

Donovan Jones Lott, PT, PhD, CSCS

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(352) 273-9226

EDUCATION:

June 2007 – Sept 2008 Post Doctoral Fellowship (Muscle Physiology Laboratory)
University of Florida, Gainesville, FL

Aug. 2002 – May 2007 Ph.D. in Movement Science (Emphasis in Biomechanics)
Washington University in St. Louis, St. Louis, MO

Aug. 1996 – Dec. 1998 M.S. in Physical Therapy
Washington University School of Medicine, St. Louis, MO

Aug. 1990 – April 1991 B.S. in Exercise Science (Magna Cum Laude)
Jan. 1994 – Aug. 1996 Brigham Young University, Provo, UT

EMPLOYMENT:

July 2023 – Present Department of Physical Therapy, University of Florida
Gainesville, FL
Research Professor

Oct 2021 – Present Director of Student Affairs

July 2017 – June 2023 Department of Physical Therapy, University of Florida
Gainesville, FL
Research Associate Professor

Sept 2008 – June 2017 Department of Physical Therapy, University of Florida
Gainesville, FL
Research Assistant Professor

June 2007 – Sept 2008 Department of Physical Therapy, University of Florida
Gainesville, FL
Post Doctoral Fellow

June 2007 – Sept 2008 Fit For Life Physical Therapy
Gainesville, FL
Per diem Physical Therapist

Aug. 2002 – May 2007 BJC Homecare Services
St. Louis, MO
Per diem Physical Therapist

Jan. 2000 - Aug. 2002 Jack D. Close & Assoc. Physical Therapy and Rehabilitation Center
Las Vegas, NV
Director of Outpatient Physical Therapy Clinic

Feb. 1999 – Aug. 2002 IHS Rehabilitation; Colonial Home-Care Services
Las Vegas, NV
Per diem Physical Therapist

Feb. 1999 – Dec. 1999 Jack D. Close & Assoc. Physical Therapy and Rehabilitation Center
Las Vegas, NV
Staff Physical Therapist

PROFESSIONAL ORGANIZATIONS:

American Physical Therapy Association (APTA): 1997 – Present
APTA Academy of Orthopaedic Physical Therapy: 1999 – Present
APTA Academy of Research: 2003 – Present
APTA Academy of Acute Care: 2020 - Present
American College of Sports Medicine (ACSM): 2009 - Present
National Strength & Conditioning Association: 1998 – Present
TREAT-NMD Alliance Neuromuscular Network: 2021 - Present
American Society of Biomechanics: 2005 – 2007

GRANTS & FUNDING:

CURRENT:

MDA 627906 (Thornton; Site PI: Subramony) 7/01/2019 – 8/31/2026
Muscular Dystrophy Assoc via Univ of Rochester
Title: Myotonic Dystrophy Clinical Research Network – Establishing Biomarkers and Clinical Endpoints in Myotonic Dystrophy Type 1
The overall goal of this natural history study is to establish biomarkers and clinical endpoints in people with Myotonic Dystrophy Type-1.
Role: Sub-Investigator & Clinical Evaluator

R01 AR056973 (Vandenborne) 09/01/2010 - 08/31/2025
NIH
Title: Magnetic Resonance Imaging and Biomarkers for Muscular Dystrophy
The overall objective of this study is to validate the potential of noninvasive magnetic resonance imaging (MRI) and spectroscopy (MRS) to monitor disease progression and to serve as a surrogate outcome measure for clinical trials in Duchenne muscular dystrophy (DMD).
Role: Co-Investigator

AGR00016997 (Taivassalo) 1/01/02020 – 1/09/2025
Edgewise Therapeutics
Title: Use of a Biomarker Approach to Optimize Rehabilitation Strategies for DMD Patients
The overall goal of this study is to characterize the response of circulating muscle proteins (putative biomarkers) to a controlled bout of physical activity in boys with DMD.
Role: Co-Investigator

R01 AR076060 (Lott) 7/01/2020-6/30/2023 (NCE 2024)
NIH
Title: Development of MRI, Alternative Splicing, and Functional Abilities as Biomarkers in Myotonic Dystrophy Type 1
The overall goal of this study is to investigate the potential of two biomarkers that can be used in future clinical trials focused on new therapies for DM1.
Role: Principal Investigator

FIS-002-2019 (Tawil; Site PI: Subramony) 11/21/2019 – 11/20/2024
Fulcrum Therapeutics

Title: A Phase 2, Randomized, Double-Blind, Placebo-Controlled, 24-Week, Parallel-Group Study of the Efficacy and Safety of Losmapimod in Treating Subjects with Facioscapulohumeral Muscular Dystrophy (FSHD)

This study will evaluate the efficacy and safety of losmapimod in treating subjects with FSHD over 24 weeks.

Role: Functional Evaluator

U54AR052646 (Walter)

08/01/10 - 07/31/25

NIH

Title: Project 3: Imaging of Failed Tissue Regeneration: Understanding and Improving Therapies for the Muscular Dystrophies through Noninvasive Biomarkers

The major goal of this project is to use a combination of MR biomarkers and metabolomics to characterize the natural history of disease progression and help identify therapeutic targets and novel biomarkers for future clinical trials.

Role: Co-Investigator

AGR00016997 (Taivassalo)

1/10/2020 – 1/9/2025

Edgewise Therapeutics

Title: Use of a Biomarker Approach to Optimize Rehabilitation Strategies for DMD Patients

The overall goal of this study is to characterize the response of circulating muscle proteins (putative biomarkers) to a controlled bout of physical activity in boys with DMD.

Role: Co-Investigator

W81XWH-18-DMDRP-IIRA (Taivassalo)

7/01/2019 - 6/30/2024

DOD

Title: Impact and Interplay of Corticosteroid Regimen and Exercise Training on DMD Muscle Function

The goal of this study is to evaluate the potential of a weekend corticosteroid dosing regimen and exercise on improving muscle function in Duchenne muscular dystrophy.

Role: Co-Investigator

MOVE FSHD (Statland; Site PI: Subramony)

12/01/2020 – 12/31/2023

FSH Clinical Trial Research Network/University of Kansas Medical Center

Title: Motor Outcomes to Validate Evaluations in FSHD

The overall goal of this study is to facilitate research collaboration among the Network Members in order to develop more precise understanding of the natural history of the disease and the major contributors to disease variability, to develop more reliable and sensitive outcome measures, and to expedite and improve clinical trial readiness.

Role: Sub-Investigator & Clinical Evaluator

MDA Idea Grant (Taivassalo)

9/01/2021 – 8/31/2023

Muscular Dystrophy Association

Title: Measuring Cardiopulmonary Responses to the 6MWT and Peak Effort Exercise in DMD

The objective of this study is to provide sensitive physiological outcomes to assess functional efficacy of emerging therapies in DMD.

Role: Co-Investigator

PREVIOUS:

FP00011655_SA010 (Zingariello)

MLBioSolutions/VA Commonwealth University

Title: A natural history and biomarker development study in subjects with limb-girdle muscular dystrophy 2i (LGMD 2i)

The rationale for this study is to define appropriate clinical outcome assessments for LGMD 2i, which will facilitate therapeutic development and ensure properly powered clinical trials.

Role: Functional Evaluator

Title: A Phase ½ study of CAT-1004 in Pediatric Patients with Duchenne Muscular Dystrophy (CAT-1004-201 Catabasis Pharmaceuticals)

Principal Investigator: Krista Vandenborne

Role: Clinical Evaluator & Functional Evaluator Trainer

Amount awarded: \$477,859 (2015-2020)

Title: Development of Magnetic Resonance Imaging as an Endpoint in Myotonic Dystrophy Type (Myotonic Dystrophy/Wyck Foundation grant)

Principal Investigator: Donovan Lott

Role: Principal Investigator

Amount awarded: \$150,000 (2016-2018)

Title: Development of a Strength Training Protocol in Duchenne Muscular Dystrophy (R21 AR064949-01A1)

Principal Investigator: Donovan Lott

Role: Principal Investigator

Amount awarded: \$275,000 (2014-2018 NCE)

Title: MDA Myotonic Dystrophy Research Network (Muscular Dystrophy Association grant)

Principal Investigator: Charles Thornton (Univ of Rochester); UF Co-Inv: Subramony/Ashizawa

Role: Sub-Investigator & Clinical Evaluator

Award: 2013-2016

Title: A Phase 1/2a Blinded, Placebo-Controlled Study to Assess the Safety, Tolerability, and Dose-range Finding of Multiple Ascending Doses of ISIS 598769 Administered Subcutaneously to Adult Patients with Myotonic Dystrophy Type 1

Principal Investigator: Charles Thornton (Univ of Rochester); UF Co-Inv: Subramony/Ashizawa

Role: Sub-Investigator & Clinical Evaluator

Amount awarded: \$98,308 (2014-2017)

Title: Muscle Injury prevention & Rehabilitation in Military Personnel (USAMRMC W81XH-11-1-0454)

Principal Investigator: Donovan Lott

Role: Principal Investigator

Amount awarded: \$124,988 (2012-2016)

Title: MR Monitoring of PTC 124 Treatment in DMD (RC1 AR058189)

Principal Investigator: Krista Vandenborne

Role: Co-Investigator

Amount Awarded: \$839,690 (2009-2012)

Title: Rehabilitation Research Career Development Program (K12-HD055929)

Principal Investigator: Kenneth Ottenbacher (University of Texas Medical Branch)

