



Curriculum Vitae

Gustavo J. M. Almeida, PT, PhD
 Research Assistant Professor
 Department of Physical Therapy
 School of Health and Rehabilitation Sciences
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EDUCATION AND TRAINING

Graduate

2007 to 2015	University of Pittsburgh, Pittsburgh, PA, United States	Ph.D, 2015	Rehabilitation Sciences
2003 to 2005	Universidade Federal de Sao Paulo (UNIFESP), Sao Paulo, SP, Brazil	M.S., 2005	Medical Sciences
2002	Universidade Federal de Sao Paulo (UNIFESP), Sao Paulo, SP, Brazil	Specialization, 2002	Sports Medicine and Orthopedics Rehabilitation

Fellowship / Residency

2004	Visiting Scholar – Department of Physical Therapy, University of Pittsburgh, Pittsburgh, PA, USA		Sports Medicine and Orthopedics Rehabilitation
2002 to 2003	Residency - Cohen’s Institute: Orthopedics, Rehabilitation and Sports Medicine, Sao Paulo, SP, Brazil		Sports Medicine and Orthopedics Rehabilitation

Undergraduate / Graduate

1997 to 2001	Centro Universitario do Triangulo (UNITRI), Uberlandia, MG, Brazil	B.S., 2001	Physical Therapy
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APPOINTMENTS AND POSITIONS

Academic

2015 to present	University of Pittsburgh, Department of Physical Therapy, Pittsburgh, PA	Research Assistant Professor
2010 to 2015	University of Pittsburgh, Department of Physical Therapy, Pittsburgh, PA	Research Physical Therapist
2007 to 2009	University of Pittsburgh, Department of Physical Therapy, Pittsburgh, PA	Graduate Student Researcher
2003 to 2006	Universidade Sao Marcos, Sao Paulo, SP, Brazil	Visiting Professor
2003 to 2006	Brazilian Cochrane Centre, Sao Paulo, SP, Brazil	Research Assistant

Non-Academic

2003 to 2006 Cohen's Institute – Orthopedics, Rehabilitation and Sports Staff Physical Therapist and
Medicine, Sao Paulo, SP, Brazil Clinical Mentor

Reviewer

2014 to present Arthritis Care & Research
2014 to present Plos One
2013 to 2016 International Conference on Biomedical Engineering and Biotechnology
2013 to present Open Journal of Therapy and Rehabilitation
2012 to present Rheumatology International (Clinical and Experimental Investigations)
2010 to present McMaster Online Rating of Evidence System
2009 to present Archives of Physical Medicine and Rehabilitation

Consultative and Advisory Positions

2003 to 2006 Advisory Committee and Clinical Mentor. *Orthopedic and Traumatology Rehabilitation Residency Program*. Sao Marcos University in partnership with Cohen's Institute, Sao Paulo, SP, Brazil

CERTIFICATION AND LICENSURE

Licensed PT (2002-present) Conselho Regional de Fisioterapia e Terapia Ocupacional da 5ª regio – Brazil

Professional Memberships

2017-present Pennsylvania Physical Therapy Association
2014-present American Physical Therapy Association
2014-present Association of Rheumatology Health Professionals

HONORS

2017 Elite Reviewer for the *Archives of Physical Medicine and Rehabilitation*
2017 Top reviewer across Health Professionals at the University of Pittsburgh, *Publons Peer Review Awards*
2012 Rehabilitation Institute Research Day Honorable Mention, University of Pittsburgh
2011 SHRS Student Advisory Board Poster Competition Winner, University of Pittsburgh
2011 Rehabilitation Institute Research Day Honorable Mention, University of Pittsburgh
2010 SHRS Poster Week Honorable Mention as a Graduate Researcher, University of Pittsburgh
2009 Dean's Interdisciplinary Research Award, University of Pittsburgh
2000 Distinguished Graduate Student, Centro Universitario do Triangulo (UNITRI), Uberlandia, MG, Brazil
1999 Distinguished Graduate Student, Centro Universitario do Triangulo (UNITRI), Uberlandia, MG, Brazil

