

# CURRICULUM VITAE

Therese E. Johnston, PT, MSPT, PhD, MBA  
Arcadia University

## **Education:**

Temple University, Philadelphia, PA (from 2000 to 2006), Physical Therapy, PhD, 2006

Arcadia University, Glenside, PA (from 1993 to 1995), Physical Therapy, MS, 1995

St. Joseph's University, Philadelphia, PA (from 1988 to 1991), Health Administration, MBA, 1991

University of Pennsylvania, Philadelphia, PA (from 1982-1986), Psychology, BA, 1986

## **Licensure Information:**

Pennsylvania PT009265L

## **Employment and Positions Held:**

Professor, Department of Physical Therapy, Arcadia University, Glenside, PA (from November 2021 to present)

Medical Office Director, Ossur Americas, Foothill Ranch, CA (from January 2021 to July 2021)

Professor, Department of Physical Therapy, Jefferson School of Health Professions, Thomas Jefferson University, Philadelphia, PA (from June 2018 to February 2021)

Associate Professor, Department of Physical Therapy, Jefferson School of Health Professions, Thomas Jefferson University, Philadelphia, PA (from Nov 2012-June 2018)

Per diem Physical Therapist, Magee Rehabilitation Hospital, Philadelphia, PA (from 1997-1999 and from 2008 to present)

Scientific Staff, Shriners Hospitals for Children, Philadelphia, PA (from 2005 to 2012)  
Assistant Professor, University of the Sciences, Department of Physical Therapy, Philadelphia, PA (from 2008 to 2012)

Research Associate, Shriners Hospitals for Children, Research Department, Philadelphia, PA (from 1997 to 2012: full time from 1997 to 2008, part time 2008-2012)

Adjunct Clinical Assistant Professor, Temple University College of Health Professions, Philadelphia, PA (from 2007 to 2008)

Research Advisor, Arcadia University, Physical Therapy Program, Glenside, PA (from 2000 to 2006)

Adjunct Faculty, Temple University School of Allied Health, Physical Therapy Department, Philadelphia, PA (from 1999-2001)  
Staff Physical Therapist, Moss Rehabilitation, Philadelphia, PA. (part-time from 1997 to 1998)

Staff Physical Therapist, Magee Rehabilitation Hospital, Philadelphia, PA (from 1995 to 1997)

Project Director, Lynch Community Homes, Malvern, PA (from 1986 to 1993)

**Peer Reviewed Publications:**

Meyers B, Calhoun CL, **Johnston TE**. Spinal Cord Injury. In: Campbell SK, Palisano RJ, Orlin MN (eds.). Physical Therapy for Children, 5th edition. St. Louis, MO: Elsevier, Inc., *in press, 2022*.

**Johnston TE**. NMES and FES in Patients with Neurologic Diagnoses. In: Bellew JW, Michlovitz SL, Nolan TP. Michlovitz's Modalities for Therapeutic Intervention, Seventh Edition. Philadelphia, PA: F. A. Davis Company, *in press 2022*.

Craven BC, Burns AS, Carbone L, Cirnigliaro CM, Cowley K, Eng J, Forrest G, Kiratli J, **Johnston TE**, Morgan S, Morse L, Troy K, Weaver F. Bone Health and Osteoporosis Management in Individuals with Spinal Cord Injury: Clinical Practice Guideline. Paralyzed Veterans of America, *in press 2022*.

Sansare A, Behboodi A, **Johnston TE**, Bodt B, Lee SCK, Characterizing Cycling Smoothness and Rhythm in Children with and without Cerebral Palsy. *Frontiers in Rehabilitation Sciences*. 2021;2:690046.

Alizadeh M, Manmatharayan A, **Johnston T**, Finley M, Detloff M, Sharan A, Newburg A, Krisa L, Mohamed F. Graph Theoretical Structural Connectome Analysis of the Brain in Patients with Chronic Spinal Cord Injury: Preliminary Investigation. *Spinal Cord Series and Cases*, 2021;7(1):60-67.

**Johnston TE**, Keller SA, Denzer-Weiler C, Brown LA. Clinical Practice Guideline for the Use of Ankle Foot Orthoses and Functional Electrical Stimulation Post Stroke. *J Neurol Phys Ther*. 2021; Apr 1;45(2):112-196.

