

Curriculum Vita

Abbey C. Thomas, PhD, ATC (Abbey Fenwick)

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EDUCATION

Post-Doctoral Fellowship	University of Colorado Anschutz Medical Campus, Aurora, CO Physical Therapy Program
Doctor of Philosophy	University of Michigan, Ann Arbor, MI Major Area: Kinesiology Conferred: December 2010 Dissertation: <i>Muscle Dysfunction Following ACL Injury and Reconstruction</i>
Master of Education	University of Virginia, Charlottesville, VA Major Area: Kinesiology, Sports Medicine/Athletic Training Conferred: August 2006 Thesis: <i>Corticosteroid and Hyaluronic Acid Injections in the Treatment of Knee Osteoarthritis in Men and Women</i>
Bachelor of Science	Pennsylvania State University, University Park, PA Major Area: Kinesiology, Athletic Training Conferred: May 2005 Schreyer Honors College Thesis: <i>The Effects of Hyaluronic Acid Injections on Pain, Stiffness, and Disability Associated With Knee Osteoarthritis: A Meta-Analysis</i>

PROFESSIONAL EXPERIENCE

Assistant Professor of Kinesiology	<i>August 2014-present</i>
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University of North Carolina at Charlotte, Charlotte, NC
Responsibilities include instruction of students in the university's kinesiology program. Additional responsibilities include contributing to scholarship and service at the university.

Assistant Professor of Kinesiology and Orthopedic Surgery *August 2012-July 2014*
University of Toledo, Toledo, OH

Responsibilities included instruction of students in the university's kinesiology program. Additional responsibilities included contributing to scholarship and service at the university.

Graduate Student Instructor *September 2006-April 2010*
University of Michigan, Ann Arbor, MI

Responsibilities included instruction of students in the university's accredited undergraduate athletic training program.

Per Diem Athletic Trainer
University of Michigan MedSport, Ann Arbor, MI *September 2007-May 2010*

Chelsea Community Hospital, Chelsea, MI *September 2006- December 2009*

Graduate Assistant Athletic Trainer *August 2005-May 2006*
University of Virginia, Charlottesville, VA

Responsibilities included providing athletic training services to NCAA Division I teams, supervision and mentoring of undergraduate sports medicine students, and instruction of undergraduate sports medicine in-services.

Undergraduate Teaching Assistant *August 2004-May 2005*
Pennsylvania State University, University Park, PA

TEACHING

University of North Carolina at Charlotte, Department of Kinesiology, Charlotte, NC
KNES 2296 Evidence Based Practice
KNES 3291/2 Therapeutic Modalities

University of Toledo, Department of Kinesiology, Toledo, OH
KINE 3630 Therapeutic Modalities for Athletic Trainers
KINE 3660 Rehabilitation of Athletic Injuries
KINE 4640 Neurological and Pathological Foundations of Rehabilitation
KINE 6/8130 Biomechanics of Human Motion
KINE 6/8200 Biomechanical Instrumentation
KINE 6/8930 Anatomical Concepts for Clinic

University of Michigan, School of Kinesiology, Ann Arbor, MI
AT 212 Clinical Evaluation of Upper Extremity Athletic Injuries Lab
AT 217 Clinical Evaluation of Lower Extremity Athletic Injuries Lab
AT 310 Applied Human Anatomy and Physiology Lab
AT 362 Rehabilitation of Athletic Injuries Lab
AT 363 Advanced Prevention and Care of Athletic Injuries Lab

Pennsylvania State University, Department of Kinesiology, University Park, PA
KINES 231/2 Athletic Training Clinical Practice I/II (undergraduate teaching assistant)

SCHOLARSHIP

PUBLISHED MANUSCRIPTS

Terada M, Bowker S, Hiller CE, **Thomas AC**, Pietrosimone B, Gribble PA. Using a modified classification system of chronic ankle instability to quantify levels of function. *In Review*.

