

CURRICULUM VITAE

Antoinette Domingo, PT, PhD
Doctor of Physical Therapy Program
School of Exercise and Nutritional Sciences
San Diego State University
5500 Campanile Drive
San Diego, CA 92182-7251
(619) 594-3289
adomingo@sdsu.edu

EDUCATION

University of British Columbia, International Collaboration on Repair Discoveries (ICORD) Post-doctoral Research	2013 Kinesiology
University of Michigan, Ann Arbor PhD	2009 Kinesiology
Mayo School of Health Sciences MPT	1999 Physical Therapy
University of California, Berkeley AB	1996 Human Biodynamics

TEACHING POSITIONS

Assistant Professor San Diego State University	Fall 2013-Present DPT 803/802 Life Cycle II/I (Geriatrics) DPT 886 Functional Neuro-biomechanical Relationships DPT 889 Doctoral Project DPT 897 Doctoral Research
Graduate Student Instructor University of Michigan, Ann Arbor	Fall 2004-Spring 2006 MVS/KIN 435 Biomechanics of Human Locomotion MVS 110 Biological and Behavioral Basis of Human Movement Biomechanics Module

PROFESSIONAL GROWTH

Academic and Research Positions

- 8/13-present Assistant Professor, Doctor of Physical Therapy Program, School of Exercise and Nutritional Sciences, San Diego State University.
- 10/09-7/13 Postdoctoral Researcher, School of Kinesiology/International Collaboration on Repair Discoveries (ICORD), University of British Columbia.
- 6/03-8/09 Graduate Student Research Assistant, School of Kinesiology, University of Michigan.

Clinical Positions

- 7/03-9/09 Physical Therapist (contingent), Glacier Hills, Ann Arbor, MI, Sub-acute rehabilitation
- 2/03-5/03 Physical Therapist, Allied Health Professionals, Highland Park, IL, Inpatient acute care.
- 6/00-2/03 Physical Therapist/Team Leader, Advanced Therapy & Rehab, Rosemont, IL, Sub-acute rehabilitation, long-term care, advanced wound program.
- 3/00-6/00 Physical Therapist, Comprehensive Therapeutics, Glenview, IL, Sub-acute rehabilitation, long-term care, physical rehabilitation and restorative programs.

Refereed Journal Articles

Mentored students in underlined italics

1. Lee Y, Nichols JF, **Domingo A**, Kim Y, Park SM, Han G, Seo H, Hovell M (2019) Balance performance and related soft tissue components across three age groups. *Health Care for Women International*. <https://doi.org/10.1080/07399332.2019.1678160> (Q3, 275/551 Health Professions, impact factor: .895) Role: Co-author (data interpretation, edited manuscript).
2. Pinho AS, Salazar AP, Hennig EM, Spessato BC, **Domingo A**, Pagnussat AS (2019) Can we rely on mobile devices and other gadgets to assess postural balance? A systematic review. *Sensors (Basel)*, Jul 5;19(13). <https://www.ncbi.nlm.nih.gov/pubmed/31284455> (Q2, 1169/2863 Medicine (misc.), impact factor: 3.031) Role: Co-author (data interpretation, edited manuscript).
3. Kressler J, **Domingo A** (2019). Cardiometabolic Challenges Provided by Variable Assisted Exoskeletal vs. Overground Walking: Two Case Reports. *Journal of Neurologic Physical Therapy*. <https://www.ncbi.nlm.nih.gov/pubmed/30883500>
4. Kressler J, Koepelin-Day J, Rosby B, Muendle B, **Domingo A** (2018). Stroke detection accuracy of consumer-level activity monitors during wheelchair propulsion and arm ergometry. *PLOS ONE*, 14;13(2):e0191556. <https://www.ncbi.nlm.nih.gov/pubmed/29444105>
5. Kressler J, Wymer T, **Domingo A** (2018) Respiratory, cardiovascular and metabolic responses during different modes of overground bionic ambulation in persons with motor incomplete spinal cord injury: a case series. *Journal of Rehabilitation Medicine*, 13;50(2):173-180. <https://www.ncbi.nlm.nih.gov/pubmed/29068039>
6. **Domingo AR**, Diek M, Goble KM, Maluf KS, Goble DJ, Baweja HS (2017). Short duration therapeutic massage reduces postural upper trapezius muscle activity. *NeuroReport*, 28(2):108-110. <https://www.ncbi.nlm.nih.gov/pubmed/27977513>
7. Chisholm AE, **Domingo A**, Jeyasurya J, Lam T (2015). Quantification of lower extremity kinesthesia deficits using a robotic exoskeleton in people with a spinal cord injury. *Neurorehabilitation and Neural Repair*, 30(3):199-208.