**Johnston TE**, Jakavick AE, Mancuso CA, McGee KC, Wei L, Wright ML, Close J, Shimada A, Leiby B. Risk Factors for Stress Fractures in Female Runners: Results of a Survey. *International Journal of Sports Physical Therapy*, 2021;16(1):72-86.

**Johnston TE**, Dempsey C, Gilman F, Tomlinson R, Jacketti A, Close J. Physiological Factors of Female Runners with and without Stress Fracture Histories. *Sports Health*, 2020;12(4): 334-340.

**Johnston TE**, Close J, Jamora P, Wainwright SF. Perceptions of Risk for Stress Fractures: A Qualitative Study of Female Runners with and without Stress Fracture Histories. *Physical Therapy in Sport*, 2020;43:143-150.

Morse L, Biering-Sørensen F, Carbone L, Cervinka T, Cirnigliaro C, **Johnston TE**, Liu N, Troy K, Weaver F, Shuhart C, Craven B. Bone Mineral Density Testing in Spinal Cord Injury: the 2019 ISCD Official Positions. *Journal of Clinical Densitometry*, 2019;22(4):544-556.

**Johnston TE.** Assessment of Medical Screening and Clinical Reasoning Skills by Physical Therapy Students in a Simulated Patient Encounter. *Internet Journal of Allied Health Sciences and Practice.* 2018 Apr 05;16(2), Article 10.

**Johnston TE,** Baskins TA, Koppel RV, Oliver SA, Stieber DJ, Hoglund LT. Biomechanical Factors Related to Knee Pain in Cyclists: A Systematic Review of the Literature. *International Journal of Sports Physical Therapy.* 2017;12(7):1023-1033.

Streisfeld GM, Bartoszek C, Creran E, Inge B, McShane MD, **Johnston T.** Relationship Between Body Positioning, Muscle Activity, and Spinal Kinematics in Cyclists with and without Low Back Pain: A Systematic Review. *Sports Health.* 2017;9(1):75- 79.

**Johnston TE,** Marino RJ, Oleson CV, Schmidt-Read M, Leiby BE, Sendeck J, Singh H, Modlesky CM. Musculoskeletal Effects of Two Functional Electrical Stimulation Cycling Paradigms Conducted at Different Cadences for People with Spinal Cord Injury: A Pilot Study. *Archives of Physical Medicine and Rehabilitation.* 2016;97:1413-22.

Calhoun CL, Krey CH, **Johnston TE.** Spinal Cord Injury. In: Campbell SK, Palisano RJ, Orlin MN (eds.). *Physical Therapy for Children,* 4th edition. St. Louis, MO: Elsevier, Inc., 2016.

**Johnston TE.** NMES and FES in Patients with Neurologic Diagnoses. In: Bellew JW, Michlovitz SL, Nolan TP. Michlovitz's *Modalities for Therapeutic Intervention,* Sixth Edition. Philadelphia, PA: F. A. Davis Company, 2016:399-434.

Richardson RT, Nicholson KF, Rapp EA, **Johnston TE,** Richards JG. A comparison of acromion marker cluster calibration methods for estimating scapular kinematics during upper extremity ergometry. *Journal of Biomechanics.* 2016 May 3;49(7):1255-8.

**Johnston TE,** Krey CH. Pediatric Spinal Cord Injury. PTNow, 2017. <http://www.ptnow.org/clinical-summaries-detail/spinal-cord-injury-sci-in-children-adolescents>.

**Johnston TE,** Marino RJ, Oleson CV, Schmidt-Read M, Modlesky CM. Cycling with Functional Electrical Stimulation Pre and Post a Distal Femur Fracture in a Man with Paraplegia. *Topics in Spinal Cord Injury Rehabilitation.* 2015 Fall;21(4):275-281.

**Johnston TE,** Forst N, Jones K, Backus DA. Cycling with Functional Electrical Stimulation after Spinal Cord Injury: What's in it for me? *Archives of Physical Medicine and Rehabilitation.* 2015;96(8):1553-1554.

**Johnston TE.** Purposeful Error as a Diagnostic Tool to Assess Student Understanding and Determine Teaching Needs in the Neuromuscular Curriculum. *Journal of Physical Therapy Education.* 2015;29(1):19-24.