Shah S, **Thomas AC**, Noone J, Blanchette C, Wikstrom EA. Incidence and cost of ankle sprains in the United States emergency departments. *In Review*.

Thomas AC and Palmieri-Smith RM. Lateral subchondral bone contusions associated with ACL injury do not alter knee frontal plane biomechanics. *In Review*.

Thomas AC, Hubbard-Turner T, Wikstrom EA, Palmieri-Smith RM. Epidemiology of post-traumatic osteoarthritis. *In Press. J Athl Train*.

Thomas AC, Pietrosimone BG, Bayer CJ. Reliability of paired-pulse transcranial magnetic stimulation for assessment of intracortical inhibition and facilitation of the quadriceps. *In Press J Sport Rehabil*.

Murray AM, **Thomas AC**, Armstrong CW, Pietrosimone BG, Tevald MA. The Associations between Quadriceps Muscle Strength, Power, and Knee Joint Mechanics in Knee Osteoarthritis: A cross-sectional study. *In Press Clin Biomech*.

Thomas AC, Klykken L, McLean SG, Wojtys EW, Palmieri-Smith RM. Effects of Neuromuscular Fatigue on Quadriceps Strength and Activation and Knee Biomechanics in Individuals post ACL Reconstruction and Healthy Adults. *In Press J Orthop Phys Ther*.

Kuenze C, Eltouhky M, **Thomas A**, Sutherlin M, Hart J. Validity of torque data collection at multiple sites: a framework for collaboration on clinical outcomes research in sports medicine. *Epub ahead of print. J Sport Rehabil*.

Terada M, **Thomas AC**, Pietrosimone B, Hiller CE, Bowker S, Gribble PA. The consequence of a medial ankle sprain on physical and self-reported functional limitations: a case study over a 5 month period. *Epub ahead of print. J Orthop Sports Phys Ther*.

Lepley AS, Gribble, PA, **Thomas AC**, Tevald MA, Sohn DH, Pietrosimone BG. Longitudinal evaluation of stair walking biomechanics in ACL patients. *Epub ahead of print. Med Sci Sports Exerc*.

Lepley AS, Gribble PA, **Thomas AC**, Sohn DH, Tevald MA, Pietrosimone BG. Quadriceps neural alterations in anterior cruciate ligament reconstructed patients: a 6-month longitudinal investigation. *Epub Ahead of Print. Scan J Med Sci Sports*.

Thomas AC, Wojtys EW, Brandon C, Palmieri-Smith RM. Muscle atrophy contributes to quadriceps weakness after ACL reconstruction. *Epub Ahead of Print. J Sci Med Sport*.

Terada M, Bowker S, **Thomas AC**, Pietrosimone B, Hiller CE, Rice MS, Gribble PA. Alterations in stride-to-stride variability during walking in individuals with chronic ankle instability. *Hum Mov Sci.* 2015;40:154-162.

Ericksen HM, **Thomas AC**, Gribble PA, Doebel S, Pietrosimone BG. Immediate effects of real-time feedback on jump-landing biomechanics. *J Orthop Sports Phys Ther.* 2015;45(2):112-118.

Harkey MS, Luc BA, Golightly YM, **Thomas AC**, Driban JB, Hackney AC, Pietrosimone BG. Osteoarthritis-related biomarkers following anterior cruciate ligament injury and reconstruction: a systematic review. *Osteoarthritis Cartilage.* 2015;23(1):1-12.

Thomas AC, Judd DL, Davidson BS, Eckhoff DG, Stevens-Lapsley JE. Quadriceps/Hamstrings co-activation increases early after total knee arthroplasty. *Knee.* 2014;21(6):1115-1119.

Kittelson A, **Thomas AC**, Kluger BM, Stevens-Lapsley JE. Corticospinal and intracortical excitability of the quadriceps in patients with knee osteoarthritis. *Exp Brain Res.* 2014;232(12):3991-3999.