8. **Domingo A**, Lam T (2014). Reliability and validity of using the Lokomat to assess lower limb joint position sense in people with incomplete spinal cord injury. *Journal of Neuroengineering and Rehabilitation*, 11:167. <https://www.ncbi.nlm.nih.gov/pubmed/25516305>
9. **Domingo A**, Klimstra M, Nakajima T, Lam T, Hundza SR (2014). Walking phase modulates H-reflex amplitude in flexor carpi radialis. *Journal of Motor Behavior*, 46:49-57. <https://www.ncbi.nlm.nih.gov/pubmed/24313749>
10. **Domingo A**, Al-Yahya AA, Asiri Y, Eng JJ, Lam T, SCIRE Research Team (2012). A systematic review on the effects of pharmacological agents on walking function in people with spinal cord injury. *Journal of Neurotrauma*, 29:865-879. <https://www.ncbi.nlm.nih.gov/pubmed/22142289>
11. **Domingo A**, Ferris DP (2010) The effects of error augmentation on learning to walk on a narrow balance beam. *Experimental Brain Research*, 206:359-70. <https://www.ncbi.nlm.nih.gov/pubmed/20853102>
12. **Domingo A**, Ferris DP (2009) Effects of physical guidance on short-term learning of walking on a narrow beam. *Gait and Posture*, 30:464-468. <https://www.ncbi.nlm.nih.gov/pubmed/19674900>
13. **Domingo A**, Sawicki GS, Ferris DP (2007) Kinematics and muscle activity of individuals with incomplete spinal cord injury during treadmill stepping with and without manual assistance. *Journal of Neuroengineering and Rehabilitation*, 4:32. <https://www.ncbi.nlm.nih.gov/pubmed/17711590>
14. Sawicki GS, **Domingo A**, Ferris DP (2006) The effects of powered ankle foot orthoses on muscle activation and joint kinematics during walking by individuals with incomplete spinal cord injury. *Journal of Neuroengineering and Rehabilitation*, 3:3. <https://www.ncbi.nlm.nih.gov/pubmed/16504172>
15. Ferris DP, Sawicki GS, **Domingo A** (2005) Powered lower limb orthoses for gait rehabilitation. *Topics in Spinal Cord Injury Rehabilitation*, 11:34-49. <https://www.ncbi.nlm.nih.gov/pubmed/16568153>
16. Kram R, **Domingo A**, Ferris DP (1997) Effect of reduced gravity on the preferred walk-run transition speed. *Journal of Experimental Biology*, 200:821-826. <https://www.ncbi.nlm.nih.gov/pubmed/9076966>

Refereed Proceedings

1. **Domingo A**, Marriott EJ, de Grave RB, Lam T (2011) Quantifying lower limb joint position sense using a robotic exoskeleton: a pilot study. *IEEE Proceedings of the 12th International Conference on Rehabilitation Robotics*, June 29-July 1, Zurich, Switzerland. <https://www.ncbi.nlm.nih.gov/pubmed/22275653>

Non-refereed Proceedings

1. Lam T, Wolfe DL, **Domingo A**, Eng JJ, Sproule S (2014). Lower Limb Rehabilitation Following Spinal Cord Injury. In: Eng JJ, Teasell RW, Miller WC, Wolfe DL, Townson AF, Hsieh JTC, Connolly SJ, Noonan VK, Loh E, McIntyre A, editors. *Spinal Cord Injury Rehabilitation Evidence*. Version 5.0. Vancouver: p 1-74.