Amount awarded: \$4,975,148 (2007-2012)

Role: K12 Phase 1 Scholar from 2008-2011

Title: Musculoskeletal Pain and Muscle Dysfunction in Soldiers with Traumatic Injuries (VA248P0199)

Principal Investigator: Krista Vandenborne (University of Florida), Paul Hoffmann (VA)

Amount awarded: \$50,000 (2007-2008)

Role: Post-doctoral Fellow

SERVICE:

Planning Committee for Annual Muscle Study Group Meeting: 2023
Research and Scholarship Task Force Chair, Department of Physical Therapy, University of Florida: 2022 – Present
Academic Integrity Task Force Member, College of Public Health & Health Professions, University of Florida: 2022
Grant Reviewer for Telethon-UILDM (Unione Italiana Lotta alla Distrophia Muscolare) Clinical Projects: 2021
Task Force Chair, Recruitment/Admissions for IDEA Work Group, Department of Physical Therapy, University of Florida: 2021 – Present
DuchenneXchange Advisory Council, CureDuchenne: 2020 - Present
Awards Committee Member, Subcommittee on Research, APTA: 2020 – Present
Committee Member, APTA’s Prosthetics sub-group of the Academy of Acute Care Physical Therapy Task Force for Entry-level Physical Therapy Students: 2020 – 2021
Professional Development Committee Chair, Department of Physical Therapy, University of Florida: 2019 – Present
Grant Reviewer for University of Florida Clinical and Translational Science Institute: 2016 – Present
Nicaragua/Yucatan Learning Project Committee Member, Department of Physical Therapy, University of Florida: 2014 - Present
Professionalism Committee Member, Department of Physical Therapy, University of Florida: 2013 – 2019
Recruitment Committee Member, PhD in Rehabilitation Science Program, University of Florida: 2018 – 2020
Faculty Search Committee member, Department of Physical Therapy, University of Florida: Fall 2012, Spring 2018, Spring 2019
Admissions Committee Member, Department of Physical Therapy, University of Florida: 2013, 2017 - 2018
Faculty Search Committee Chair, Department of Physical Therapy, University of Florida: Fall 2016, Fall 2017
DPT Competency Exam Committee Member, Department of Physical Therapy, University of Florida: 2013 – 2016
Research Space Task Force member, Department of Physical Therapy, University of Florida: 2012 – 2014
Commencement Marshall, College of Public Health & Health Professions, University of Florida: 2012 - 2014
Curriculum Skills Assessment Committee member, Department of Physical Therapy, University of Florida: 2011 - 2012
Department of Physical Therapy Faculty Representative for the University of Florida Undergraduate PT Club: 2010 – Present
Professional Team Member for entry-level DPT students, Department of Physical Therapy, University of Florida: Aug 2009 – Dec 2010
Committee Member for “Darius at UF” (event to promote awareness of Duchenne muscular dystrophy): June – Sept, 2009
Reviewer/Judge of abstracts submitted to the College of Public Health & Health Professions Research Day, University of Florida, 2009, 2010, 2011, 2012
Reviewer for *Journal of Biomechanics*: 2009 - Present
Reviewer for *Clinical Biomechanics*: 2008 - Present
Reviewer for *Journal of Rehabilitation Research and Development*: 2007- Present
Reviewer for *Journal of Applied Physiology*: 2006 – Present

Reviewer for *Physical Therapy*: 2006 – Present
 Reviewer for *Journal of Diabetes and its Complications*: 2007- 2010
 Reviewer for *Development Medicine & Child Neurology*: 2014 - Present
 Reviewer for *Journal of the Neurological Sciences*: 2014 - Present
 Reviewer for *Journal of Rheumatology and Orthopedics*: 2015 – Present
 Reviewer for *Muscle and Nerve*: 2016 – Present
 Reviewer for *Developmental Neurorehabilitation*: 2016 – Present
 Reviewer for *Contemporary Clinical Trials*: 2017 – Present
 Reviewer for *Disability & Rehabilitation*: 2017 – Present
 Reviewer for *Experimental Gerontology*: 2017 – Present
 Reviewer for *Geriatrics & Gerontology International*: 2018 – Present
 Reviewer for *BMC Musculoskeletal Disorders*: 2018 – Present
 Reviewer for *Journal of Pediatric Rehabilitation Medicine*: 2018 – Present
 Reviewer for *JMIR Rehabilitation and Assistive Technologies*: 2020 – Present
 Reviewer for *Rehabilitation Research and Practice*: 2020 – Present
 Reviewer for *International Journal of Qualitative Studies in Health & Well-being*: 2020 – Present
 Reviewer for *PLOS ONE*: 2020 – Present
 Reviewer for *Somatosensory & Motor Research* – 2021 - Present
 Reviewer for *Early Human Development*: 2022 - Present

TEACHING/MENTORING EXPERIENCE:

2020-Present	Dissertation Committee Member (Priyanka Rana) Dissertation: “TBD” Rehabilitation Science PhD Program University of Florida
2020-Present	Lecturer: Professional Issues I (Class for entry-level DPT students) University of Florida, Department of Physical Therapy Topic for lecture: Professionalism: Guidelines for Success
2019-Present	Instructor and Course Coordinator: Introduction to Exercise Science for Physical Therapists (Previously called Basic Clinical Skills II) (Class for entry-level Doctor of Physical Therapy [DPT] students) University of Florida, Department of Physical Therapy
2017-Present	Faculty Facilitator: Putting Families First (Class for health care professional students) University of Florida, Health Science Center
2012-Present	Instructor and Course Coordinator: Prosthetics & Orthotics (Class for entry-level Doctor of Physical Therapy [DPT] students) University of Florida, Department of Physical Therapy
Aug 2022 – May 2023	Supervisor for Part-time Internship of Master’s Degree Student Applied Physiology & Kinesiology University of Florida, College of Health and Human Performance
May – July 2022	Supervisor for Full-time Internship of Masters’ Degree Student Applied Physiology & Kinesiology University of Florida, College of Health and Human Performance

2018-2022 Dissertation Committee Member (Kavya Kamalamma)
Dissertation: “Disease progression in Duchenne muscular dystrophy with emphasis on loss of ambulation: a multi-center longitudinal study”
Rehabilitation Science PhD Program
University of Florida

Jan - April 2022 Co-Supervisor for Full-time Internship of 4 Undergraduate Students
Applied Physiology & Kinesiology
University of Florida, Health and Human Performance

Jan - April 2021 Co-Supervisor for Full-time Internship of 3 Undergraduate Students
Applied Physiology & Kinesiology
University of Florida, Health and Human Performance

Jan - April 2020 Secondary Supervisor/Mentor for Full-time Internship & Honors Thesis
Applied Physiology & Kinesiology
University of Florida, Health and Human Performance
Providing mentorship and direction in the manuscript preparation entitled: Quantitative Magnetic Resonance Imaging of the Upper Extremity in Myotonic Dystrophy Type 1

Jan - April 2020 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised four 3rd year DPT students regarding their written case reports (Topics: Exercise for Plantar Fasciopathy, Teletherapy in Children with DMD, Telehealth for Vestibular Rehabilitation, Functional Training & Balance Exercises for a Patient with a Transmetatarsal Amputation)

Jan - April 2019 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised four 3rd year DPT students regarding their written case reports (Topics: Outcomes for Chronic Low Back Pain, Yin Yoga and Pelvic Floor Pain, Telehealth to Reduce Fall Risk, Lower Limb Amputation Physical Therapy in a Skilled Nursing Facility)

2017-2018 Thesis Committee Member (Zhara Moslemi)
Thesis: “Relationship of lower leg intramuscular fat with strength and walking in people with myotonic dystrophy type 1”
Master of Science in Applied Physiology & Kinesiology
College of Health and Human Performance
University of Florida

Jan - April 2018 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised three 3rd year DPT students regarding their written case reports (Topics: Chronic Knee Pain and Blood Flow Restriction Training, Fall Prevention in Early Mobilization of Patients with Lower Extremity)

Amputations in the Acute Care Setting, Agility Rehabilitation Program for a Patient with Transtibial Amputation)

- Spring 2018 Co-teacher: Basic Clinical Skills II
(Class for entry-level Doctor of Physical Therapy [DPT] students)
University of Florida, Department of Physical Therapy
- 2010-2011,
2013-2017 Instructor and Course Coordinator: Evidence Based Practice II
(Class for entry-level Doctor of Physical Therapy [DPT] students)
University of Florida, Department of Physical Therapy
- 2014 – 2017 Dissertation Committee Member (Abhinandan Batra)
Dissertation: “Non-Invasive Monitoring of Disease Progression in DMD & Collagen VI Related Dystrophy”
Rehabilitation Science PhD Program
University of Florida
- Jan - April 2017 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised two 3rd year DPT students regarding their written case reports
(Topics: Task Specific Functional Training Rehabilitation of an Elderly Male Patient Post Trans-Tibial Amputation, Computerized Assisted Rehabilitation Environment for a patient with transtibial amputation)
- Jan - April 2016 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised three 3rd year DPT students regarding their written case reports
(Topics: Functional E-stimulation and gait, Vestibulo-ocular dysfunction and concussions, Prognostic factors and concussion)
- 2013 – 2015 Dissertation Committee Member (Yoonjeong Lim)
Dissertation: “Impact of Child, Family, and Healthcare Service Satisfaction on Families of Children with Rare Diseases”
Rehabilitation Science PhD Program
University of Florida
- Jan - April 2015 Supervisor for Full-time Internship
Applied Physiology & Kinesiology
University of Florida, Health and Human Performance
- Fall 2014: Co-Instructor & Co-Course Coordinator: Seminar in Rehabilitation Science
(Class for PhD students in Rehabilitation Science)
University of Florida, Program in Rehabilitation Science
- Fall 2014: Co-Instructor: Muscle Plasticity
(Class for PhD students in Rehabilitation Science)
University of Florida, Program in Rehabilitation Science
- March 2009-2010
March 2012-2017 Lecturer: Exercise Physiology
(Class for entry-level DPT students)