McDonald CM, **Johnston TE.** Metabolic Complications in Pediatric Spinal Cord Injury: Combining Optimal Exercise and Nutrition to Promote Health and Fitness. In: Vogel LC, Zebracki K, Bezt RR, Mulcahey MJ. *Spinal Cord Injury in the Child and Young Adult.* London, UK: Mac Keith Press, 2014:227-242.

**Johnston TE**, McDonald CM. Health and fitness in pediatric spinal cord injury: Medical issues and the role of exercise. *J Pediatr Rehabil Med.* 2013;6(1):35-44.

**Johnston TE**. NMES and FES in Patients with Neurologic Diagnoses. In: Michlovitz SL, Bellew JW, Nolan TP. *Modalities for Therapeutic Intervention, Fifth Edition.* Philadelphia, PA: F. A. Davis Company, 2012:303-331.

Gates PE, Banks D, **Johnston TE**, Campbell SR, Gaughan JP, Ross SA, Engsberg JR, Tucker CA. Randomized Controlled Trial Assessing Participation and Quality of Life in a Supported Speed Treadmill Training Exercise Program vs. a Strengthening Program for Children with Cerebral Palsy. *Journal of Pediatric Rehabilitation Medicine.* 2012;5(2):75-88.

Krey CH, **Johnston TE**, Shakhazizish KA, Massagli TL. Spinal Cord Injury. In: Campbell SK, Palisano RJ, Orlin MN (eds.). *Physical Therapy for Children, 4<sup>th</sup> edition.* St. Louis, MO: Elsevier, Inc., 2011:644-678.

**Johnston TE**, Modlesky CM, Betz RR, Lauer RT. Muscle Changes following Cycling and/or Electrical Stimulation in Pediatric Spinal Cord Injury. *Archives of Physical Medicine and Rehabilitation.* 2011;92:1937-43.

**Johnston TE**, Watson KE, Ross SA, Gates PE, Gaughan JP, Lauer RT, Tucker CA, Engsberg JR. Effects of a supported speed treadmill training exercise program on impairment and function for children with cerebral palsy. *Dev Med Child Neurol.* 2011;53(8):742-50.

Lauer RT, Smith BT, Mulcahey MJ, Betz RR, **Johnston TE**. Effects of Cycling with and without Electrical Stimulation on Bone Mineral Density in Children with Spinal Cord Injury. *Spinal Cord.* 2011;49(8):917-923.

**Johnston TE**, Wainwright SF. Cycling with Functional Electrical Stimulation in an Adult with Spastic Diplegic Cerebral Palsy: A Case Report. *Physical Therapy,* 2011; 91:970-982.

**Johnston TE**, Smith BT, Mulcahey MJ, Betz RR, Lauer RT. A Randomized Controlled Trial on the Effects of Cycling with and without Electrical Stimulation on Cardiorespiratory and Vascular Health in Children with Spinal Cord Injury. *Archives of Physical Medicine and Rehabilitation.* 2009;90:1379-1388.

**Johnston TE**, Betz RR, Lauer RT. The Impact of Cycling on Hip Subluxation in Children with Spinal Cord Injury. *Journal of Pediatric Orthopaedics.* 2009;29(4):402-405.

McRae CGA, **Johnston TE**, Lauer RT, Tokay AM, Lee SCK, Hunt KJ. Cycling for Children with Neuromuscular Impairments using Electrical Stimulation - Development of Tricycle-based Systems. *Medical Engineering and Physics,* 2009;31(6):650-659.

Chafetz R, **Johnston T**, Calhoun C. Lower Limb Orthoses for Persons with Spinal Cord Injury. In: Hsu JD, Michael JW, Fisk JR (eds). *Atlas of Orthoses and Assistive Devices, 4<sup>th</sup> edition.* Philadelphia, PA: Elsevier, 2008.

**Johnston TE**, Lauer RT, Lee SCK. The Effects of a Shank Guide on Cycling Biomechanics of an Adolescent with Cerebral Palsy. *Archives of Physical Medicine and Rehabilitation*, 2008;89:2025-2030.

Pierce SR, **Johnston TE**, Lauer RT, Shewokis PA. Examination of spasticity of the knee flexors and knee extensors using isokinetic dynamometry and clinical scales in children with spinal cord injury. *Journal of Spinal Cord Medicine*. 2008;31(2):208-214.