Conference presentations (last 5 years)

Mentored students in underlined italics

1. Glasheen E, Brooksin B, Dougherty B, Hand A, Maxwell E, Perry C, Sin K, Tsuda K, **Domingo A**, Kressler J (2020) Twelve Weeks of Overground Bionic Ambulation with Fes in Individuals with SCI: A Case Series. *American Physical Therapy Association Combined Sections Meeting*, February 12-15, Denver, CO.
2. Segelke C, Glasheen E, Tsuda K, Kressler J, **Domingo A** (2020) Acute Cardiometabolic and Muscular Responses to Exoskeleton Walking with FES in SCI. *American Physical Therapy Association Combined Sections Meeting*, February 12-15, Denver, CO.
3. Rashid M, Glasheen E, Kressler J, Tsuda K, Estrada S, **Domingo A** (2018) Glycemic Responses to Overground Bionic Ambulation for Spinal Cord Injury. *Southwest Chapter of the American College of Sports Medicine*, October 26-27, Costa Mesa, CA.
4. **Domingo A**, Ramirez E (2018) The effects of two types of variable assistance on motor learning of a novel swing phase trajectory. *48th Annual Meeting of the Society for Neuroscience*, November 3-7, San Diego, CA.
5. Glasheen E, Kressler J, **Domingo A** (2018) Oxygen Consumption and Substrate Utilization during Bionic Ambulation with Functional Electrical Stimulation for SCI. *ACRM 94th Annual Conference, Progress in Rehabilitation Research*, September 30-October 3, Dallas, TX.
6. McCarty K, **Domingo A**, MacDonald M (2018) In pursuit of health equity for collegiate athletes with physical disabilities: Audit of program availability and characteristics within the United States. *North American Federation of Adapted Physical Activity*, October 1-3, Corvallis, OR.
7. McCarty K, **Domingo A**, Cottingham M, MacDonald M (2018) Access to competitive sport and physical activity opportunities for collegiate students with physical disabilities. *Oregon Academy of Science*, March 3, Newburg, OR.
8. Rioveros A, Glasheen E, **Domingo A**, Penaflor T, Panaligan B, Kressler J (2018) Agreement Of Heart Rate Monitoring With A Smartwatch In Persons Using Wheelchairs. *American College of Sports Medicine*, May 29-June 2, Minneapolis, MN.
9. Moreno D, Glasheen E, **Domingo A**, Panaligan B, Kressler J (2018) Comparison of Caloric Expenditure in a Smart Watch and Portable Metabolic Cart. *American College of Sports Medicine*, May 29-June 2, Minneapolis, MN.
10. **Domingo A**, Tam RM, Willcocks S, Goff M, Colwell S, Kressler J (2018) Effects of Ekso Training on Walking Function and Health in People with Incomplete Spinal Cord Injury: A Case Series. *American Physical Therapy Association Combined Sections Meeting*, February 21-24, New Orleans, LA.
11. **Domingo A**, Baxter C, Ball S, Kennard L, Pham B, Rosario S, Sanscartier C, Kressler J (2018) Oxygen Uptake and Muscle Activation While Walking in an Exoskeleton with Variable Assistance in Individuals with Incomplete Spinal Cord Injury. *American Physical Therapy Association Combined Sections Meeting*, February 21-24, New Orleans, LA.

