistant Advisor

o 2021-2022: Rosedevia Howell

o 2020-2021: Leonard Ubalde

o 2019-2020: Lana Laudermilch

2018-2019: Amanda Ferraro, Victor Hung, Jordon Jacklin, Leonard Ubalde

2017-2018: James Schomig

o 2016-2017: Brenda Benson

o 2015-2016: Jayson McClaren

Master's Degree Student, Committee Member

Karanjit Singh - Health Physics (2017)