**Johnston TE**, Smith BT, Oladeji O, Betz RR, Lauer RT. Outcomes of a Home Cycling Program using Functional Electrical Stimulation or Passive Motion for Children with Spinal Cord Injury: A Case Series. *Journal of Spinal Cord Medicine*. 2008;31(2):215-221.

Chou LW, Lee SCK, **Johnston TE**, Binder-Macleod SA. Effectiveness of Progressively Increasing Stimulation Frequency and Intensity to Maintain Paralyzed Muscle Force during Repetitive Activation. *Archives of Physical Medicine and Rehabilitation*. 2008;89:856-864.

**Johnston TE**, Smith BT, Betz RR, Lauer RT. Exercise Testing using Upper Extremity Ergometry in Pediatric Spinal Cord Injury. *Pediatric Physical Therapy*. 2008;20(2):146-151.

Lauer RT, **Johnston TE**, Smith BT, Lee SCK. Lower extremity muscle activity during cycling in adolescents with and without cerebral palsy. *Clin Biomech (Bristol, Avon)*. 2008;23:442-449.

**Johnston TE**, Prosser LA, Lee SCK. Differences in Pedal Forces during Recumbent Cycling in Adolescents with and without Cerebral Palsy. *Clinical Biomechanics*. 2008;23:248-251.

**Johnston TE**, Barr AE, Lee SCK. Biomechanics of Recumbent Cycling in Adolescents with Cerebral Palsy with and without the Use of a Fixed Shank Guide. *Gait & Posture*. 2008;27:539-546.

Oladeji O, **Johnston TE**, Smith BT, Mulcahey MJ, Betz RR, Lauer RT. Quality of Life in Children with Spinal Cord Injury. *Pediatric Physical Therapy*. 2007, 19(4), 296-300.

**Johnston TE**. Biomechanical Considerations for Cycling Interventions in Rehabilitation. *Physical Therapy*. 2007;87:1243-1252.

Lauer RT, **Johnston TE**, Smith BT, Mulcahey MJ, Betz RR, Maurer AH. Bone mineral density of the hip and knee in children with spinal cord injury. *Journal of Spinal Cord Medicine*, 2007;30: S10-S14.

Ding J, Chou L, Kesar T, Lee SCK, **Johnston TE**, Wexler AS, Binder-Macleod SA. A mathematical model that predicts the force-intensity and force-frequency relationships of individuals with SCI. *Muscle and Nerve*, 2007;36:214-222.

**Johnston TE**, Barr AE, Lee SCK. The Biomechanics of Submaximal Recumbent Cycling in Adolescents with and without Cerebral Palsy. *Physical Therapy*. 2007;87:572-585.

Scott WB, Lee SCK, **Johnston TE**, Binkley J, Binder-Macleod SA. Effect of Electrical Stimulation Pattern on the Force Response of Paralyzed Human Quadriceps Muscles. *Muscle and Nerve*, 2007;35:471-478.

Davis R, **Johnston T**, Smith B, Betz R. Development of a Multi-functional 22-Channel Functional Electrical Stimulator for Paraplegia (Chapter 33). In: Bronzino JD (ed). *Biomedical Engineering Fundamentals*. Boca Raton, FL: CRC Press, 2006.

**Johnston TE**. Issues Surrounding Protection and Assent in Pediatric Research. *Pediatric Physical Therapy*. 2006;18:133-140.

Scott WB, Lee SCK, **Johnston TE**, Binkley J, Binder-Macleod SA. Contractile Properties and the Force-Frequency Relationship of the Paralyzed Human Quadriceps Muscle. *Physical Therapy*. 2006;86:788-799.

**Johnston, TE**. Muscle Weakness and Loss of Motor Performance. In: Michlovitz S, Nolan TP. *Modalities for Therapeutic Intervention 4<sup>th</sup> Ed*. Philadelphia, PA: F. A. Davis Company, 2005: 247-270.

**Johnston TE**, Betz RR, Smith BT, Benda BJ, Mulcahey MJ, Pontari MA, Davis R, Houdayer TP, Creasey GH, Barriskill A. Implantable FES System for Upright Mobility and Bladder/Bowel Function for Individuals with Spinal Cord Injury. *Spinal Cord*. 2005;43:713-723.