University of Florida, Department of Physical Therapy
Topic for two lectures: Diabetes and Exercise

- May '14 – May 2015 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled: MR Spectroscopy and Functional Measures in Boys with DMD 12-18 months Prior to Loss of Ambulation.
- Jan - April 2015 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised two 3rd year DPT students regarding their written case reports (Topics: Mirror therapy on limb pain and functional mobility; Upper extremity plyometric program for labrum repair)
- Jan - April 2014 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised 3rd year DPT student regarding her written case report (Topic: High intensity prosthetic training for a transfemoral amputee using a C-leg compact)
- May '13 – May 2014 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation for two students entitled: 1) The Effect of Coenzyme Q 10 on Boys with Duchene Muscular Dystrophy, and 2) Longitudinal Assessment of Strength, Activity, & Muscle T2 in Collagen VI Myopathy.
- Jan - April 2013 Supervisor for Full-time Internship
Applied Physiology & Kinesiology
University of Florida, Health and Human Performance
- Aug '12 – May 2013 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Health and Human Performance
Providing mentorship and direction in the research project and manuscript preparation entitled: Impact of Physical Activity on Muscles of People with Collagen-VI Myopathies.
- May '12 – May 2013 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled: Relationships Between Contractile Tissue, Physical Activity, and Functional Ability in Ambulatory Boys with Duchenne Muscular Dystrophy.
- Jan - April 2012 Supervisor for Full-time Internship

Applied Physiology & Kinesiology
University of Florida, Health and Human Performance

- May '11 – May 2012 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled, “T2 Relaxation Time and Activity in Boys with Duchenne Muscular Dystrophy.”
- Aug – Dec 2011 Supervisor: Independent Study
(Course for Undergraduate student, HSC 4905)
University of Florida, Bachelor of Health Science Program
Provided direction to the creation and organization of materials to be used by the siblings of research participants.
- Summer 2011 Supervisor: Independent Study
(Course for PhD student, RSD 6905)
University of Florida, Rehabilitation Science Doctoral Program
Provided direction and instruction regarding classroom teaching and preparation of materials for lectures and learning.
- Summer 2011 Instructor: Supervised Teaching
(Course for PhD student, RSD 6940)
University of Florida, Rehabilitation Science Doctoral Program
Provided direction and instruction in principles and execution of teaching entry-level doctoral of physical therapy students.
- May '10 – May 2011 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled, “Non-invasive Analysis of Muscle Quality in Patient with Duchenne Muscular Dystrophy”
- Jan '10 – May 2010 Mentor: Honors Student Independent Study Project
University of Florida, Honors Program
Providing mentorship and direction in the research project and abstract preparation entitled, “Assessment of Peroneal Muscle Size in Boys with Duchenne Muscular Dystrophy”
- May '09 – May 2010 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled, “The Relationships between Muscle Composition, Strength, and Gait Function in Boys with Duchenne Muscular Dystrophy”
- May – June 2009 Co-teacher: Evidence Based Practice II
(Class for entry-level Doctor of Physical Therapy [DPT] students)
University of Florida, Department of Physical Therapy

- May '08 – May 2009 Mentor: Honors Thesis Research Project
(Thesis for Undergraduate Honors Program)
University of Florida, Public Health & Health Professions
Providing mentorship and direction in the research project and manuscript preparation entitled, “Gait and Strength Changes in Boys with Duchenne Muscular Dystrophy”
- Jan - April 2009 Advisor: Evidence Based Practice III
(Class for entry-level DPT students)
University of Florida, Department of Physical Therapy
Advised two 3rd year DPT students regarding their written case reports
(Topics: Rehabilitation protocol after total knee arthroplasty; Aquatic therapy for a patient after tibial plateau fracture)
- Aug. – Dec 2008 Supervisor: Independent Study
(Course for PhD student)
University of Florida, Rehabilitation Science Doctoral Program
Provided direction and instruction in research laboratory experience emphasizing principles of MRI and methods for data analyses.
- Jan. – April 2007 Advisor: Case Integration 3
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Advised a 3rd year DPT student regarding her written case report and structured literature review (Topic: Rehabilitation for proprioception and balance after an ankle sprain)
- February 2007 Lab Assistant: Kinesiology 2
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topics for two labs: Quantitative and observational gait analysis
- January 2007 Lecturer: Human Anatomy
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Musculoskeletal system
- Sept. – Oct. 2006 Lecturer: Clinical Implications of Tissue Mechanics
Sept. – Oct. 2004 (Class for post-professional DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topics for three lectures: Material properties of biological tissues; Clinical applications using the Physical Stress Theory
- Feb. - March 2006 Lab Assistant: Kinesiology 2
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topics for four labs: Quantitative and observational gait analysis; Clinical evaluation of the foot and ankle
- February 2006 Lecturer: Kinesiology 2
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy

Topic for lecture: Kinematics, kinetics, and moments of observational gait

- Jan. – Feb. 2006 Lecturer: Human Anatomy
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topic for three lectures: Musculoskeletal system, abdominal musculature,
and muscles and fascia of the back
- May 17, 2005 Lecturer: Research Seminar
(Lecture offering continuing education units for faculty and clinicians)
Washington University School of Medicine, Program in Physical Therapy
Topic: Relationship between soft tissue deformation and
applied pressure along the 2nd ray of the plantar neuropathic foot
- April 2005 Lab Assistant: Essential Skills 3
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topics for three labs: Taping, temporary functional orthotics, and neutral
casting for the foot and ankle
- Jan. – April 2005 Advisor: Case Integration 3
(Classes for entry-level DPT students)
Washington University School of Medicine, Program in Physical
Therapy Advised a 3rd year DPT student regarding his written case report
and structured literature review (Topic: Physical therapy intervention for
patients with patellofemoral pain)
- Sept. – Oct. 2004 Lecturer: Kinesiology 1
(Class for entry-level DPT students)
Washington University School of Medicine, Program in Physical Therapy
Topic for four lectures: Muscle performance (influencing factors, methods
of measurement, and exercise regimens for enhancement)
- 1999 – 2000 Clinical Instructor at Jack D. Close & Assoc. in Las Vegas, NV
Instructed Physical Therapy students from University of Nevada Las
Vegas, Idaho State University, & Northwestern University
- 1991 – 1993 Missionary for LDS Church in Santiago, Chile
Instructed Chilean people in their homes regarding religious principles
Became fluent in written and spoken Spanish language

HONORS & AWARDS:

CureDuchenne Certified Physical Therapist: Certified in 2021
Mentor for University Scholar Program Award Recipient (Venessa Bibeau), 2014-2015
Superior Accomplishment Award, College of Public Health & Health Prof., Univ. of Florida, 2012
Mentor for University Scholar Program Award Recipient (Meagan Kaufman), 2011-2012
Recipient, NIH Clinical Loan Repayment Program, 2010-2012
Rehabilitation Research Career Development Program K12 Scholar, 2008 – 2011
Selected as a participant for the Enhancing Rehabilitation Research in the South (ERRIS) Grant
Writing Workshop, Charlottesville, VA, Jan 2010
Chattanooga Research Award, Co-Recipient, APTA 2007
Promotion of Doctoral Studies Award II (\$15,000 awarded per academic year), Foundation for

Physical Therapy, APTA 2005-2006 and 2006-2007
Promotion of Doctoral Studies Award I (\$7,500 awarded), Foundation for Physical Therapy,
APTA 2004-2005
Peggy Lincoln Memorial Award, Jack D. Close & Assoc. 2001
Autographed with Excellence Award, Jack D. Close & Assoc. 1999 and 2001
Certified Strength & Conditioning Specialist (CSCS): Certified in 1998
Director's Award for Overall Achievement, Program in Physical Therapy, Wash. Univ. 1998
Robert J. Hickok Merit Scholarship, Program in Physical Therapy, Washington Univ. 1997
Valedictorian of the College of Physical Education, Brigham Young University 1996
Magna Cum Laude, Brigham Young University 1996
Phi Kappa Phi Honor Society: Inducted 1996
Board of Trustees Scholarship, Brigham Young University 1990-91, 1993-96
Eagle Scout, Boy Scouts of America, 1990

PUBLICATIONS:

PEER REVIEWED JOURNAL ARTICLES:

- Thornton CA, Moxley RT 3rd, Eichinger K, Heatwole C, Mignon L, Arnold WD, Ashizawa T, Day JW, Dent G, Tanner MK, Duong T, Greene EP, Herbelin L, Johnson NE, King W, Kissel JT, Leung DG, **Lott DJ**, Norris DA, Pucillo EM, Schell W, Statland JM, Stinson N, Subramony SH, Xia S, Bishop KM, Bennett CF. Antisense oligonucleotide targeting DMPK in patients with myotonic dystrophy type 1: a multicentre, randomised, dose-escalation, placebo-controlled, phase 1/2a trial. *Lancet Neurol.* 2023 Mar;22(3):218-228. doi: 10.1016/S1474-4422(23)00001-7. PMID: 36804094.
- Louis J, Bennett S, Owens DJ, Tiollier E, Brocherie F, Carneiro MAS, Nunes PRP, Costa B, Castro-e-Souza P, Lima LA, Lisboa F, Oliveira-Júnior G, Kassiano W, Cyrino ES, Orsatti FL, Bossi AH, Matta G, Tolomeu de Oliveira G, Renato Melo F, Rocha Soares E, Ocelli Ungheri B, Daros Pinto M, Nuzzo JL, Latella C, van den Hoek D, Mallard A, Spathis J, DeBlauw JA, Ives SJ, Ravanelli N, Narang BJ, Debevec T, Baptista LC, Padrão AI, Oliveira J, Mota J, Zacca R, Nikolaidis PT, **Lott DJ**, Forbes SC, Cooke K, Taivassalo T, Elmer SJ, Durocher JJ, Fernandes RJ, Silva G, Costa MJ. Commentaries on Viewpoint: Hoping for the best, prepared for the worst: can we perform remote data collection in sport sciences?. *J Appl Physiol* (1985). 2022 Dec 1;133(6):1433-1440. PMID: 36509417.
- Batra A, Barnard A, **Lott DJ**, Willcocks R, Forbes SC, Shakraborty S, Daniels M, Arbogast J, Triplett W, Henricson E, Dayan JG, Schmalfuss C, Sweeney L, Byrne BJ, McDonald C, Vandenborne K, Walter GA. Longitudinal changes in cardiac function in Duchenne muscular dystrophy population as measured by magnetic resonance imaging. *BMC Cardiovascular Disorders.* 2022 Jun 9;22(1):260. PMID: 35681116.
- Barnard AM, Hammers DW, Triplett WT, Kim S, Forbes SC, Willcocks RJ, Daniels MJ, Senesac CR, **Lott DJ**, Arpan I, Rooney WD, Wang RT, Nelson SF, Sweeney HL, Vandenborne K, Walter GA. Evaluating modifiers of Duchenne muscular dystrophy disease progression using modeling. *Neurology.* 2022 Nov 22;99(21):e2406-e2416. PMID: 36240102.
- Griffis EJ, Makumi WA, Sweatland HM, Stubbs KJ, Taivassalo T, **Lott DJ**, Dixon WE. Control barrier functions for safe admittance control of a rehabilitation cycle for DMD. *2022 6th IEEE Conference on Control Technology and Applications.* 2022 IEEE Conference on Control Technology and Applications (CCTA): 1074-1079.
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NON-PEER REVIEWED PUBLICATIONS:

Committee Member and Contributing Author to APTA Acute Care's "Amputation and Limb Difference Curricular Guidelines for Entry-Level Doctoral of Physical Therapy Professional Degree Programs." Sponsored by the Amputee Rehabilitation Focus Group and Published by the APTA Academy of Acute Care, May 2021.

ABSTRACTS, ORAL PRESENTATIONS/INVITED TALKS, AND POSTER PRESENTATIONS:

- SH Subramony, NC Olwe, SL Riehl, KS Nair, ET Wang, GA Walter, K Vandenborne, **DJ Lott**. A Pilot Study Examining Relationships between Magnetic Resonance Imaging, Alternative Splicing, and Functional Abilities in Myotonic Dystrophy Type 1. Muscular Dystrophy Association Annual Meeting. Dallas, TX, March 2023.
- Lott DJ**. Development of a Strength Training Program in Duchenne Muscular Dystrophy. Invited talk at the Muscular Dystrophy Association Annual Meeting. Dallas, TX, March 2023.
- Willcocks, RJ; Forbes SC; Rooney, WD; Barnard, AM; **Lott, DJ**; Senesac, CR; Wang, DJ; Walter, GA; Vandenborne, K. Identification of a magnetic resonance imaging biomarker for nonambulatory individuals with DMD. Muscular Dystrophy Association Annual Meeting. Dallas, TX, March, 2023.
- Willcocks RJ, Senesac, CR, **Lott DJ**, Forbes SC, Barnard AM, Arpan I, Triplett WT, Daniels MJ, Rooney

- WD, Walter GA, Subramony SH, Chahin NS, Sweeney HL, Vandeborne K. MRI fat fraction of arm and leg muscles is correlated with function in Becker muscular dystrophy. Muscular Dystrophy Association Annual Meeting. Dallas, TX, March 2023.
- Rock K, Barnard A, Willcocks R, Smith B, Prabhakaran S, **Lott D**, Forbes S, Rooney W, Daniels M, Walter G, Vandeborne K. Quantitative Magnetic Resonance to Assess Respiratory Muscle Quality and the Relationship to Function in Men with Becker Muscular Dystrophy. Neuromuscular Plasticity Symposium. Gainesville, FL, Feb 2023.
- Bellam P, Lopez C, Forbes SC, Willcocks RJ, Triplett WT, Brandsema J, Finanger EL, Rooney WD, Wang DJ, Barnard AM, **Lott DJ**, Senesac CR, Walter GA, Sweeney HL, Vandeborne K. Noninvasive methods to measure fat infiltration and performance in upper extremities of boys with DMD. American Physical Therapy's Combined Sections Meeting. San Diego, CA, Feb, 2023.
- Lott DJ**. Functional Mobility and Muscle Pathology in Myotonic Dystrophy Type 1
Invited talk for UF Center for Neurogenetics. Jacksonville, FL, December 2022.
- Willcocks RJ, Barnard AM, Forbes SC, Triplett WT, Brandsema J, Finanger EL, Rooney WD, Kim S, Wang DJ, **Lott DJ**, Senesac CR, Walter GA, Sweeney HL, Vandeborne K. Minimum Clinically Important Difference in Magnetic Resonance Biomarkers in DMD. International Annual Congress of the World Muscle Society, Halifax, Canada, Oct 2022.
- Griffis EJ, Makumi WA, Sweatland HM, Taivassalo T, **Lott DJ**, Dixon WE. Control Barrier Functions for Safe Admittance Control of a Rehabilitation Cycle for DMD. 2022 6th IEEE Conference on Control Technology and Applications, Trieste, Italy, August 2022.
- Lott DJ**. Magnetic Resonance Imaging and Myotonic Dystrophy Type 1. Invited talk for the Division of Neuromuscular Medicine, Department of Neurology, Virginia Commonwealth University, Richmond, VA, June 2022.
- Taivassalo T, Forbes SC, **Lott DJ**, Khan M, Berthy J, Norman S, Corti M, Russo J. Evaluation of cardiopulmonary responses to peak cycling exercise in DMD versus healthy age-matched peers. New Directions in Biology and Disease of Skeletal Muscle Conference, Ft. Lauderdale, FL, June 2022.
- Taivassalo T, **Lott DJ**, Forbes SC, Powers C, Walter GA, Vandeborne K, Sladky J, Stubbs K, Dixon WE, Sweeney HL. Impact and interplay of corticosteroid regimen and exercise training in boys with DMD. New Directions in Biology and Disease of Skeletal Muscle Conference, Ft. Lauderdale, FL, June 2022.
- Taivassalo T, Carvill A, **Lott DJ**, Stubbs K, Dixon WE, Forbes SC, Vandeborne K, Walter GA, Sweeney HL. Therapeutic potential of combined cycling and isometric strength training in patients with DMD: preliminary findings. 2022 Padua Days on Muscle & Mobility Medicine, Padua, Italy, March 2022.
- Willcocks RJ, Barnard AM, Forbes SC, Triplett WT, Brandsema J, Finanger EL, Rooney WD, Kim S, Wang DJ, **Lott DJ**, Senesac CR, Walter GA, Sweeney HL, Vandeborne K. Minimum Clinically Important Difference in Magnetic Resonance Spectroscopy Vastus Lateralis Muscle Fat Fraction in DMD. Muscular Dystrophy Association Conference, Nashville, TN, March 2022.
- Nair KS, Forbes SC, Barnard AM, Willcocks RJ, Rooney WD, **Lott DJ**, Finanger EL, Senesac CR, Brandsema J, Wang DJ, Walter GA, Vandeborne K. Longitudinal Assessment of Disease Progression in Duchenne Muscular Dystrophy Using Magnetic Resonance Imaging and North Star Ambulatory Assessment. Muscular Dystrophy Association Conference, Nashville, TN, March 2022.
- Tian S, Bomma M, Kosanam S, Pancione D, Khan M, Stubbs K, Dixon WE, **Lott DJ**, Taivassalo T. Development of cycle exercise prescription for boys with Duchenne muscular dystrophy. Neuromuscular Plasticity Symposium, Gainesville, FL, March 2022.
- Bellam P, Lopez C, Forbes SC, Willcocks RJ, Triplett WT, Brandsema J, Finanger EL, Rooney WD, Wang DJ, Barnard AM, **Lott DJ**, Senesac CR, Walter GA, Sweeney HL, Vandeborne K. Comparison of Dixon MR imaging and MR spectroscopy to quantify fat infiltration in arm muscles of boys with Duchenne muscular dystrophy. Neuromuscular Plasticity Symposium, Gainesville, FL, March 2022.