12. Penaflor T, Glasheen E, **Domingo A**, Panaligan B, Rioveros A, Kressler J (2017) Comparison of caloric expenditure in an Apple Watch and portable metabolic cart. *Southwest Chapter of the American College of Sports Medicine*, October 16-17, Long Beach, CA.
13. Glasheen EL, **Domingo A**, Moreno D, Kressler J (2017) Validity of Apple Watch Fitness Tracker for Wheelchair Users. *ACRM 94th Annual Conference, Progress in Rehabilitation Research*, October 25-28, Atlanta, GA.
14. Schmaltz A, Dillon A, Paquette L, **Domingo A** (2016) Does gradual training affect muscle coactivation during motor learning? *46th Annual Meeting of the Society for Neuroscience*, November 12-16, San Diego, CA.
15. Kressler J, Koepelin-Day J, Muendle B, **Domingo A** (2016) Accuracy of wrist-worn activity monitors during wheelchair use and arm ergometry. *American College of Sports Medicine*, May 30-June 1, Boston, MA.
16. Cunha J, Benedict P, **Domingo A**, Kolkhorst F, Rossiter B, Cannon DT (2016) Expiratory Flow Limitation, Dynamic Hyperinflation, and Locomotor Power and Fatigue. *Experimental Biology*, April 2-6, San Diego, CA.
17. Barreyro SB, Gerbracht J, Lyons H, Tseng S, Wood J, Swanson B, **Domingo A** (2016) Effects of adaptive and fixed practice on motor learning of narrow beam walking. *American Physical Therapy Association Combined Sections Meeting*, February 17-20, Anaheim, CA.
18. **Domingo A**, Swanson B, Sanscartier C (2016) Kinematics and muscle activity during over ground bionic ambulation in able-bodied individuals. *American Physical Therapy Association Combined Sections Meeting*, February 17-20, Anaheim, CA.
19. Cunha J, Benedict P, **Domingo A**, Kolkhorst F, Cannon DT (2015) Expiratory Resistance, Dynamic Hyperinflation, and Fatigue in Young Healthy Humans. *Southwest Chapter of the American College of Sports Medicine*, October 16-17, Costa Mesa, CA.
20. Koepelin-Day J, Mundle B, Rosby B, **Domingo A** (2015) Validity of activity trackers during wheelchair use. *Annual International Technology & Persons with Disabilities Conference*, March 4-6, San Diego, CA.
21. Sanscartier C, Swanson B, **Domingo A** (2015) Learning to walk in a bionic suit. *Annual International Technology & Persons with Disabilities Conference*, March 4-6, San Diego, CA.

Scholarly Awards

1. Faculty of Education Post-doctoral Fellows Conference Travel Grant (2011)
2. Gordon Hiebert Prize, ICORD Annual Research Meeting (2011)
3. ICORD Trainee Travel Award (2010-2012)
4. Stan Kemp Award (2008)
5. Lucile M. Swift Honor Award (2007)
6. Summer Internship in Neural Engineering, Northwestern University (2004)
7. Jay and Rose Phillips Foundation Minorities in Medicine Scholarship (1998-1999)
8. Summer Research Training Program, UC San Francisco (1996)
9. Pauline Hodgson Award (1996)

10. Nu Sigma Psi Honor Society (1996)
11. Biology Fellows Program Scholarship (1995-1996)
12. Summer Research Opportunities Program, UC Berkeley (1995)
13. Dean's Honor List (1995)

Funded Grants and Fellowships

External Grants

1. Research Grant

Funding Source: University of California, San Diego

(Craig H. Neilsen Foundation: Spinal Cord Injury Research on the Translational Spectrum (PI: Richard Lieber))

Title: Functional comparison between nerve and tendon transfer after SCI

Role: PI (subcontract to SDSU)

Subcontract: \$16,530

Period: 9/2015-9/2018

Aim: The purpose of this proposal is to compare directly the efficacy of tendon-transfers and nerve-transfers to restore function after spinal cord injury (SCI) in the tetraplegic patient population. For this project, I am responsible for functional outcomes testing following nerve transfer surgery, as well as data analysis and dissemination of results.

2. Research Grant

Funding Source: International Foundation for Research in Paraplegia

Title: Robotics in spinal cord injury rehabilitation: understanding the role of proprioception in the functional recovery of walking

Role: Co-Investigator

Principal Investigator: Tania Lam

Amount: 150,000 CHF

Period: 2012-2014

Aim: 1) Evaluate the reliability and validity of a novel quantitative assessment tool to quantify lower limb proprioceptive sense and 2) determine the contribution of proprioceptive sense on skilled walking function in people with SCI.

Internal grants SDSU

3. Research Grant

Funding Source: SDSU University Grants Program

Title: Overground bionic ambulation and functional electrical stimulation to improve health and function after SCI

Role: Principal Investigator

Amount: \$9,400

Period: 1/2017-6/2019

Aim: Our primary aim is to induce metabolic responses during overground bionic ambulation (OBA) with functional electrical stimulation (FES) sufficiently to meet general guidelines for health promotion and disease prevention, thereby reducing secondary complications and associated costs of spinal cord injury (SCI).