Kebaetse MB, Lee SCK, **Johnston TE**, Binder-Macleod SA. Strategies that improve paralyzed human quadriceps femoris muscle performance during repetitive, non-isometric contractions. *Archives of Physical Medicine and Rehabilitation*. 2005;86:2157-2164.

Orlin MN, Pierce SR, Laughton Stackhouse C, Smith BT, **Johnston TE**, Shewokis PA, McCarthy JJ. The Immediate Effect of Percutaneous Intramuscular Stimulation during Gait in Children with Cerebral Palsy: A Feasibility Study. *Developmental Medicine and Child Neurology*. 2005;47:684-690.

**Johnston TE**, Greco MN, Gaughan JP, Smith BT, Betz RR. Patterns of Lower Extremity Innervation in Pediatric Spinal Cord Injury. *Spinal Cord*. 2005;43:476-482.

**Johnston TE**, Smith BT, Betz RR. Strengthening of Partially Denervated Quadriceps Femoris using Percutaneous Electrical Stimulation in a Young Man with Spinal Cord Injury. *Archives of Physical Medicine and Rehabilitation*. 2005;86(5):1037-42.

Ding J, Lee SCK, **Johnston TE**, Wexler AS, Scott WB, Binder-Macleod SA. A Mathematical Model That Predicts Isometric Muscle Forces for Individuals with Spinal Cord Injuries. *Muscle & Nerve*. 2005;31(6):702-712.

Scott WB, Lee SCK, **Johnston TE**, Binder-Macleod SA. Switching Stimulation Patterns Improves Performance of Paralyzed Human Quadriceps Muscle. *Muscle and Nerve*. 2005; 31(5):581-8.

Chafetz RS, **Johnston TE**, Calhoun CL. Outcomes in Upright Mobility in Individuals with Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation*. 2005;10(4):94-108.

Pierce SR, Orlin MN, Lauer RT, **Johnston TE**, Smith BT, McCarthy JJ. Comparison of Percutaneous and Surface Functional Electrical Stimulation during Gait in a Child with Hemiplegic Cerebral Palsy. *American Journal of Physical Medicine & Rehabilitation*. 2004;83(10):798-805.

**Johnston TE**, Finson RL, McCarthy JJ, Smith BT, Betz RR, Mulcahey MJ. Use of Functional Electrical Stimulation to Augment Traditional Orthopaedic Surgery in Children with Cerebral Palsy. *Journal of Pediatric Orthopedics*. 2004;24:283-291.

Pierce SR, Laughton CA, Smith BT, Orlin MN, **Johnston TE**, McCarthy JJ. Direct Effect of Percutaneous Electrical Stimulation during Gait in Two Children with Hemiplegic Cerebral Palsy. *Archives of Physical Medicine and Rehabilitation*. 2004;85:339-343.

**Johnston TE**, Moore SE, Quinn LT, Smith BT. Energy Cost of Walking in Children with Cerebral Palsy: Relation to the Gross Motor Function Classification System. *Developmental Medicine and Child Neurology*. 2004;46:34-38.

**Johnston TE**, Finson RL, Smith BT, Bonaroti DM, Betz RR, Mulcahey MJ. The Effects of Percutaneous Functional Electrical Stimulation in Ambulatory Adolescents with Incomplete Spinal Cord Injury. *Journal of Spinal Cord Medicine*. 2003;26:390-400.

Daichman J, **Johnston TE**, Evans K, Tecklin JS. The Effects Of A NMES Home Program on Quadriceps Strength, Hamstring Muscle Spasticity, Gait, and Functional Motor Skills of a Child with Spastic Diplegic Cerebral Palsy: A Case Report. *Pediatric Physical Therapy*. 2003;15:153-158.

**Johnston TE**, Betz RR, Smith BT, Mulcahey MJ. Implanted Functional Electrical Stimulation: An Alternative for Standing and Walking in Pediatric Spinal Cord Injury. *Spinal Cord*. 2003;41(3):144-152.