- Khan M, Norman S, Berthy J, Corti M, Forbes SC, **Lott DJ**, Taivassalo T. Evaluation of Cardiorespiratory Response to Exercise in Duchenne Muscular Dystrophy. Neuromuscular Plasticity Symposium, Gainesville, FL, March 2022.
- Lott DJ**. Magnetic Resonance Imaging in Myotonic Dystrophy Type 1. Combined FSHD Consortium/Myotonic Dystrophy Clinical Research Network Annual Meeting. Richmond, VA, Oct 2021.
- Lott DJ**. Development of a Strength Training Program in Duchenne Muscular Dystrophy. Invited Talk for the Grange Laboratory, Virginia Tech, Blacksburg, VA, July 2021.
- Lott DJ**, Vandenborne K. Magnetic resonance imaging in muscular dystrophies. Virtual FSHD 360 Conference, FSHD Society, June 2021.
- Lott DJ**, Carvill A, Powers C, Forbes, S, Vandenborne K, Stubbs K, Dixon W, Sweeney HL, Taivassalo T. A novel therapeutic exercise device for boys with DMD. New Directions in Biology and Disease of Skeletal Muscle Conference, Charleston, SC, June 2021.
- Barnard AM, **Lott DJ**, Riehl SL, Taivassalo T, Smith BK, Vandenborne K, Walter GA. Pulmonary function testing and the DMD care considerations. Parent Project Muscular Dystrophy Annual Conference, Virtual, June 2021.
- Donovan Lott & Tanja Taivassalo**. Exercise and Duchenne Muscular Dystrophy, Part 2. Invited talk for CureDuchenne Professional Webinar Series, May 2021.
- Goodwin H, DeVos E, Senesac CR, **Lott DJ**, Dunleavy K. Interprofessional collaboration among health professional students in a short term global health experience. National Academies of Practice Conference, Washington DC, March 2021.
- Chong D, Barnard AM, **Lott DJ**, Batra A, Riehl SL, Triplett WT, Vandenborne K, Forbes SC, Walter GA. Muscle fat fraction from magnetic resonance imaging as a biomarker for disease progression in limb-girdle muscular dystrophy recessive 1 (LGMDR1). Neuromuscular Plasticity symposium, Gainesville, FL, March 2021.
- Nair K, Forbes SC, Willcocks RJ, Barnard AM, **Lott DJ**, Senesac CR, Walter GA, Vandenborne K. Longitudinal assessment of disease progression in Duchenne muscular dystrophy using MR imaging and functional tests. Neuromuscular Plasticity symposium, Gainesville, FL, March 2021.
- Wallace M, Willcocks R, Wortman R, **Lott DJ**, Senesac C, Harrington A, Zilke K, Rooney W, Wang DJ, Walter G, Vandenborne K. Mid-femur cortical thickness and ambulatory function in boys with Duchenne muscular dystrophy. Neuromuscular Plasticity symposium, Gainesville, FL, March 2021.
- Alan Russell, Tina Duong, **Donovan Lott**. Muscle Health and Exercise in DMD. Invited talk for Parent Project Muscular Dystrophy's Annual Meeting, Virtual, July 2020.
- Batra A, **Lott DJ**, Barnard A, Willcocks RJ, Forbes SC, William T, Schmalfluss C, Vandenborne K, Walter GA. Alteration in cardiac functions of children with Duchenne Muscular Dystrophy as measured by Magnetic Resonance Imaging. LSU Health Science conference. New Orleans, LA. March 2020.
- Alison M Barnard; **Donovan J Lott**; Abhinandan Batra; Samuel L Riehl; Rebecca J Willcocks; William T Triplett; Barbara K Smith; Krista Vandenborne; Glenn A Walter. Respiratory muscle changes in Duchenne muscular dystrophy: Results from four years of prospective observation. Neuromuscular Plasticity symposium, Gainesville, FL, Feb 2020.
- Nair KS, **Lott DJ**, Barnard AM, Forbes SC, Willcocks RJ, Senesac CR, Walter GA, Vandenborne K. Link between step activity and magnetic resonance measures of muscle pathology in Duchenne muscular dystrophy. Neuromuscular Plasticity symposium, Gainesville, FL, Feb 2020.
- Lott DJ**. Exercise and DM1. Invited talk at Tampa Myotonic Dystrophy Support Group. Clearwater, FL. January 2020.
- Alison M Barnard; **Donovan J Lott**; Abhinandan Batra; Samuel L Riehl; Rebecca J Willcocks; William T Triplett; Barbara K Smith; Krista Vandenborne; Glenn A Walter. Longitudinal Study of Expiratory Muscle Fatty Replacement in Duchenne. Muscular Dystrophy. Muscular Dystrophy Association's Annual Meeting 2020.
- Lott DJ**. Skeletal Muscle Imaging in DM1. Invited talk given at the 2019 Myotonic Dystrophy Annual

Conference. Philadelphia, PA, Sept 2019.

Lott DJ. Mobility, Falls, Exercise, and Hand Function for Patients with Myotonic Dystrophy. Invited Presentation at the Myotonic Dystrophy Day at the University of Florida, Gainesville, FL, June 2019.

Katy Eichinger, Melissa Currence, Kieu Capron, Tina Duong, Richard Gee, Laura Herbelin, Galen Joe, Wendy King, and **Donovan Lott** on behalf of the Myotonic Dystrophy Clinical Research Network (DMCRN) Investigators. Contribution of Individual Muscle Groups to Functional Mobility Assessments in DM1. International Myotonic Dystrophy Consortium, Gothenberg, Sweden, June 2019.

Willcocks RJ, Alabasi UM, Forbes SC, Triplett WT, Rooney WD, Wang DJ, Senesac CR, **Lott DJ**, Finkel RS, Subramony SH, Tennekoon GI, Finanger EL, Russman BS, Byrne BJ, Walter GA, Sweeney HL, Vandeborne K. Relationships between body mass index, intramuscular fat, and functional performance in DMD. Parent Project Muscular Dystrophy Connect Conference, Orlando, FL, June 2019.

Willcocks RJ, Barnard AM, Arora HA, Forbes SC, **Lott DJ**, Harrington AT, Senesac CR, Triplett WT, Daniels MJ, Finanger EL, Finkel RS, Tennekoon GI, Wang DJ, Rooney WD, Walter GA, Sweeney HL, Vandeborne K. Development of contractures in DMD: Natural history data from the ImagingDMD study. Parent Project Muscular Dystrophy Connect Conference, Orlando, FL, June 2019.

Donovan J. Lott, Tanja Taivassalo, Hyun J. Park, Korey D. Cooke, Zahra Moslemi, Abhinandan Batra, Sean C. Forbes, Barry J. Byrne, Glenn A. Walter, Krista Vandeborne. Safety and feasibility of strength training in patients with Duchenne Muscular Dystrophy. ACSM's Annual Meeting, World Congress on Exercise is Medicine® and World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep, Orlando, FL, May, 2019.

Barnard, AM; **Lott, DJ**; Batra, A; Triplett, WT; Forbes, SC; Riehl, S; Willcocks, RJ; Smith, BK; Vandeborne, K; Walter, GA. Characterizing respiratory muscle composition and function in Duchenne muscular dystrophy using dynamic MRI and chemical shift-encoded imaging. Accepted for poster presentation at the International Society for Magnetic Resonance in Medicine conference. Montreal, Canada. May 2019.

Chrzanowski SM, Batra A, Taivassalo T, Willcocks R, **Lott D**, Vandeborne K, Walter GA. Diffuse optical tomography detects muscle damage in humans resulting from injury and Duchenne muscular dystrophy. Advances in Skeletal Muscle Biology in Health and Disease conference. Gainesville, FL. March 6-8, 2019.

Barnard, AM; **Lott, DJ**; Batra, A; Triplett, WT; Forbes, SC; Riehl, S; Willcocks, RJ; Smith, BK; Vandeborne, K; Walter, GA. Dynamic MRI during breathing and accessory respiratory muscle health in Duchenne muscular dystrophy. Advances in Skeletal Muscle Biology in Health and Disease. Gainesville, FL. March 2019.

Kamamma KS, Barnard AM, Willcocks, RJ, **Lott DJ**, Senesac CR, Harrington AT, Finanger EL, Tennekoon GI, Russman BS, Finkel RS, Wang DJ, Rooney WD, Walter GA, Vandeborne K. Evaluating Loss of Ambulation in Duchenne Muscular Dystrophy Using Clinical Tests and MRI. Advances in Skeletal Muscle Biology in Health and Disease conference. Gainesville, FL. March 6-8, 2019.