PUBLICATIONS

Peer-reviewed Articles

1. **Almeida GJ**, Khoja SS, Piva SR. Physical activity after total joint arthroplasty: a narrative review. *Open Access Journal of Sports Medicine*. 2018 (in press)
2. Brach JS, **Almeida GJ**, Perera S, Hergenroeder A, Kotlarczyk M, Gibbs BB. The Role of the Environment on Sedentary Behavior in Community-Dwelling Older Adults. *J Hous Elderly*. 2018 (in press)
3. **Almeida GJ**, Terhorst L, Irrgang JJ, Fitzgerald G, Jakicic JM, Piva SR. Responsiveness of physical activity measures following exercise programs in individuals after total knee arthroplasty. *J Exerc Sports Orthop*. 2017. December 06; 4(3):1-8.
4. Piva SR, **Almeida GJ**, Gil AB, DiGioia A, Helsel D, Sowa G. Effect of Comprehensive Behavioral and Exercise Intervention on Physical Function and Activity Participation After Total Knee Replacement: A Pilot Randomized Study. *Arthritis Care Res*. 2017. 69(12):1855-1862.

5. **Almeida GJ**, Irrgang JJ, Fitzgerald GK, Jakicic JM, Piva SR. Reliability of physical activity measures during free-living in individuals after total knee arthroplasty. *Phys Ther*. 2016; 96(6):898-907.
6. Khoja SS, **Almeida GJ**, Wasko MC, Terhorst L, Piva SR. Light Intensity Physical Activity is Associated with Lower Cardiovascular Risk Factor Burden in Rheumatoid Arthritis. *Arthritis Care Res*. 2016; 68(4):424-31
7. Piva SR, Farrokhi S, **Almeida GJ**, Fitzgerald GK, Levison TJ, DiGioia AM III. Dose-associated changes in gait parameters in response to exercise programs after total knee arthroplasty: Secondary analysis of two randomized studies. *Int J Phys Med Rehabil*. 2015. 3(6):1-7.
8. Piva SR, Moore CG, Schneider M, Gil AB, **Almeida GJ**, Irrgang JJ. A randomized trial to compare exercise treatment methods for patients after total knee replacement: protocol paper. *BMC Musculoskelet Disord*. 2015; 16(1):303
9. **Almeida GJ**, Wert DM, Brower KS, Piva SR. Validity of physical activity measures in individuals after total knee arthroplasty. *Arch Phys Med Rehabil* 2015; 96(3):524-31.
10. Piva SR, Lasinski SL, **Almeida GJ**, Fitzgerald GK, Delitto A. Association between Psychosocial Factors and Dose of Neuromuscular Electrical Stimulation in Subjects with Rheumatoid Arthritis. *Physiotherapy Practice Res* 2013; 34: 57-66.
11. Taylor PE, **Almeida GJ**, Hodgins JK, Kanade T. Multi-Label Classification for the Analysis of Human Motion Quality. *Conf Proc IEEE Eng Med Biol Soc* 2012; 2012: 2214-8.
12. Nakama GY, Peccin MS, **Almeida GJ**, Lira Neto ODA, Queiroz AAB, Navarro RD. Cemented, cementless or hybrid fixation options in total knee arthroplasty for osteoarthritis and other non-traumatic diseases. *Cochrane Database of Syst Rev* 2012, Oct 10. CD006193. DOI: 10.1002/14651858.