Pietrosimone BG, Lepley AS, Murray AM, **Thomas AC**, Bahhur NO, Schwartz TA. Changes in voluntary quadriceps activation predict changes in muscle strength and knee biomechanics following knee joint effusion. *Clin Biomech.* 2014;29(8):923-929.

Pietrosimone BG, **Thomas AC**, Saliba SA, Ingersoll CD. Association between quadriceps strength and self-reported physical activity in people with knee osteoarthritis. *Int J Sports Phys Ther.* 2014;9(3):320-8.

Judd DL, Dennis D, **Thomas AC**, Wolfe P, Kim R, Dayton M, Stevens-Lapsley JE. Muscle strength and functional recovery during the first year following THA. *Clin Orthop Relat Res.* 2014;472(2):654-64.

Judd DL, **Thomas AC**, Dayton M, Stevens-Lapsley JE. Strength and functional deficits in individuals with hip osteoarthritis. *Disabil Rehabil.* 2014;36(4):307-12.

Davidson BS, Judd DL, **Thomas AC**, Stevens-Lapsley JE. Muscle activation patterns during a five-time-sit-to-stand movement following TKA. *J Electromyogr Kinesiol.* 2013;23(6):1485-9.

Thomas AC, Villwock M, Wojtys, EW, Palmieri-Smith RM. Lower extremity muscle strength following ACL injury and reconstruction. *J Athl Train*. 2013;48(5):610-20.

Lepley LK, **Thomas AC**, McLean SG, Palmieri-Smith RM. Fatigue's lack of effect on thigh-muscle activity in ACL reconstructed patients during a dynamic landing task. *J Sport Rehabil*. 2013;22(2):83-92.

Stevens-Lapsley JE, **Thomas AC**, Hedgecock J, Kluger BM. Corticospinal and intracortical excitability of the quadriceps in active older and younger healthy adults. *Arch Geriatr Gerontol*. 2013;56(1):279-84.

Thomas AC and Stevens-Lapsley JE. Importance of attenuating quadriceps activation deficits after total knee arthroplasty. *Exercise Science and Sport Reviews*. 2012;40(2):95-101.

Thomas AC, Palmieri-Smith RM, McLean SG. Isolated hip and ankle fatigue are unlikely risk factors for ACL injury. *Scand J Med Sci Sports*. 2011;21(3):359-68.

Palmieri-Smith RM, **Thomas AC**, Karvonen-Gutierrez C, Sowers MF. The efficacy of neuromuscular electrical stimulation at improving quadriceps activation in women with mild and moderate osteoarthritis: a randomized clinical trial. *Phys Ther*. 2010;90(10):1441-52.

Palmieri-Smith RM, **Thomas AC**, Karvonen-Gutierrez C, Sowers MF. Isometric quadriceps strength is not different amongst women with mild, moderate, and severe knee osteoarthritis. *Am J Phys Med Rehabil*. 2010;89(7):541-8.

Thomas AC, McLean SG, Palmieri-Smith RM. Isolated quadriceps and hamstrings fatigue alters hip and knee mechanics. *J Appl Biomech*. 2010;26(2):159-70.

Thomas AC, Sowers MF, Karvonen-Gutierrez C, Palmieri-Smith RM. Lack of quadriceps dysfunction in women with early knee osteoarthritis. *J Orthop Res*. 2010;28(5):595-9.

Palmieri-Smith RM and **Thomas AC**. A neuromuscular mechanism of post-traumatic osteoarthritis associated with ACL injury. *Exercise Science and Sport Reviews*. 2009;37(3):147-53.

Palmieri-Smith RM, **Thomas AC**, Wojtys EM. Maximizing quadriceps strength after ACL reconstruction. *Clin Sports Med*. 2008;27(3):405-24.

Medina JM, **Thomas A**, Denegar CR. Knee osteoarthritis: Should your patient opt for hyaluronic acid injection? *J Fam Pract*. 2006;55:669-75.