Kavya S Kamamma, PT, MPT, Rebecca J Willcocks, PhD, Alison M Barnard, PT, DPT, PhD, **Donovan J Lott**, PT, PhD, Claudia R Senesac, PT, PhD, Ann T Harrington, PT, DPT, PhD, Erika L Finanger, MD, Gihan I Tennekoon, MD, Barry S Russman, MD, Richard S Finkel, MD, Dah-Jyuu Wang, PhD, William D Rooney, PhD, Glenn A Walter, PhD, Krista Vandeborne, PT, PhD. Evaluating Late Ambulatory Status and Loss of Ambulation in Duchenne Muscular Dystrophy Using Clinical Tests and Magnetic Resonance Imaging. PPHP Research Day, Gainesville, FL, Feb 2019

Kamamma K, Willcocks RJ, Barnard AM, **Lott DJ**, Senesac CR, Arora H, Harrington AT, Finanger EL, Tennekoon GI, Russman B, Finkel RS, Wang DJ, Rooney WD, Walter GA, Vandeborne K. Functional performance and magnetic resonance imaging determined muscle involvement in

- Duchenne Muscular Dystrophy. APTA CSM Conference, Washington DC, January 2019.
- Lott DJ.** Development of a Strength Training Program in Duchenne Muscular Dystrophy. Invited Talk for the Department of Physical Therapy at University of Nevada Las Vegas, Las Vegas, NV, Oct 2018.
- Lott DJ,** Park HP, Moslemi Z, Cooke K, Forbes, SC, Walter, GA, Vandeborne K, Subramony S. Development of magnetic resonance imaging as an endpoint in myotonic dystrophy type 1. Invited presentation at the Myotonic Dystrophy Association Annual Meeting, Nashville, TN, Sept 2018.
- Subramony SH, Park HP, Moslemi Z, Forbes SC, Walter GA, Vandeborne K, **Lott DJ.** Magnetic Resonance Imaging of Forearm Muscles in Myotonic Dystrophy Type 1: Functional Correlates. Muscle Study Group Annual Meeting, Snowbird, UT, Sept, 2018.
- Lott DJ.** Muscle Imaging in DM1 and its relation with muscle function and strength. Invited Talk for the DM1 Mini Symposium, at the University of Iowa, Iowa City, IA, May 2018.
- Moslemi Z, Taivassalo T, Park HJ, Cooke KD, Forbes SC, Walter GA, Vandeborne K, Subramony SH, **Lott DJ.** Relationship of intramuscular fat of the tibialis anterior with strength and walking in people with myotonic dystrophy type 1. 13th Annual Neuromuscular Plasticity Symposium, Gainesville, FL, March 2018.
- Alabasi UM, Willcocks RJ, Forbes SC, Triplett WT, Rooney WD, Wang DJ, Arora H, **Lott DJ,** Barnard AM, Senesac CS, Finanger EL, Tennekoon GI, Sweeney HL, Walter GA, Vandeborne K. Association between arm muscle fat infiltration and functional performance in individuals with Duchenne muscular dystrophy. 13th Annual Neuromuscular Plasticity Symposium, Gainesville, FL, March 2018.
- Barnard AM, **Lott DJ,** Batra A, Triplett WT, Forbes SC, Riehl S, Willcocks RJ, Smith BK, Vandeborne K, Walter GA. Imaging respiratory muscle pathology and function in Duchenne muscular dystrophy. 13th Annual Neuromuscular Plasticity Symposium, Gainesville, FL, March 2018.
- Batra A, **Lott DJ,** Willcocks, RJ, Forbes SC, Barnard A, Triplett WT, Schmalfuss C, Vandeborne K, Walter GA. Longitudinal changes in cardiac strain and relationship to skeletal muscle involvement in Duchenne muscular dystrophy, 13th Annual Neuromuscular Plasticity Symposium, Gainesville, FL, March 2018.
- Kamamma KS, Willcocks RJ, Barnard AM, **Lott DJ,** Senesac CR, Arora H, Harrington AT, Tennekoon GI, Brandesma JF, Daniels MJ, Finanger EL, Walter GA, Vandeborne K. Characterization of walking performance and prediction of loss of ambulation in Duchenne muscular dystrophy. 2018 NMPT, Gainesville, FL, March 2018.
- Uffer JC, Barnard A, **Lott DJ,** Batra A, Willcocks RJ, Triplett WT, Forbes SC, Vandeborne K, Walter GA. Differential paraspinal muscle fatty infiltration along the spine in Duchenne muscular dystrophy. 13th Annual Neuromuscular Plasticity Symposium, Gainesville, FL, March 2018.
- Alabasi UM, Willcocks RJ, Forbes SC, Triplett WT, Rooney WD, Wang DJ, **Lott DJ,** Barnard AM, Senesac CR, Finanger EL, Tennekoon GI, Finkel RS, Russman BS, Byrne BJ, Walter GA, Sweeney HL, Vandeborne K. Intramuscular fat infiltration characterization of upper extremity muscles and functional performance association in individuals with Duchenne muscular dystrophy. School of Public Health and Health Professions Research Day. Gainesville, FL. April 2018.
- Barnard AM, **Lott DJ,** Batra A, Triplett WT, Forbes SC, Riehl S, Willcocks RJ, Smith BK, Vandeborne K, Walter GA. Imaging inspiratory muscle pathology and function in boys and young men with Duchenne muscular dystrophy. School of Public Health and Health Professions Research Day. Gainesville, FL. April 2018.
- Batra A, **Lott DJ,** Willcocks RJ, Forbes SC, Barnard A, William T, Schmalfuss C, Vandeborne K, Walter GA. Cardiomyopathy progression in Duchenne Muscular Dystrophy and its relation to skeletal muscle pathology. 2018 PHHP Research Day, Gainesville, Florida, April 2018.
- Willcocks RJ, Forbes SC, **Lott DJ,** Senesac CR, Arora H, Barnard AM, Harrington AT, Daniels MJ, Finanger EL, Tennekoon GI, Finkel RS, Wang DJ, Rooney WD, Walter GA, Sweeney HL, Vandeborne K. Magnetic resonance biomarkers in the proximal and distal upper extremity in a

- large cohort of boys with Duchenne muscular dystrophy. World Muscle Society Annual Meeting, Saint Malo, France, September 2017
- Barnard AM, **Lott DJ**, Batra A, Forbes SC, Triplett WT, Riehl S, Smith BK, Vandenborne K, Walter GA. Respiratory muscle composition and breathing dynamics assessed by MRI in Duchenne muscular dystrophy. *Imaging in Neuromuscular Disease*. Berlin, Germany, November, 2017.
- DJ Lott**, Korey D Cooke, Hyun J Park, Sean C Forbes, William T Triplett, Glenn A Walter, Krista Vandenborne, Tetsuo Ashizawa, Sankarasubramoney H Subramony. Upper and Lower Extremity Magnetic Resonance Imaging Correlates with Function & Strength in People with Myotonic Dystrophy Type 1. International Myotonic Dystrophy Consortium. San Francisco, CA. Sept 2017.
- Eichinger Katy, Dekdebrun Jeanne, Currence Melissa, Ching Willie, Duong Tina, Gee Richard, Herbelin Laura, Joe Galen, King Wendy, **Lott DJ**, Pandya Shree and the Myotonic Dystrophy Clinical Research Network. Test- retest reliability of strength and function measures across multiple sites in individuals with myotonic dystrophy type 1 (DM1). International Myotonic Dystrophy Consortium. San Francisco, CA. Sept 2017.
- Yacoubi B., Casamento-Moran A., **Lott DJ**, Subramony S.H., Christou E.A. Dysmetria in Myotonic Dystrophy type 1. International Myotonic Dystrophy Consortium. San Francisco, CA. Sept 2017.
- Christou E.A., Yacoubi B., Casamento-Moran A., **Lott DJ**, and Subramony S.H. Electromechanical Delay During Goal-directed Movements in Myotonic Dystrophy type 1. International Myotonic Dystrophy Consortium. San Francisco, CA. Sept 2017.
- Lott DJ**. Safety & Feasibility of a Strength Training Protocol in Duchenne Muscular Dystrophy. Invited talk for the Institute of Myology at the University of Florida, Gainesville, FL, Sept 2017.
- RJ Willcocks, AM Barnard, H Arora, SC Forbes, **DJ Lott**, AT Harrington, WT Triplett, MJ Daniels, EL Finanger, RS Finkel, GI Tennekoon, DJ Wang, WD Rooney, GA Walter, HL Sweeney, K Vandenborne. Quantitative magnetic resonance biomarkers are related to both lower and upper extremity function. PPMD Annual Meeting. Chicago, IL. June 2017.
- Arora, H; Willcocks, RJ; Forbes, SC; Rooney, WD; Triplett, WT; Wang, DJ; **Lott, DJ**; Senesac, CR; Barnard, AM; Harrington, AT; Zilke, KL; Finanger, EL; Tennekoon, GI; Russman, BS; Finkel, RS; Byrne, BJ; Sweeney, HL; Walter, GA & Vandenborne K. MRI muscle T2 correlates with upper extremity functional ability in boys with DMD. *Advances in Skeletal Muscle Biology in Health & Disease*. Gainesville, FL. March, 2017.
- Alabasi, Umar; Willcocks, Rebecca; Forbes, Sean; Triplett, Bill; Rooney, William; Wang, Dah-Jyuu; **Lott, DJ**; Finkel, Richard; Tennekoon, Gihan; Finanger, Erika; Russman, Barry; Byrne, Barry; Walter, Glenn; Sweeney, Lee; Vandenborne, Krista. Natural Disease Progression of Upper Extremity Muscles in Boys with Duchenne Muscular Dystrophy, Cross-sectional Study. *Advances in Skeletal Muscle Biology in Health & Disease*. Gainesville, FL. March, 2017.
- Alison Barnard; **DJ Lott**; Rebecca Willcocks; Sean Forbes; William Triplett; Abhinandan Batra; Barbara Smith; Krista Vandenborne; Glenn Walter. An MRI Investigation of Trunk Muscle Involvement and Effects on Expiratory Function in Duchenne Muscular Dystrophy. *Advances in Skeletal Muscle Biology in Health & Disease*. Gainesville, FL. March, 2017.
- Batra, Abhinandan; **Lott, DJ**; Willcocks, Rebecca W; Forbes, Sean C; Barnard, Alison; William, Triplett; Schmalfluss, Carsten M; Byrne, Barry J; Vandenborne, Krista; Walter, Glenn A. Cardiac MRI to assess cardiac remodeling in Duchenne Muscular Dystrophy. *Advances in Skeletal Muscle Biology in Health & Disease*. Gainesville, FL. March, 2017.
- Lott DJ**, Cooke KD, Park HJ, Black BM, Forbes SC, Byrne BJ, Walter GA, Vandenborne K. A Pilot Study for Mild to Moderate Intensity Resistance Exercise in Boys with Duchenne Muscular Dystrophy. American Physical Therapy's Combined Sections Meeting. San Antonio, Texas. February 15-18, 2017.
- Lott DJ**, Cooke KD, Park HJ, Deleyrolle P, Forbes SC, Walter GA, Vandenborne K, Ashizawa T, Subramony SH. Magnetic Resonance Imaging and Functional Abilities in People with Myotonic Dystrophy Type 1. Muscle Group Meeting. Snowbird, UT. September 24-26, 2016.
- Batra A, Abrogast J, Chrznowoski S, **Lott DJ**, Willcocks RJ, William T, Schmalfluss C, Vandenborne KH,

Walter GA. Relationship between Cardiac Muscle Involvement and Lower Limb Muscle Composition in DMD. New Directions in Biology and Disease of Skeletal Muscle Conference. June 29-July 2, 2016.