13. Imoto AM, Peccin S, **Almeida GJ**, Saconato H, Atallah AN. Effectiveness of electrical stimulation on rehabilitation after ligament and meniscal injuries: a systematic review. *Sao Paulo Med J* 2011; 129(6): 414-23.
14. Piva SR, Teixeira PE, **Almeida GJ**, Gil AB, DiGioia AM 3rd, Levison TJ, Fitzgerald GK. Contribution of Hip Abductor Strength to Physical Function in Patients with Total Knee Arthroplasty. *Phys Ther* 2011; 91(2): 225-33.
15. **Almeida GJ**, Wasko MC, Jeong K, Moore CG, Piva SR. Physical Activity Measured by the SenseWear Armband in Women with Rheumatoid Arthritis. *Phys Ther* 2011; 91(9): 1367-76.
16. Taylor PE, **Almeida GJ**, Kanade T, Hodgins JK. Classifying human motion quality for knee osteoarthritis using accelerometers. *Conf Proc IEEE Eng Med Biol Soc* 2010; 1:339-43.
17. **Almeida GJ**, Schroeder CA, Gil AB, Fitzgerald GK, Piva SR. Interrater reliability and validity of the stair ascend/descend test in subjects with total knee arthroplasty. *Arch Phys Med Rehabil* 2010; 91(6): 932-8.
18. Silva KN, Mizusaki Imoto A, **Almeida GJ**, Atallah AN, Peccin MS, Fernandes Moça Trevisani V. Balance training (proprioceptive training) for patients with rheumatoid arthritis. *Cochrane Database Syst Rev* 2010 May 12; 5:CD007648.
19. Piva SR, Gil AB, **Almeida GJ**, DiGioia AM 3rd, Levison TJ, Fitzgerald GK. A balance exercise program appears to improve function for patients with total knee arthroplasty: a randomized clinical trial. *Phys Ther* 2010; 90(6):880-94.
20. Piva SR, **Almeida GJ**, Wasko MC. Association of physical function and physical activity in women with rheumatoid arthritis. *Arthritis Care Res* 2010; 62(8): 1144-51.
21. Piva SR, Childs JD, Klucinec BM, Irrgang JJ, **Almeida GJ**, Fitzgerald GK. Patella fracture during rehabilitation after bone-patellar tendon-bone anterior cruciate ligament reconstruction: 2 case reports. *J Orthop Sports Phys Ther* 2009; 39(4): 278-86.
22. Silva A, **Almeida GJ**, Cassilhas RC, Cohen M, Peccin MS, Tufik S, Mello MT. Balance, Coordination and Agility of Older Individuals Submitted to Physical Resisted Exercises Practice. *Rev Bras Med Esporte* 2008; 14(2): 88-93.
23. Nigri PZ, Peccin MS, **Almeida GJ**, Cohen M. Translation, validation and cultural adaptation of the 'activities of daily living' scale (ADLS). *Acta Ortop Bras* 2007; 15(2): 101-104.
24. Gonçalves CCK, Peccin MS, **Almeida GJ**, Cohen M. Translation, validation and cultural adaptation of the "sports activities scale". *Acta Orto. Bras* 2007; 15(5): 246-250.
25. Peccin MS, **Almeida GJ**, Amaro J, Cohen M, Soares BG, Atallah AN. Interventions for treating posterior cruciate ligament injuries of the knee in adults. *Cochrane Database Syst Rev* 2005 Apr 18; (2):CD002939.