PRESENTATIONS

McLeod MM, Pietrosimone BG, Gribble PA, Sohn D, Tevald MA, **Thomas AC**. Quadriceps strength is associated with self-reported function in arthroscopic partial meniscectomy patients. *NATA*. St. Louis, MO;2015.

Ericksen HM, **Thomas AC**, Gribble PA, Pietrosimone BG. Healthy females demonstrate reduced vertical ground reaction force following a 4-week feedback intervention and 1-week retention. *NATA*. St. Louis, MO;2015.

Gribble PA, Terada M, Beard MQ, Kosik K, Lepley AS, McCann R, Pietrosimone BG, **Thomas AC**. A novel approach for prediction of lateral ankle sprains in football players using functional test performance. *NATA*. St. Louis, MO;2015.

Kosik K, Terada M, Beard MQ, Lepley AS, McCann R, Pietrosimone BG, **Thomas AC**, Gribble PA. The influence of physical characteristics and self-reported history on functional performance tests. *NATA*. St. Louis, MO;2015.

Terada M, Bowker S, **Thomas AC**, Hiller CE, Pietrosimone BG, Gribble PA. Identifying the specific factors contributing to self-reported disability in individuals with chronic ankle instability. *NATA*. St. Louis, MO;2015.

Thomas AC, Stempkey B, Eley D, Schultz A, Hogue P, Donovan L, Gribble PA. Relation between subjective and objective activity in patients with knee osteoarthritis. *ACSM Annual Meeting*. San Diego, CA;2015.

Lepley AS, **Thomas AC**, Gribble PA, Sohn DH, Pietrosimone B. Quadriceps strength is associated with quality of life and readiness to return-to-sport in ACL patients. *ACSM Annual Meeting*. San Diego, CA;2015.

Murray AM, **Thomas AC**, Armstrong CW, Luc BA, Pietrosimone BG, Tevald MA. The relationship between lower extremity muscle function, gait speed, and knee joint power during gait in patients with knee osteoarthritis. *APTA Combined Sections Meeting*. Indianapolis, IN;2015.

Lepley AS, Gribble PA, **Thomas AC**, Sohn DH, Pietrosimone BG. Anterior cruciate ligament reconstructed patients exhibit limb asymmetry in sagittal-plane knee joint mechanics during stair ascent and descent. *ACL Retreat VII*. Greensboro, NC;2015.

Thomas AC. What is transcranial magnetic stimulation and how does it work? *NATA*. Indianapolis, IN; 2014.

Bowker S, Terada M, Harkey M, **Thomas AC**, Hiller CE, Pietrosimone BG, Gribble PA. Comparison of excitability measures and ankle laxity between ankle sprain copers and participants with chronic ankle instability. *NATA*. Indianapolis, IN; 2014.

Terada M, Bowker S, **Thomas AC**, Hiller CE, Pietrosimone BG, Rice MS, Gribble PA. Identifying the specific neural motor pathways associated with altered postural control

variability in individuals with chronic ankle instability. *NATA*. Indianapolis, IN; 2014.

Ericksen HM, **Thomas AC**, Gribble PA, Pietrosimone BG. A four-week real-time feedback intervention demonstrates changes in sagittal plane knee and hip biomechanics. *NATA*. Indianapolis, IN; 2014.

Young LJ, Ericksen HM, **Thomas AC**, Gribble PA, Pietrosimone BG. Feedback learned during a jump-landing task is transferrable to a cutting task. *NATA*. Indianapolis, IN; 2014.

Dykyj CJ, Borden EC, LeVan TR, Ericksen HM, Pietrosimone BG, **Thomas AC**. Self-analysis does not agree with expert-provided feedback during an intervention to improve jump-landing biomechanics. *NATA*. Indianapolis, IN; 2014.