Lott DJ, Cooke KD, Park HJ, Forbes SC, Byrne BJ, Walter GA, Vandeborne K. Acute Effect of Mild-intensity Resistance Exercise in Boys with Duchenne Muscular Dystrophy: Preliminary Results. Parent Project Muscular Dystrophy's Annual Connect Conference. Orlando, Florida. June 26-29, 2016.

Willcocks RJ, Finanger ER, Senesac CR, **Lott DJ**, Finkel, RS, Tennekoon, GI, Byrne, BJ, Russman, BS, Vandeborne K. Fractures, supplements, and bisphosphonates: A retrospective review of boys with Duchenne Muscular Dystrophy enrolled in ImagingDMD. Parent Project Muscular Dystrophy's Annual Connect Conference. Orlando, Florida. June 26-29, 2016.

Arora H, Willcocks RJ, Forbes SC, Rooney WD, **Lott DJ**, Senesac CR, Zilke KL, Harrington AT, Wang DJ, Tennekoon GI, Finanger EL, Russman BS, Finkel RS, Triplett WT, Byrne BJ, Sweeney HL, Walter GA, Vandeborne K. Relationship between MR measures of muscle quality and functional ability in the upper extremity of boys with Duchenne Muscular Dystrophy. Parent Project Muscular Dystrophy's Annual Connect Conference. Orlando, Florida. June 26-29, 2016.

Thornton C, Moxley R, Day J, Ashizawa T, Barohn R, Leung D, Kissel J, Johnson N, Eichinger K, Hardage J, **Lott D**, Currence M, Stock C, King W, Hayes H, Bennett F, Bishop K, Mignon L. Study Design of a Phase 1/2a Trial with ISIS-DMPK_{Rx} for the treatment of Myotonic Dystrophy Type 1. American Academy of Neurology, April 18, 2016.

Alabasi U, Willcocks RJ, Forbes SC, Triplett WT, Rooney WD, Wang DJ, **Lott DJ**, Senesac CR, Finkel RS, Tennekoon GI, Finanger EL, Russman BS, Byrne BJ, Walter GA, Sweeney HL, Vandeborne K. Obesity Impact on Disease Progression in Boys with Duchenne Muscular Dystrophy Over 1-year Period. 29th Annual PHHP Research Day. Gainesville, Florida. April 13, 2016.

Arora H, Willcocks RJ, **Lott DJ**, Senesac CR, Forbes SC, Rooney WD, Walter GA, Vandeborne K. MR - Quantitative Measures to Study Arm Involvement in Boys with DMD. 29th Annual PHHP Research Day. Gainesville, Florida. April 13, 2016.

Barnard AM, Willcocks RJ, Finanger, EL, Triplett WT, Rooney WD, **Lott DJ**, Wang DJ, Senesac CR, Forbes SC, Tokay-Harrington AT, Daniels MJ, Finkel RS, Russman BS, Byrne BJ, Tennekoon GI, Glenn GA, Sweeney HL, Vandeborne K. Muscle Magnetic Resonance Measures Correlate with Functional Ability in DMD. 29th Annual PHHP Research Day. Gainesville, Florida. April 13, 2016.

Batra A, Abrogast J, Chrznowski S, **Lott DJ**, Willcocks RJ, William T, Schmalfluss C, Vandeborne KH, Walter GA. Non Invasive Monitoring of cardiomyopathy in Duchenne Muscular Dystrophy (DMD). 29th Annual PHHP Research Day. Gainesville, Florida. April 13, 2016.

Arora H, Willcocks RJ, **Lott DJ**, Senesac CR, Forbes SC, Rooney WD, Walter GA, Vandeborne K. Correlation of MRI and MRS with Performance of Upper Limb Functional Test in Boys with Duchenne Muscular Dystrophy. 11th Annual Neuromuscular Plasticity Symposium. Gainesville, Florida. March 11, 2016.

Barnard AM, Willcocks RJ, Finanger, EL, Triplett WT, Rooney WD, **Lott DJ**, Wang DJ, Senesac CR, Forbes SC, Tokay-Harrington AT, Daniels MJ, Finkel RS, Russman BS, Byrne BJ, Tennekoon GI, Glenn GA, Sweeney HL, Vandeborne K. Skeletal muscle magnetic resonance measures are linked to function and sentinel events in Duchenne muscular dystrophy. 11th Annual Neuromuscular Plasticity Symposium. Gainesville, FL. March 11, 2016.

Lee-McMullen BA, Chrzanowski SM, Vohra R, Willcocks R, Cunkle H, Powers C, Baligand C, Triplett W, Forbes S, **Lott D**, Senesac C, Edison AS, Vandeborne K, Walter GA. Metabolomic Analysis of Urine in Duchenne Muscular Dystrophy. 11th Annual Neuromuscular Plasticity Symposium. Gainesville, FL. March 11, 2016.

Arora H, Willcocks RJ, **Lott DJ**, Harrington AT, Senesac CR, Zilke KL, Tennekoon GI, Finanger EL, Finkel RS, Triplett WT, Byrne BJ, Walter GA, Sweeney HL, Vandeborne K. Longitudinal decline in functional performance in ambulatory boys with Duchenne Muscular Dystrophy.

American Physical Therapy Association -Combined Sections Meeting. Anaheim, California. February 17-20, 2016.

- Senesac, CR, Willcocks, RJ, **Lott, DJ**, Forbes, SC, Rooney, WD, Wang, DJ, Finanger, EL, Tokay-Harrington, AT, Tennekoon, GI, Finkel, RS, Russman, BS, Byrne, BJ, Walter, GA, Sweeney, HL, Vandenberg, K. ImagingDMD: MR Biomarkers in Duchenne Muscular Dystrophy: What we have learned in 5 years. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA. Feb 17-20, 2016.
- Alabasi U, Willcocks RJ, Forbes SC, Triplett WT, Rooney WD, Wang DJ, **Lott DJ**, Finkel RS, Tennekoon GI, Finanger EL, Russman BS, Byrne BJ, Walter GA, Sweeney HL, Vandenberg K. Effect of Obesity on Disease Progression in Boys with Duchenne Muscular Dystrophy over 1-year Period. 14th Biennial Advances in Skeletal Muscle Biology in Health and Disease. Gainesville, FL. Jan 20-22, 2016.
- Barnard AM, Willcocks RJ, Finanger, EL, Triplett WT, Rooney WD, **Lott DJ**, Wang DJ, Senesac CR, Forbes SC, Tokay-Harrington AT, Daniels MJ, Finkel RS, Russman BS, Byrne BJ, Tennekoon GI, Glenn GA, Sweeney HL, Vandenberg K. Magnetic resonance measures are correlated to functional ability in Duchenne muscular dystrophy. 14th Biennial Advances in Skeletal Muscle Biology in Health and Disease. Gainesville, FL. Jan 20-22, 2016.
- Batra A, Vohra R, Chrzanoski S, **Lott DJ**, Walter G, Vandenberg K, Forbes SC. Effect of PDE5A inhibitors on muscle damage and performance during progressive low intensity training in mdx mice. 14th Biennial Advances in Skeletal Muscle Biology in Health and Disease. Gainesville, FL. Jan 20-22, 2016.
- Barnard AM, Romero de Mello Sa SA, Willcocks RJ, Forbes SC, Rooney WD, Pham J, Hammers D, Triplett WT, **Lott DJ**, Senesac CR, Byrne BJ, Finanger EL, Russman BS, Wang DJ, Tennekoon GI, Finkel RS, Walter GA, Sweeney HL, Vandenberg K. Genetic polymorphisms modify intramuscular fat infiltration in Duchenne muscular dystrophy. 20th International World Muscle Society Conference. Brighton, UK. Sept 30-Oct 5, 2015.
- Willcocks, RJ, Forbes, SC, Triplett, BT, **Lott, DJ**, Senesac, CR, Nicholson, TR, Arora, H, Walter, GA, Vandenberg, K. Magnetic resonance measures of muscle size and quality are altered in the proximal and distal upper extremity of 7-16 year old boys with DMD. 20th International World Muscle Society Conference. Brighton, UK. Sept 30-Oct 5, 2015.
- Willcocks RJ, Forbes SC, Triplett WT, **Lott DJ**, Senesac CS, Nicholson T, Arora H, Walter GA, Vandenberg K. Magnetic resonance imaging of the arm and shoulder in boys with DMD. 20th International World Muscle Society Conference. Brighton, UK. Sept 30-Oct 5, 2015.
- Willcocks RJ, Triplett WT, **Lott DJ**, Forbes SC, Dastgir J, Bonnemann C, Vandenberg K, Walter GA. Quantitative MRI and MRS detect alterations in muscle quality in both congenital muscular dystrophy and Duchenne muscular dystrophy. 20th International World Muscle Society Conference. Brighton, UK. Sept 30-Oct 5, 2015.
- C. Nichols, T. Lehky, M. Waite, T. Duong, L. Nelson, K. Keller, **D. Lott**, K. Meilleur, J. Collins, J. Dastgir, C. Vuillerot, A. Rutkowski, S. Donkervoort, M. Leach, M. Jain, C. Bonnemann. Electrical impedance myography as a potential biomarker in individuals with COL6-related dystrophy. 20th International Congress of The World Muscle Society, Brighton, England, October 2015.
- Willcocks, RJ, Forbes, SC, Triplett, BT, **Lott, DJ**, Senesac, CR, Nicholson, TR, Arora, H, Walter, GA, Vandenberg, K. Magnetic resonance imaging of the arm and shoulder of boys with DMD. Parent Project Muscular Dystrophy's Annual Connect Conference. Washington, D.C. June 18-20, 2015.
- Lee-McMullen BA, Chrzanoski SM, Vohra R, Willcocks R, Cunkle H, Powers C, Baligand C, Triplett W, Forbes S, **Lott D**, Senesac C, Edison AS, Vandenberg K, Walter GA. Metabolomic Analysis of Urine in Boys with Duchenne Muscular Dystrophy. Metabolomics Society 2015, San Francisco, CA, June 2015.
- Lott DJ**, Cooke KD, Forbes SC, Jacobs AJ, George SZ, Vandenberg K. Validating a muscle damage protocol for eccentric loading of dorsiflexors using T2 MRI and NNLS. Presented as a Thematic Poster at ACSM's Annual Meeting, May 2015, San Diego, CA. Published in: *Medicine & Science in Sports & Exercise* Issue: Volume 47(5S) Supplement 1, May 2015, p 290–292 Copyright: ©