26. Paula GM, Paula VRM, **Almeida GJ**, Machado VEI, Barauna MA, Bevilaqua-Grosso D. Correlação entre a dor anterior do joelho e a medida do ângulo Q por intermédio da Fotometria Computadorizada. *Rev Bras Fisiot* 2004; 8(1): 39-43.

Manuscripts submitted (under review)

Piva SR, Moore CG, Catelani MB, Schneider M, Gil AB, Irrgang JJ, Almeida GJ, Khoja SS, Klatt BA, DiGioia A, Sowa G. Randomized Trial on Exercise at Late-Stage after Total Knee Replacement. *NEJM* 2018.

Patterson PD, et al. Impact of shift duration on alertness among air-medical emergency care clinicians. *Emerg Med J* 2017.

Manuscripts in preparation

- Dose-response of neuromuscular electrical stimulation on muscle function in patients with rheumatoid arthritis
- Surgery for acromioclavicular osteoarthritis – Systematic Review;
- Investigation of parameters used to test quadriceps muscle power using isokinetic dynamometer in arthritis;

Invited Publications:

- Book Chapters:

Peccin MS, **Almeida GJ**, Cohen M. Functional Rehabilitation of Traumatic Knee Injuries. In: Sizinio H. *Ortopedia e Traumatologia: Princípios e Práticas*. 5 ed. Porto Alegre: Artmed, 2016, p. 1451-78. Brazil

Cohen M, **Almeida GJ**, Peccin MS. Proprioception Assessment. In: Greve JMA. *Tratado de Medicina de Reabilitação*. São Paulo: Editora Roca Ltda, 2005. Brazil

Almeida GJ, Peccin MS, Cohen M. Stress and Musculoskeletal-related Pain. In: Lipp MEN. *Mecanismos Neuropsicofisiológicos do Stress: Teoria e Aplicações*. 1 ed. São Paulo: Casa do Psicólogo, 2003, v. 1, p. 1-227. Brazil

- Technical support (translation from English to Portuguese):

Kolt GS, Snyder-Mackler L. *Physical Therapies in Sport and Exercise*. Sao Paulo: Revinter, 2008. Brazil.

Atallah AN, Soares BGO, Peccin MS, Cohen M. *Systematic Reviews and Meta-analyses in Orthopedics*. Sao Paulo: Lopo, 2004. Brazil.

Abstracts in Conference Proceedings

Almeida GJ, Khoja SS, Piva SR. Dose-response of neuromuscular electrical stimulation on muscle function in patients with rheumatoid arthritis. *J Orthop Sports Phys Ther*. 2018 (in press)

Almeida GJ, Irrgang JJ, Piva SR. Responsiveness of physical activity measures following exercise programs in individuals after total knee arthroplasty. *Arthritis Rheum*. 2015; 67 Suppl 10: S1089.

Almeida GJ, Irrgang JJ, Piva SR. Reliability of physical activity measures during free-living in individuals with knee osteoarthritis. *J Orthop Sports Phys Ther*. 2015; 45(1):A188.

Khoja S, **Almeida GJ**, Wasko MC, Piva SR. Physical Activity in Adults with Arthritis and its Contribution to Health Outcomes. *J Orthop Sports Phys Ther*. 2015; 45(1):A186.

Almeida GJ, Khoja S, Catelani M, Piva SR. Perceived barriers to exercise reported by older adults after total knee replacement. *J Orthop Sports Phys Ther*. 2014; 14(1):A145

Catelani MB, Khoja SS, **Almeida GJ**, Piva SR. Investigation of parameters used to test quadriceps muscle power using isokinetic dynamometer in arthritis. *Arthritis Rheum* 2014; 66 Suppl 10: S1015.

Piva SR, Catelani MB, **Almeida GJ**. Comprehensive Behavioral Intervention Compared to Standard of Care Exercise Program after Total Knee Arthroplasty: A Pilot Randomized Trial. *Arthritis Rheum* 2013; 65 Suppl 10: 356.

Almeida GJ, Piva SR. Physical Activity Behavior in Patients with Arthritis. *Arthritis Rheum* 2013; 65 Suppl 10: 354-355.

Matthews JT, **Almeida GJ**, Schlenk EA, Simmons R, Taylor P, Silva RR. Usability of a Virtual Coach System for Therapeutic Exercise for Osteoarthritis of the Knee. *In: IROS Workshop on Motivational Aspects of Robotics in Physical Therapy*, Vilamoura, Portugal, October 2012.

Taylor PE, **Almeida GJ**, Hodgins JK, Kanade T. Multi-Label Classification for the Analysis of Human Motion Quality. *Conf Proc IEEE Eng Med Biol Soc* 2012; 2012: 2214-8.

Das S, Taylor P, Trutoiu L, Nguyen MH, **Almeida GJ**, Hodgins J, De la Torre F. Monitoring Human Performance with Wearable Accelerometers. *In: CPS PI Meeting*, National Harbor, MD, 2011.

Khoja SS, **Almeida GJ**, Goodpaster BH, Piva SR. Muscle Area and Muscle Quality Relate to Physical Activity in Subjects with Rheumatoid Arthritis. [abstract]. *Arthritis Rheum* 2011; 63 Suppl 10: 1560.

Almeida GJ, Piva SR. Associations between Changes in Physical Function and Physical Activity in Response to an Exercise Program in Patients with Rheumatoid Arthritis. [abstract]. *Arthritis Rheum* 2011; 63 Suppl 10: 1561.