4. Research Grant

Funding Source: SDSU Summer Undergraduate Research Program

Title: Effectiveness of continuous vs. discrete error detection and correction on learning to walk in an exoskeleton

Role: Principal Investigator

Amount: \$3,000

Period: 5/2016-8/2016

Aim: The purpose of this study is to compare how continuous or discrete errors affect learning of a prescribed trajectory of the swing leg during bionic ambulation.

5. Research Grant

Funding Source: SDSU Undergraduate Research Program Faculty Mini-Grant

Title: Optimizing motor learning of swing-phase trajectories during walking in an exoskeleton

Role: Principal Investigator

Amount: \$1,000

Period: 3/2016-12/2016

Aim: The purpose of this study is to determine the best type of feedback that will maximize learning of a prescribed trajectory of the swing leg during walking in a robotic suit.

6. Research Grant

Funding Source: SDSU Summer Undergraduate Research Program

Title: Overground bionic ambulation in able-bodied individuals

Role: Principal Investigator

Amount: \$3,000

Period: 5/2015-8/2015

Aim: The purpose of this project is to compare muscle activity and joint angles during overground bionic ambulation and normal walking.

7. Research Grant

Funding Source: SDSU University Grants Program

Title: Biomechanical analysis of bionic ambulation

Role: Principal Investigator

Amount: \$10,000

Period: 1/2015-6/2017

Aim: To investigate whole body biomechanics of over ground bionic ambulation with instrumented crutches in people with SCI.

8. Research Grant

Funding Source: SDSU Undergraduate Research Program Faculty Mini-Grant

Title: Learning to walk in a bionic suit

Role: Principal Investigator

Amount: \$1,000

Period: 10/2014-8/2015

Aim: Examine how able-bodied subjects adapt to wearing a wearable bionic suit used for gait rehabilitation.

9. Research Grant

Funding Source: SDSU University Grants Program

Title: Adaptive assistance for motor learning of walking balance.

Role: Principal Investigator

Amount: \$10,000

Period: 1/2014-6/2016

Aim: Examine how using adaptive assistance where physical guidance is removed gradually based on the learner's performance affects learning of a walking on a narrow beam.

Invited Presentations

1. Orthopaedic Surgery Research Conference, Department of Orthopaedic Surgery, University of California, San Diego (Dec 2015)
2. SCI Forum, BC Paraplegic Association (Mar 2012)
3. Rehabilitation Research Rounds, Division of Physical Medicine and Rehabilitation, University of British Columbia (Feb 2012)
4. Neuroscience Conference, Residency Training Program, Department of Neurology, University of Michigan Health System (Jan 2008)

Professional Memberships

1. American Physical Therapy Association (1997-present)
2. American Society of Biomechanics (2003-present)
3. Society for Neuroscience (2007-present)

Licensure

1. State of Michigan Physical Therapy License (2003-present)

TEACHING EFFECTIVENESS

Curriculum Development and Teaching Innovations

1. San Diego State University

01/14–pres. Doctor of Physical Therapy (DPT) 803/802 – Life Cycle II/I (Geriatrics)
(2 cr) (32-39 students)

Primary instructor of graduate level course on unique aspects of individuals at later stages in the life span that have an impact on physical therapy management.

01/14–pres. Doctor of Physical Therapy (DPT) 886 – Functional Neuro-biomechanical Relationships
(3 cr) (34-39 students)

Primary instructor of graduate level course on the application of mechanical and physiological principles to the human movement system.

2. University of Michigan

09/06–12/06 Movement Science (MVS)/Kinesiology 435 – Biomechanics of Human Locomotion
(3 cr) (15 students)

Graduate Student Co-Instructor for undergraduate/graduate level problem-based learning course on human locomotion.

09/04–04/05 Movement Science (MVS) 110 – Biological and Behavioral Basis of Human Movement
Biomechanics Module
(3 cr) (~75 students)

Instructed core introductory lecture course on the biomechanics of human movement.