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- Sweeny HL, Willcocks RJ, Forbes SC, Rooney WD, Arpan I, Triplett WT, Daniels MJ, **Lott DJ**, Senesac C, Finkel RS, Byrne BJ, Finanger EL, Russman BS, Wang DJ, Tennekoon GI, Walter GA, Vandenborne K. Emerging Results from the Imaging DMD Study. 7th Annual UK Neuromuscular Translational Research Conference, UCL Institute of Child Health, March 2014.
- Ishu Arpan, RJ Willcocks, SC Forbes, **Donovan Lott**, Claudia Senesac, William Triplett, Michael Daniels, Barry Byrne, Bill Rooney, Erika Finanger, Richard Finkel, Barry Russman, Gihan Tennekoon, Dah-Jyuu Wang, Glenn Walter, H Lee Sweeney, Krista Vandenborne. MR supports therapeutic effects of corticosteroids in 5-7 year old boys with DMD. ISMRM Annual Meeting, Milan, Italy, May 2014.
- EL Finanger, J Pollaro, B Russman, **DJ Lott**, BJ Byrne, RS Finkel, GI Tennekoon, SC Forbes, GA Walter, K Vandenborne, WD Rooney. MRI measures of bone in Duchenne muscular dystrophy. 18th International Congress of The World Muscle Society, Asilomar/Monterey, CA, October 2013.
- Lott DJ**, Willcocks R, Tokay Harrington A, Zilke K, Senesac C, Finkel R, Russman B, Sweeney HL, Vandenborne K. Relationship between functional assessments and the six-minute walk test in boys with Duchenne muscular dystrophy. APTA's Combined Sections Meeting, Chicago, IL, Feb 2012.
- Vohra RS, **Lott DJ**, Mathur S, Germain SG, Senesac C, Deol J, Walter GA, Vandenborne K. Quantitative magnetic resonance assessment of lower leg muscles in Duchenne muscular dystrophy. APTA's Combined Sections Meeting, Chicago, IL, Feb 2012.
- Arpan I, Forbes SC, **Lott DJ**, Senesac C, de Vos S, Senesac E, Triplett W, Walter GA, Vandenborne K. Assessment of soleus muscle involvement in children with Duchenne muscular dystrophy using T2 mapping. APTA's Combined Sections Meeting, Chicago, IL, Feb 2012.
- Lott DJ**, Clark R, Forbes SC, Senesac C, Walter GA, Vandenborne K. Longitudinal Assessment of Activity, Muscle Composition, and Functional Ability in Children with Duchenne muscular dystrophy. ACSM's Annual Meeting, Denver, CO, June 2011.
- Lott DJ**, Urcuyo J, Senesac C, Deol J, Vandenborne K. Longitudinal assessment of physical activity in children with Duchenne muscular dystrophy. APTA's Combined Sections Meeting, New Orleans, LA, Feb 2011.
- Crawford R, **Lott DJ**, Senesac C, Forbes SC, Walter GA, Vandenborne K. Non-invasive assessment of muscle and function in patients with Duchenne muscular dystrophy. Public Health & Health Professions Research Day, University of Florida, Gainesville, FL, March 2011.
- Lott DJ**, Senesac C, Urcuyo J, Deol J, Arpan I, Senesac E, Vandenborne K. Daily step count, gait parameters, strength, and function in children with duchenne muscular dystrophy. ACSM's Annual Meeting, Baltimore, MD, June 2010.
- Forbes SC, Germain SA, **Lott DJ**, Vandenborne K, Walter GA. NNLS analyses of T2 in children with duchenne muscular dystrophy. ACSM's Annual Meeting, Baltimore, MD, June 2010.
- Deol J, Schmalfluss I, **Lott DJ**, Mathur S, Senesac C, Germain SA, Walter GA, Vandenborne K. Muscle pathology and functional ability in children with duchenne muscular dystrophy. ACSM's Annual Meeting, Baltimore, MD, June 2010.
- Arpan I, Forbes SC, **Lott DJ**, Senesac C, Germain SA, Sukumar M, Walter GA, Vandenborne K. Distribution of T2 in the soleus muscle of children with duchenne muscular dystrophy. ACSM's Annual Meeting, Baltimore, MD, June 2010.
- Akima H, Deol J, Germain SA, Senesac C, **Lott DJ**, Bendixen R, Walter GA, Vandenborne K. Skeletal muscle contractile and non-contractile components in boys with duchenne muscular dystrophy by MRI. ACSM's Annual Meeting, Baltimore, MD, June 2010.
- Veltri KN, Deol JK, **Lott DJ**, Senesac C, Schmalfluss I, Vandenborne K. Assessment of peroneal muscle size in boys with Duchenne muscular dystrophy. Public Health & Health Professions Research Day, University of Florida, Gainesville, FL, April 2010.
- Urcuyo J, **Lott DJ**, Senesac C, Deol J, Arpan I, Senesac E, Vandenborne K. Muscle composition, strength, and gait comparisons of boys with Duchenne muscular dystrophy. Public Health & Health Professions Research Day, University of Florida, Gainesville, FL, April 2010.

- Lott DJ**, Senesac C, Mathur S, Deol JK, Germain SA, Walter GA, Vandenborne K. Longitudinal examination of non-invasive measures of muscle pathology in children with Duchenne muscular dystrophy. APTA's Combined Sections Meeting, San Diego, CA, Feb 2010.
- Bishop MD, Horn ME, **Lott DJ**. Association among measures of pain experience and muscle damage in acute onset low back pain. APTA's Combined Sections Meeting, San Diego, CA, Feb 2010.
- Deol JK, Schmalfluss I, **Lott DJ**, Mathur S, Senesac C, Germain SA, Walter GA, Vandenborne, K. Magnetic resonance imaging as a qualitative assessment tool of muscle pathology in children with duchenne muscular dystrophy. APTA's Combined Sections Meeting, San Diego, CA, Feb 2010.
- Lott DJ**, Bendixen R, Mathur S, Senesac C, Kinsey A, Vandenborne K. Correlations between physical activity, function, and self-assessment of participation in children with duchenne muscular dystrophy. ACSM's Annual Meeting, Seattle, WA, May 2009.
- Bendixen R, Senesac C, Mathur S, **Lott DJ**, Deol J, & Vandenborne K. Impact of Muscle Dysfunction on Participation and Quality of Life in Boys with Duchenne Muscular Dystrophy. Society for Research in Child Development Biennial Meeting, Denver, CO, April 2-5, 2009.
- Kinsey A, **Lott DJ**, Mathur S, Senesac C, Germain SA, Vohra R, Walter GA, Vandenborne K. Gait and strength in boys with Duchenne muscular dystrophy. Public Health & Health Professions Research Day, University of Florida, Gainesville, FL, April 2009.
- Lott DJ**, Mathur S, Senesac C, Germain S, Kinsey A, Walter G, Vandenborne K. Gait function is related to muscle fat infiltration quantified via magnetic resonance spectroscopy in children with duchenne muscular dystrophy. APTA's Combined Sections, Meeting, Las Vegas, NV, February, 2009.
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