Almeida GJ, Brower KS, Celik D, Chang HC, Piva SR. Validity of Portable Devices To Assess Physical Activity in Patients with Total Knee Arthroplasty. [abstract]. *Arthritis Rheum* 2010; 62 Suppl 10: 2061.

Maia Neto FJ, **Almeida GJ**, Fitzgerald GK, Piva SR. The Effect of an Exercise Program in Gait Asymmetry in Patients after Total Knee Arthroplasty. [abstract]. *Arthritis Rheum* 2010; 62 Suppl 10: 2059.

Taylor PE, **Almeida GJ**, Kanade T, Hodgins JK. Classifying human motion quality for knee osteoarthritis using accelerometers. *Conf Proc IEEE Eng Med Biol Soc* 2010; 1: 339-43.

Almeida GJ, Wasko MC, Jeong K, Moore CG, Piva SR; Number of Days Necessary to Wear Portable Activity Monitors in Patients with Rheumatoid Arthritis [abstract]. *Arthritis Rheum* 2009; 60 Suppl 10: 1862.

Piva SR, **Almeida GJ**, Murphy Y, Wasko MC; Association of Physical Function and Disability with Physical Activity in Women with Rheumatoid Arthritis [abstract]. *Arthritis Rheum* 2009; 60 Suppl 10: 1976.

Piva SR., Strudle N, **Almeida GJ**, Wasko MC, Fitzgerald GK, Delitto A; Associates of Tolerance to Neuromuscular Electrical Stimulation in Rheumatoid Arthritis [abstract]. *Arthritis Rheum* 2009; 60 Suppl 10: 1134

Almeida GJ, Wasko MC, Kilby LL, Penn SK, Smith JL, Jakicic JM, Piva SR. Physical Activity Measured by SenseWear Armband in Women with Rheumatoid Arthritis: a Pilot Study. *J Orthop Sports Phys Ther* 2009; 39 (1): A25.

Teixeira PEP, Gil AB, **Almeida GJ**, Piva SR. Reliability and Validity of Hip Muscle Strength Measures after Total Knee Arthroplasty. *J Orthop Sports Phys Ther* 2009; 39 (1): A28.

Almeida GJ, Gil AB, Fitzgerald GK, Piva SR. Asymmetries in Physical Impairments and Spatial-Temporal Parameters of Gait in Total Knee Arthroplasty. *J Orthop Sports Phys Ther* 2009; 39 (1): A48.

Piva SR, **Almeida GJ**, Gil AB, Teixeira PEP, Fitzgerald GK. Effectiveness and Feasibility of a Balance Training Program Post Total Knee Arthroplasty -Pilot Randomized Trial. *J Orthop Sports Phys Ther* 2009; 39 (1): A29-30.

Teixeira PEP, Fitzgerald GK, Gil AB, **Almeida GJ**, Piva SR. Association Between Hip Muscles Strength and Physical Function in Individuals with Total Knee Arthroplasty. *Arthritis and Rheumatism* 2008; 58 (9): S892 - 1977.

Piva SR, Gil AB, **Almeida GJ**, Fitzgerald GK. Improvements in Muscle Impairments are Associated with Improvement in Physical Function in Patients with Total Knee Arthroplasty. *Arthritis and Rheumatism* 2008; 58 (9): S596 - 1151.

Almeida GJ, Wasko MC, Kilby LL, Smith JL, Jakicic JM, Piva SR. Physical Activity Measured by SenseWear Armband in Women with Rheumatoid Arthritis: a Feasibility Study. *Arthritis and Rheumatism* 2008; 58 (9): S607 - 1181.

Almeida GJ, Piva SR, Kilby LL, Penn SK, Wasko MC. Factors Associated with Physical Activity in Women with Rheumatoid Arthritis. *Arthritis and Rheumatism* 2008; 58 (9): S607 - 1181.

Mayer A, **Almeida GJ**, Peccin MS, Cohen M. Non-instrumented assessment of the ankle joint. *In: 15th South Brazilian Congress of Orthopedics and Traumatology (SULBRA)*. Gramado, RS, Brazil, 2007.