Master's Thesis and Doctoral Project Committees, Independent Study Supervision

1. San Diego State University

Doctoral (DPT) Project – Chair

Michaela Denny, Sam Falkenberg, Giovanna Gallardo, Krista Lum, Rachel Quan, Samantha Ramos,
Physiological responses to exoskeleton walking in individuals post-stroke. (expected 2021)

Brianna Brooskin, Brittany Dougherty, Anna Hand, Emily Maxwell, Caitlin Perry, Kendra Sin, *Use of robotic exoskeletons and functional electrical stimulation to improve walking function, cardiorespiratory fitness and quality of life in people with spinal cord injury*. (expected 2020)

Breanna Blancher, Kevin Carey, Casey Conner, Matthew Hemphill, Sophia Kanakaris, Caitlin Segelke, Sydney Strom, *Exoskeleton ambulation and functional electrical stimulation to improve health in people with spinal cord injury: A case series*. (expected 2019)

Stephen Ball, Carla Baxter, Larry Kennard, Brandon Pham, Simary Rosario, Chelsea Sanscartier, *Acute respiratory responses to variable assistance during over ground bionic ambulation*. (2018)

Shelby Colwell, Wendy Dorr, Melissa Goff, Brianna Hatherill, Rowena Tam, Shelby Willcocks, *Effects of over ground bionic ambulation training on walking function and health in people with spinal cord injury: a case series*. (2017)

Sara-Rosabelle Barreyro, Jillian Gerbracht, Heather Lyons, Supamas Tseng, Jeffrey Wood*, *Effects of Adaptive Practice on Motor Learning of Narrow Beam Walking*. (2016)

*Group earned Research Award for Diversity, Inclusion, and Social Justice at the 2015 SDSU Student Research Symposium

Sadie Henderson, Kaiti Jarratt, Imelda Rodriguez, *Effects of Bihemispheric Transcranial Direct Current Stimulation (tDCS) on Locomotor Adaptation in People Post-Stroke*. (2015)

Doctoral (DPT) Project – Committee Member

Garrett Barr, Megan Belchamber, Vuk Ekmecic, Leah O'Reilly, Paige Stephens, Madelyn White, *Exercise training for women with anal incontinence*. (expected 2020) Chair: Lori Tuttle, PT, PhD

Rachel De Los Santos, Ryan Kirschmann, Ethan Morgan, Sonnen Olson, Jenny Ross, Samantha Stack, *Association between disrupted sleep and indices of pain sensitivity and cardiovascular function in adults with and without chronic spine pain*. (expected 2019) Chair: Katrina Maluf, PT, PhD

Christina Crossen, Jessica Herman, Marie Krouse, Victor Larios, Elana Miller, *Recovery from acute neck pain: case series*. (2018) Chair: Katrina Maluf, PT, PhD

Zane Brandt, Chelsea Kane, Tonia Malave, Meagan Moffat, Tianna Woods, *Association between psychological health and affective responses to pain in Hispanic and non-Hispanic whites*. (2017) Chair: Katrina Maluf, PT, PhD

Leah Crawford, Tyler Deming, Frank St. Tomas, *Contributions of peripheral and central fatigue to exercise intolerance in trained subjects*. (2015) Chair: Fred Kolkhorst, PhD

Julianne Stewart, Gail Bachman, Clarissa Cooper, Farzana Boman, *Relationship between sleep and circadian dysfunction and gait initiation impairment in Parkinson's disease*. (2015) Chair: Sara Gombatto, PT, PhD

Master's Thesis – Committee member (Exercise Physiology)

Jyotika Erram, *Measuring airway resistance and characterizing the flow-volume envelope with imposed expiratory resistance in healthy adults*. (expected 2020) Chair: Daniel T. Cannon, PhD

Jonathan Cunha, *Effects of Expiratory Resistance on Skeletal Muscle Fatigue*. (2016) Chair: Daniel T. Cannon, PhD

Dillon Gilbertson, *Effects of environmental conditions on recruitment and peripheral fatigue*. (2014) Chair: Fred Kolkhorst, PhD

Independent Studies Supervision (Graduate)

Master's Students

Leah Paquette, San Diego State University, Kinesiology-Applied Movement Science (Spring 2017)