Luc BA, Lefevre CE, Ericksen HM, **Thomas AC**, Gribble PA, Pietrosimone BG. Jump landing feedback decreases vertical ground reaction forces without negatively affecting vertical jump performance. *NATA*. Indianapolis, IN; 2014.

Lefevre CE, Luc BA, Ericksen HM, **Thomas AC**, Gribble PA, Pietrosimone BG. Associations between changes in quadriceps cortical excitability and sagittal plane jump-landing biomechanics following a four-week feedback intervention. *NATA*. Indianapolis, IN; 2014.

Lepley AS, Gribble PA, **Thomas AC**, Sohn DH, Tevald MA, Pietrosimone BG. Prospective analysis of quadriceps spinal-reflexive and corticospinal excitability in anterior cruciate ligament reconstructed patients. *NATA*. Indianapolis, IN; 2014.

Wilhelm SE, Terada M, Quinlevan ME, Kosik KB, McCann RS, Whitney GL, Welsch LA, **Thomas AC**, Gribble PA. Functional measures as predictors of non-contact versus contact lower extremity injury among high school football players. *NATA*. Indianapolis, IN; 2014.

Thomas AC, Pietrosimone BG, Bayer CJ. Reliability of novel paired-pulse transcranial magnetic stimulation for assessment of intracortical quadriceps assessment. *ACSM Annual Meeting*. Orlando, FL;2014.

Lepley AS, Sohn DH, Tevald MA, **Thomas AC**, Gribble PA, Pietrosimone BG. Evaluation of self-reported and neuromuscular function following anterior cruciate ligament injury and reconstruction. *ACSM Annual Meeting*. Orlando, FL;2014.

Murray AM, Lepley AS, Bahhur NO, **Thomas AC**, Pietrosimone BG. Effects of arthrogenic muscle inhibition on sagittal plane kinetics and kinematics during stair descent. *NATA*. Las Vegas, NV;2013.

Luc BA, **Thomas AC**, Driban JB, Pietrosimone BG. Alterations in biomarkers following anterior cruciate ligament injury: a systematic review. *NATA*. Las Vegas, NV;2013.

Terada M, **Thomas AC**, Pietrosimone BG, Gribble PA. Preparatory movement patterns during a laboratory recorded ankle sprain. *NATA*. Las Vegas, NV;2013.

Thomas AC, Kittelson A, Kluger BM, Stevens-Lapsley JE. Corticospinal and intracortical excitability do not differ between patients with knee osteoarthritis and healthy adults. *ACSM Annual Meeting*. Indianapolis, IN;2013.

Davidson BS, Judd DL, **Thomas AC**, Mizner RL, Eckhoff DG, Stevens-Lapsley JE. Change in hamstring activation during sit-to-stand movement following total knee arthroplasty. *ACSM Annual Meeting*. Indianapolis, IN;2013.

Pietrosimone BG, **Thomas AC**, Saliba SA, Ingersoll CD. Relation between quadriceps strength and physical activity in people with knee osteoarthritis. *OARSI World Congress on Osteoarthritis*. Philadelphia, PA;2013.

Judd DL, **Thomas AC**, Wolfe P, Dennis D, Kim R, Dayton M, Stevens-Lapsley JE. Time course of muscle strength and functional recovery during the first year following THA. *APTA Combined Sections Meeting*. San Diego, CA;2013.

Christiansen C, Judd DL, **Thomas AC**, Rogers E, Stevens-Lapsley JE. Use of accelerometers to quantify movement symmetry during stair walking in people with knee osteoarthritis. *APTA Combined Sections Meeting*. Chicago, IL;2012.

Judd DL, Davidson BS, **Thomas AC**, Stevens-Lapsley JE. Muscle coactivation during gait before and after total knee arthroplasty. *APTA Combined Sections Meeting*. Chicago, IL;2012.