Silva A, **Almeida GJ**, Cassilhas RC, Cohen M, Peccin MS, Tufik S, Mello MT. Balance, Coordination and Agility of Older Individuals Submitted to Physical Resisted Exercises Practice. In: 22nd FeSBE Annual Meeting. Aguas de Lindoia, SP, Brazil, 2007.

Blanco LS, Cohen M, Blanco JJ, Peccin MS, **Almeida GJ**. Effectiveness of plyometric training to improve functional performance on upper extremities. In: 10th International Congress of Shoulder and Elbow Surgery. p 169. Costa do Sauipe, BA, Brazil, 2007.

Andrade AM, Portnoi P, **Almeida GJ**, Peccin MS, Cohen M. The effect of functional braces in the sensorimotor response in the knee joint. *Fisioterapia e Pesquisa* 2006; 13(2): 29.

TEACHING/MENTORING

Teaching

2016 to present	Guest Lecturer HRS 2774: Rehabilitation Biomechanics for the Health Care Professions: <i>Master of Science in Prosthetics and Orthotics Program</i> . Department of Rehabilitation Science and Technology, University of Pittsburgh
2015 to present	Course Director / Instructor REHSCI 1220: Kinesiology & Biomechanics. <i>Undergraduate Program in Rehabilitation Sciences</i> . School of Health and Rehabilitation Sciences, University of Pittsburgh
2014 to present	Course Director / Instructor HRS 2771: Functional Anatomy and Kinesiology. <i>Master of Science in Prosthetics and Orthotics Program</i> . Department of Rehabilitation Science and Technology, University of Pittsburgh
2014 to present	Guest Lecturer REHSCI 1292: Diversity and Cultural Issues in Health, Disability and Rehabilitation. <i>Undergraduate Program in Rehabilitation Sciences</i> . School of Health and Rehabilitation Sciences, University of Pittsburgh
2008 to 2015	Teaching Assistant and Fellow REHSCI 1285: Introduction to Evidence-Based Rehabilitation. <i>Rehabilitation Sciences Program</i> . School of Health and Rehabilitation Sciences, University of Pittsburgh
2003 to 2006	Instructor and Clinical Mentor Orthopedics and Traumatology Rehabilitation. <i>Residency/Specialization Program</i> . Sao Marcos University, Sao Paulo, SP, Brazil
2003 to 2006	Instructor and Clinical Mentor Sports Medicine and Orthopedics Rehabilitation. <i>Residency/Specialization Program</i> . Federal University of Sao Paulo, Sao Paulo, SP, Brazil
2000 to 2001	Teaching fellow Orthopedics and Traumatology Rehabilitation. <i>Physical Therapy Program</i> . Centro Universitario do Triangulo, Uberlandia, MG, Brazil
1998 to 2000	Teaching fellow Anatomy and Neuroanatomy. <i>Physical Therapy Program</i> . Centro Universitario do Triangulo, Uberlandia, MG, Brazil

SCIENTIFIC PRESENTATIONS

Peer Reviewed Conference Presentations

Rate of physical therapy referral and lifestyle counseling by physicians for the treatment of lower extremity osteoarthritis: Cross-sectional Analysis of the National Ambulatory Care Survey (2007-2014). *Center on Health Services Training and Research (CoHSTAR) Annual Meeting - Quality Strategies in Rehabilitation: Advancing Health Services Research*. Boston, MA. April 2018.

Dose-response of neuromuscular electrical stimulation on muscle function in patients with rheumatoid arthritis. *Combined Sections Meeting*. New Orleans, LA. February 2018.

Responsiveness of physical activity measures following exercise programs in individuals after total knee arthroplasty. *American College of Rheumatology Annual Scientific Meeting*, San Francisco, November 2015.

Reliability of physical activity measures during free-living in individuals with knee osteoarthritis. *Combined Sections Meeting* Indianapolis, IN. February 2015.

Comprehensive Behavioral Intervention Compared to Standard of Care Exercise Program after Total Knee Arthroplasty: A Pilot Randomized Trial. *American College of Rheumatology Annual Scientific Meeting*, San Diego, November 2013.