Adam Schmaltz, San Diego State University, Kinesiology-Applied Movement Science (Fall 2016-Spring 2017)

Cathrine Gennert Jakobsson, San Diego State University, Kinesiology-Applied Movement Science (Fall 2016)

Joshua Koeplin-Day, San Diego State University, Kinesiology (Spring 2015)

Brice Rosby, San Diego State University, Kinesiology (Spring 2015)

Benedikt Mündle, Swiss Federal Institute of Technology, Health Science and Technology (Fall 2014)

PhD Student

Alexandre Severo do Pinho, Federal University of Health Sciences of Porto Alegre (Summer 2017-Fall 2017)

Doctor of Physical Therapy Student

Kendra Sin, San Diego State University, DPT (Fall 2017-Spring 2018)

Independent Studies Supervision (Undergraduate)

Jake Pham (Fall 2018-Spring 2019)

Katie Shigemoto (Fall 2018-Spring 2019)

Lam Bui (Fall 2018-Spring 2019)

Kim Tsuda, San Diego State University, Kinesiology (Fall 2017-Spring 2019)

Edgar Ramirez, San Diego State University, Bioengineering (Fall 2016-Spring 2017)

Kevin Albano, San Diego State University, Kinesiology (Fall 2016-Spring 2017)

Rene Krause, German Sports University Cologne (Summer 2016)

Brianna Swanson*, San Diego State University, Kinesiology (Fall 2015)

**Undergraduate Research Excellence Award at the 2016 SDSU Student Research Symposium*

Chelsea Sanscartier, San Diego State University, Kinesiology (Fall 2014)

Miller Westfall, San Diego State University, Kinesiology (Fall 2013)

Certification

Michigan Teaching Fellow Certification (Preparing Future Faculty Seminar), 2006

SERVICE (selected)

Service for the University

1. Co-Founder and Board Member, SDSU Adapted Athletics Program, 2018-present
2. Advisor, Aztec Adaptive Sports, SDSU Recognized Student Organization (2016-present)*
*Co-Principal Investigator for SDSU **President's Leadership Fund** (\$5000). Aim: To build a university-based adaptive sports program for health promotion and wellness of disabled students (Spring 2016)
3. Faculty Interviewer, Fulbright US Student Program (2016-2018)
4. Judge, SDSU Student Research Symposium (2014-2016, 2018)
5. Co-advisor, Future Physical Therapists Organization, SDSU Recognized Student Organization (2015-2016)

Service for the Profession

1. Contributor, APTA Neurology Section Research in Review (2010-present)
2. Co-Presenter, San Diego District California Physical Therapy Association Presentation: Overground Bionic Ambulation: Research to Clinical Practice (2015)
3. Reviewer, California Physical Therapy Association California Student Conclave Resume & Cover Letter Review (2014)

Service for the Scientific Community

Peer-review Activities

1. Associate Editor, Transactions on Neural Systems & Rehabilitation Engineering (2019-present)
2. Proposal Reviewer, Paralyzed Veterans of America, Fellowships (2017), Clinical/Design and Development (2018), Education (2019)
3. Abstract Reviewer, Academy of Neurologic Physical Therapy, American Physical Therapy Association Combined Sections Meeting (2014-2019)
4. Proposal Reviewer, Foundation for Polish Science, First Team Programme (2016)
5. Proposal Reviewer, The Netherlands Organisation for Health Research and Development (ZonMw) Translational Research Programme (2014)
6. Abstract Reviewer, Canadian Society of Biomechanics (2012)
7. Judge, Best Student Poster Presentation Award, Northwest Biomechanics Symposium (2011)
8. Proposal Reviewer, Nicholas Leoni Endowment Fund Grant (2011)

Ad hoc Manuscript Reviewer

1. Archives of Physical Medicine and Rehabilitation (2015-2016, 2018)
2. Journal of Neuroengineering and Rehabilitation (2015-2018)
3. Human Movement Science (2018)
4. Medical Devices: Evidence and Research (2016)
5. Current Pharmaceutical Design (2016)
6. Frontiers in Systems Neuroscience (2015)