Thomas AC, Wojtys EW, Palmieri-Smith RM. Contributions of central activation failure and muscle atrophy to quadriceps weakness associated with ACL reconstruction. *NATA*. New Orleans, LA;2011.

Klykken LW, **Thomas AC**, McLean SG, Palmieri-Smith RM. Neuromuscular fatigue alters lower extremity biomechanics and muscle activity in ACL reconstructed patients. *NATA*. New Orleans, LA;2011.

Judd DL, **Thomas AC**, Davidson BS, Eckhoff DG, Mizner RL, Stevens-Lapsley JE. Lower extremity muscle activity in end-stage knee osteoarthritis during a five-time-sit-to-stand task. *ACSM Annual Meeting*. Denver, CO;2011.

Thomas AC, McLean SG, and Palmieri-Smith RM. Neuromuscular fatigue and quadriceps inhibition alter lower extremity biomechanics. *Orthopaedic Research Society*. Long Beach, CA;2011.

Thomas AC and Palmieri-Smith RM. Subchondral bone contusions associated with ACL injury influence knee frontal plane biomechanics. *NATA*. Philadelphia, PA;2010.

Thomas AC, Sowers MF, Karvonen-Gutierrez C, Palmieri-Smith RM. Quadriceps-hamstrings ratio is associated with knee adduction moment in women with osteoarthritis. *ACSM Annual Meeting*. Baltimore, MD;2010.

Thomas AC, Palmieri-Smith RM, McLean SG. Isolated hip and ankle fatigue alters lower extremity kinematics. *NATA*. San Antonio, TX;2009.

Thomas AC, Sowers MF, Karvonen-Gutierrez C, Palmieri-Smith RM, Ingersoll CD. Quadriceps strength does not decrease with knee osteoarthritis progression. *ACSM Annual Meeting*. Seattle, WA;2009.

Thomas AC, McLean SG, Palmieri-Smith RM. Isolated quadriceps and hamstrings fatigue alters hip and knee mechanics. *ACSM Annual Meeting*. Indianapolis, IN;2008.

Thomas AC, McLean SG, Palmieri-Smith RM. Isolated quadriceps and hamstrings fatigue alters hip and knee mechanics. *ACL Retreat IV*. Greensboro, NC;2008.

Thomas AC, Medina JM, Hart JM, Ingersoll CD, Hertel J. Short-term Effects of Corticosteroid and Hyaluronic Acid Injections in the Treatment of Knee Osteoarthritis. *NATA*. Anaheim, CA;2007.

Medina JM, **Thomas AC**, Denegar CR. Effects of Hyaluronic Acid on Pain, Stiffness, and Disability: A Meta-analysis. *SEACSM*. Charlotte, NC;2006.

INVITED PRESENTATIONS

Muscle Dysfunction Following ACL Injury and Total Knee Arthroplasty. Pennsylvania State University Graduate Colloquium. State College, PA;2013.

GRANTSMANSHIP

AWARDED

Title: Effects of a Focused Plyometric Intervention on Biomechanics After ACL Reconstruction.

Source: Mid-Atlantic Athletic Trainers' Association

Role: PI

Period: January 2016-December 2016

Aim: To determine the effects of a 4-week plyometric training intervention on knee joint biomechanics in patients after ACL reconstruction.

Title: Intracortical Excitability of the Peroneus Longus Muscle in Patients with Chronic Ankle Instability

Source: Faculty Research Grant, UNC Charlotte

Role: PI

Period: July 2015-December 2016

Aim: To determine the intracortical pathways associated with peroneus longus impairment in patients with chronic ankle instability

SUBMITTED NOT FUNDED

Title: Somatosensory Reweighting in those with Chronic Ankle Instability

Source: Mid-Atlantic Athletic Trainers' Association

Co-PIs: Erik Wikstrom and Abbey Thomas

Amount:

Aim: To determine the neurophysiologic changes associated with somatosensory reweighting in patients with chronic ankle instability

Title: The Influence of Musculoskeletal Injury and Physical Activity on Quality of Life and Chronic Disease

Source: University of Toledo Interdisciplinary Grant

PI: Abbey C. Thomas

Amount: \$55,812

Aim: To determine the association between previous musculoskeletal injury and current physical activity levels with the development of chronic disease.