Physical Activity Behavior in Patients with Arthritis. *American College of Rheumatology Annual Scientific Meeting*, San Diego, CA. November 2013.

Usability of a Virtual Coach System for Therapeutic Exercise for Osteoarthritis of the Knee. *International Conference on Intelligent Robots and Systems*, Vilamoura, Algarve [Portugal]. October 2012.

Associations between Changes in Physical Function and Physical Activity in Response to An Exercise Program in Patients with Rheumatoid Arthritis. *American College of Rheumatology Annual Scientific Meeting*, Chicago, IL. November 2011.

Validity of Portable Devices to Assess Physical Activity in Patients with Total Knee Arthroplasty. *American College of Rheumatology Annual Scientific Meeting*, Atlanta, GE. November 2010.

Number of Days Necessary to Wear Portable Activity Monitors in Patients with Rheumatoid Arthritis. *American College of Rheumatology Annual Scientific Meeting*, Philadelphia, PA. November 2009.

Physical Activity Measured by SenseWear Armband in Women with Rheumatoid Arthritis: a Pilot Study. *Combined Sections Meeting of the American Physical Therapy Association*, Las Vegas, NV. February 2009.

Asymmetries in Physical Impairments and Spatial-Temporal Parameters of Gait in Total Knee Arthroplasty. *Combined Sections Meeting of the American Physical Therapy Association*, Las Vegas, NV. February 2009.

Physical Activity Measured by SenseWear Armband in Women with Rheumatoid Arthritis: a Feasibility Study. *American College of Rheumatology Annual Scientific Meeting*, San Francisco, CA. October 2008.

Factors Associated with Physical Activity in Women with Rheumatoid Arthritis. *American College of Rheumatology Annual Scientific Meeting*, San Francisco, CA. October 2008.

Grading Evidence of Orthopedics Rehabilitation Publications. *3rd World Congress of the International Society of Physical and Rehabilitation Medicine*. São Paulo, SP, Brazil, 2005

Systematic Review or Meta-analysis: What to do and how to know its quality in Orthopedics? *3rd World Congress of the International Society of Physical and Rehabilitation Medicine*. São Paulo, SP, Brazil. 2005

Grading Evidence of Orthopedics Publications. *3rd World Congress of the International Society of Physical and Rehabilitation Medicine*. São Paulo, SP, Brazil. 2005

The Role of Specific Balance, Proprioceptive and Neuromuscular Training after Knee Injuries. *Congresso Brasileiro de Ortopedia e Traumatologia*. Rio de Janeiro, RJ, Brazil. 2004.

Assessment of the Biceps Femoris, Adductor Longus, and Soleus Muscles with EMG, Pre and Post Global Postural Reeducation. *12th Encontro de Fisioterapia do Triangulo*. Uberlandia, MG, Brazil. 2001.

Other

Master of Science Thesis: Specific Balance, Proprioceptive and Neuromuscular Training After Knee Injuries – Systematic Review. UNIFESP, Sao Paulo, SP, Brazil, 2005.

Invited Presentations

- 2016 “Psychometrics of tools to measure physical activity in individuals with knee osteoarthritis”. CAPH Epidemiology of Aging Workshop Course: EPIDEM 2950, University of Pittsburgh. Pittsburgh, PA.
- 2009 “Why should we measure physical activity in physical therapy?”. PT Rounds, University of Pittsburgh. Pittsburgh, PA.
- 2008 “Functional Rehabilitation post Total Knee Arthroplasty”. International Symposium of Knee Surgery of the “Cohen Institute of Orthopedic, Sports Medicine and Rehabilitation”. Sao Paulo, SP, Brazil.