Title: The Interaction Between Early Joint Breakdown and Function Following ACL Injury

Source: NIAMS (R03)

PI: Brian Pietrosimone

Role: Co-Investigator

Amount: \$193,062

Aim: To determine the association between biomarkers of cartilage degradation and lower extremity neuromechanics following ACL injury and reconstruction

COMPLETED

Title: The Effects of Cryotherapy on Quadriceps Corticomotor Excitability in Patients with Anterior Knee Pain

Source: Master's Research Grant, NATA Research and Education Foundation

PI: Robert Kunisch

Role: Faculty Advisor

Period: June 2014-May 2015

Amount: \$974.00

Aim: To determine the ability of ice application to improve quadriceps excitability in patients with anterior knee pain

Title: Understanding the Progression from ACL-Reconstruction to Knee Osteoarthritis

Source: Great Lakes Athletic Trainers' Association

PI: Brian Pietrosimone

Role: Co-Investigator

Amount: \$1,500

Aim: To determine of biomarkers of knee osteoarthritis are different between healthy individuals and those following ACL injury and reconstruction

Title: University of Colorado Denver Aging Training Grant

Source: NIH/NIA (5T32AG000279-10)

PI: Robert S. Schwartz

Role: Post-doctoral fellow

Period: May 2011-April 2012

Aim: To determine the role of cortical inhibition and facilitation in quadriceps central activation failure before and after total knee arthroplasty

Title: Central mechanisms of quadriceps weakness following ACL reconstruction

Source: Doctoral Research Grant, NATA Research and Education Foundation

PI: Abbey C. Thomas

Period: June 2009-June 2010

Amount: \$2,440

Aim: To determine the spinal and/or supraspinal contributions of motoneuron pathways to the presence of quadriceps weakness following ACL reconstruction

Title: The effects of fatigue and central activation failure on lower extremity biomechanics in ACL reconstructed patients

Source: Doctoral Research Grant, Rackham Graduate School, University of Michigan

PI: Abbey C. Thomas

Period: May 2009 - May 2010

Amount: \$3,000

Aim: To examine the effects of neuromuscular fatigue on central activation failure and the resultant lower extremity biomechanics following ACL reconstruction

MENTORSHIP

Undergraduate

Senior Project University of Toledo

Emily Borden

Tiffany LeVan

Colton Rhinebolt

Dylan Deweese

Rachel Massengill

Brian Snoddy

Christopher Dykyj

Jonathan Niese

Logan Winkler

Brett Koermer

Jessica Phillips

Tyler Winkler

Honors Thesis University of Toledo

Rachel Massengill

Kelsey Steele

Master's Thesis Committees University of Toledo

Michael Alfonsi, MS, ATC (chair)

Caitlin Lefevre, MS, ATC (chair)

Devon Eley, MS, ATC (chair)

Kelsey Shearman, MS, ATC (chair)

Kimberly Frissora, MS, ATC (chair)

Bradley Stempky, MS, ATC (chair)

Robert Kunisch, MS, ATC (chair)

Garrett Whitney, MS, ATC (chair)
Samantha Bowker, MS, ATC
Aya Kitagawa, MS, ATC

Michael Mayes, MS, ATC
Lauren Welsch, MS, ATC
Sarah Wilhelm, MS, ATC

Master's Thesis Committees University of North Carolina at Charlotte

Steven Pfeiffer (chair)
Gavin Stuart (chair)
Katherine Collins (chair)
Jason Cline