- 2008 “Measuring Physical Activity in Women with Rheumatoid Arthritis”. International Symposium of Knee Surgery of the “Cohen Institute of Orthopedic, Sports Medicine and Rehabilitation”. Sao Paulo, SP, Brazil.
- 2005 “Evidence-based Medicine”. 16th Physical Therapy Brazilian Congress. Sao Paulo, SP, Brazil.
- 2005 “Sensorimotor Assessment and Training”. 36th National Meeting on Physical Activity. Pocos de Caldas, MG, Brazil.
- 2005 “Systematic Review and Meta-analysis”. Master of Science Program in Internal Medicine. Federal University of Sao Paulo, SP, Brazil.
- 2004 “The role of the Sensorimotor Training in Preventing Injuries and Athletic Performance”. 10th Brazilian Congress on Knee Surgery. 11th Brazilian Congress on Arthroscopy. Iguacu Falls, PR, Brazil.
- 2004 Moderator for the Section “Patellofemoral, Meniscus and Cartilage Injuries at the Knee and Ankle”. 10th Brazilian Congress on Knee Surgery. 11th Brazilian Congress on Arthroscopy.
- 2004 “Sensorimotor Assessment and Training – Theory”. 36th Encontro Nacional de Atividade Fisica. Pocos de Caldas, MG, Brazil.
- 2003 “Applied Physical Therapy in Orthopedics and Traumatology – Sports Injuries”. 36th Encontro Nacional de Atividade Fisica. Pocos de Caldas, MG, Brazil.
- 2002 “Physical Therapy for the Hip and Knee Cartilage Injuries”. 3rd Encontro Gaucho de Fisioterapia. Porto Alegre, RS, Brazil.
- 2002 “Physical Therapy for the Sports-related Ligament Injuries”. 3rd Encontro Gaucho de Fisioterapia. Porto Alegre, RS, Brazil.

Awarded Grants to Foster Research in Rehabilitation

- 2017 Seed Grant Program - Aging, Disability and Rehabilitation (PI) (\$49,122)
 Aging Institute of UPMC Senior Services and the University of Pittsburgh
 University of Pittsburgh Department of Physical Medicine and Rehabilitation
 University of Pittsburgh School of Health and Rehabilitation Sciences
 Central Research Development Fund (PI) (\$15,838)
 Office of Research - University of Pittsburgh
Associations between physical activity participation and inflammatory biomarkers in individuals with lumbar spinal stenosis – a secondary data analysis
- 2012 SHRS Research Development Fund (PI) (\$1,000)
 School of Health and Rehabilitation Sciences, University of Pittsburgh
Reliability and responsiveness of physical activity measures in patients after total knee arthroplasty
- 2011 Pittsburgh Clinical and Translational Science Institute/ Pepper Center Pilot (PI) (\$5,750)
 University of Pittsburgh Medical Center
Reliability and responsiveness of physical activity measures in patients after total knee arthroplasty
- 2011 Combined Funding from 2 sources:
 SHRS Travel Award (\$200)
 School of Health and Rehabilitation Sciences, University of Pittsburgh
 GPSA Travel Award (\$200)
 Graduate and Professional Student Assembly, University of Pittsburgh
Associations between changes in physical function and physical activity in response to an exercise program in patients with rheumatoid arthritis
- 2010 Combined Funding from 2 sources:
 Bruce Baker Education Travel Award (\$500)
 School of Health and Rehabilitation Sciences, University of Pittsburgh
 GPSA Travel Award (\$200)
 Graduate and Professional Student Assembly, University of Pittsburgh

Validity of portable devices to assess physical activity in patients with total knee arthroplasty

2009 GPSA Travel Award (\$200)

Graduate and Professional Student Assembly, University of Pittsburgh

Asymmetries in physical impairments and spatial-temporal parameters of gait in total knee arthroplasty.

2009 SHRS Travel Award (\$200)

School of Health and Rehabilitation Sciences, University of Pittsburgh

Number of days necessary to wear portable activity monitors in patients with rheumatoid arthritis

2008 Bruce Baker Education Travel Award (\$500)

School of Health and Rehabilitation Sciences, University of Pittsburgh

Physical activity measured by sensewear armband in women with rheumatoid arthritis: a feasibility study

2008 SHRS Travel Award (\$200)

School of Health and Rehabilitation Sciences, University of Pittsburgh

Factors associated with physical activity in women with rheumatoid arthritis