Ashley Duncan
Adam Jordan
Emily Zacherle

Doctoral Dissertation Committees University of Toledo

Hayley Ericksen, PhD, ATC
Adam Lepley, PhD, ATC
Michelle McLeod, MA, ATC

Amanda Murray, PT, PhD, DPT
Megan Quinlevan Beard, PhD, ATC
Masafumi Terada, PhD, ATC

Doctoral Dissertation Committees University of Kentucky

Kyle Kosik, MEd, ATC

Doctoral Dissertation Committees University of North Carolina Charlotte

Christopher Burcal, MSc, ATC

PROFESSIONAL AFFILIATIONS/CERTIFICATIONS

North Carolina Board of Athletic Trainer Examiners, Licensed Athletic Trainer (2014-present)
North Carolina Athletic Trainers' Association (2014-present)
Mid-Atlantic Athletic Trainers' Association (2014-present)
Athletic Trainers' Osteoarthritis Consortium (2012-present)
Ohio Board of OT, PT, AT, Licensed Athletic Trainer (2012-2014)
Ohio Athletic Trainers' Association (2012-2014)
Great Lakes Athletic Trainers' Association (2006-2010; 2012-2014)
American College of Sports Medicine (2008-present)
National Athletic Trainers' Association (2004-present)
Commonwealth of Virginia Board of Medicine, Licensed Athletic Trainer (2005-2007)
American Red Cross CPR/AED for the Professional Rescuer
American Red Cross First Aid

SERVICE

PROFESSIONAL

Manuscript Reviewer

Journal of Athletic Training
American Journal of Physical Medicine and Rehabilitation
Archives of Physical Medicine and Rehabilitation
Clinical Rehabilitation

Medicine and Science in Sports and Exercise
Journal of Musculoskeletal and Neuronal Interactions
Journal of Sport Rehabilitation
Sports Health: A Multidisciplinary Approach
Journal of Biomechanics

Athletic Trainers' Osteoarthritis Consortium

Executive Committee, Secretary *2015-present*

Chair, Working group to raise awareness of osteoarthritis *2015-present*

Great Lakes Athletic Trainers' Association

Abstract reviewer, professional free communications section *December 2012*

UNIVERSITY

University of North Carolina Charlotte, Department of Kinesiology

Department Seminar Committee *2015-present*

Department Aspirational Assessment Committee *2015-present*

Athletic Training Faculty Search Committee *2015-present*

University of Toledo, Department of Kinesiology

Department Curriculum Review Committee *2012-2014*

College of Health Sciences Strategic Planning Committee II *2013-2014*

College of Health Sciences Constitution Amendment Committee *2013-2014*

Doctor of Physical Therapy Faculty Search Committee *2013-2014*

Athletic Training Faculty Search Committee Chair *2013-2014*

University of Michigan, School of Kinesiology

Kinesiology Representative to Rackham Graduate Student Forum *2009-2010*

School of Kinesiology Dean Search Committee Member *2009*

Speaker/Athletic Training Representative, Wolverine Health Explorers Camp *June 2009*

AWARDS, SCHOLARSHIPS and FELLOWSHIPS

Student's Choice Teaching Award

2009-2010

School of Kinesiology, University of Michigan, Ann Arbor, MI

Rackham One-Term Dissertation Fellowship

Spring/Summer terms 2010

Rackham Graduate School, University of Michigan, Ann Arbor, MI

Student Research Award

May 2009

Biomechanics Interest Group of the American College of Sports Medicine for:
Quadriceps Strength Does Not Decrease With Knee Osteoarthritis Progression

Living Memorial Doctoral Scholarship

March 2009

Great Lakes Athletic Trainers' Association

Alumni Recognition of Student Excellence Award

April 2005

Department of Kinesiology, Pennsylvania State University, University Park, PA

Undergraduate Scholarship

Summer 2003

Pennsylvania State University, University Park, PA

President Sparks Award

April 2003

Pennsylvania State University, University Park, PA

President's Freshman Award

April 2002

Pennsylvania State University, University Park, PA