Betz RR, **Johnston TE**, Smith BT, Mulcahey MJ, McCarthy JJ. Case Report: Three-year Follow-up of an Implanted Functional Electrical Stimulation System for Upright Mobility in a Child with a Thoracic Level Spinal Cord Injury. *Journal of Spinal Cord Medicine*. 2002;25(4):345-350. Spoltore T, Mulcahey MJ, **Johnston T**, Betz RR,

Morales V, Rebuck C. Innovative Programs for Children and Adolescents with Spinal Cord Injury. *Orthopedic Nursing*. 2000;19(3): 55-63.

#### **Published Abstracts of Peer Reviewed Presentations**

**Johnston TE**, Chase C, Fratoni S, Heim E, Orkin S, Patel B, Salvo C. Risk Factors for Stress Fractures in Female Runners: A Systematic Literature Review. APTA Physical Therapy Combined Sections Meeting, January 2019. *J Ortho & Sports Phys Ther*. 2019; 49(1):175-6.

**Johnston TE**, Dempsey C, Gilman F, Close J, Wainwright S. Biopsychosocial Factors of Female Runners with and without a History of Stress Fractures. Physical Therapy Combined Sections Meeting, January 2019. *J Ortho & Sports Phys Ther*. 2019; 49(1):43.

**Johnston TE**, Baskins T, Koppel R, Oliver S, Stieber D, Høglund LT. Biomechanical Factors Related to Knee Pain in Cyclists: A Systematic Review of the Literature. *JOSPT*, 2018;48(1):A131-132.

**Johnston TE**, Wainwright SF. Functional Electrical Stimulation Assisted Cycling in an Adult with Spastic Diplegic Cerebral Palsy. *Ped Phys Ther*, 2011;23(1):118.

**Johnston TE**, Wainwright S. Cycling with Functional Electrical Stimulation: A Case Report of an Ambulatory Adult with Cerebral Palsy. *Arch Phys Med Rehabil*, 2010;91(10):e45.

Watson KE, **Johnston TE**, Betz RR. A Home Based Treadmill Training Program for a Child with Cerebral Palsy: A Case Study. *Ped Phys Ther*, 2010;22(1):121.

**Johnston TE**, Watson K, Engsborg J, Ross SA, Gates PL, Tucker CA, Betz RR. Gait Changes following a Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy. *Ped Phys Ther*, 2010;22(1):97.

**Johnston TE**, Watson KE, Engsborg J, Ross SA, Gates PE, Tucker CA, Betz RR. Outcomes of a Treadmill Training Exercise Program for Marginally Ambulatory Children with Cerebral Palsy: A Preliminary Report. *Arch Phys Med Rehabil*, 2009;90(10):e14.

**Johnston TE**, Watson KE, Engsborg J, Ross SA, Gates PE, Tucker CA, Betz RR. Strength, Function and Gait Changes following a Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy: A Preliminary Report. *Dev Med Child Neurol*, 2009;51(s5):63.

Bulson M, Watson K, **Johnston TE**, Tucker CA. Speed Supported Treadmill Training Exercise Program (SSTTEP) for a Child with Cerebral Palsy: A Case Study. *Ped Phys Ther*, 2009;21(1):102-103.

**Johnston TE**, Watson K, Engsborg J, Ross SA, Gates PL, Tucker CA. Strength and function changes following a speed supported treadmill training exercise program (SSTTEP) for marginally ambulatory children with cerebral palsy: A preliminary report. *Ped Phys Ther*, 2009;21(1):91-92.

**Johnston TE**, Smith BT, Betz RR, Lauer RT. The Effects of FES Cycling for Children with Spinal Cord Injury. *Arch Phys Med Rehabil*, 2008;89(10):e1-2.

**Johnston TE**, Smith BT, Betz RR, Lauer RT. The Impact of Cycling and/or Electrical Stimulation on Hip Subluxation in Children with Spinal Cord Injury. *Pediatric Physical Therapy*, 2008;20:93.

**Johnston TE**, Prosser LA, Lee SCK. Pedal Forces during Cycling in Adolescents with and without Cerebral Palsy. *Pediatric Physical Therapy*, 2008;20:94.

**Johnston TE**, Lauer RT, Smith BT, Betz RR. Outcomes of Cycling and/or Electrical Stimulation for Children with Spinal Cord Injury. *Pediatric Physical Therapy*, 2007;19(1):80.



Lauer R, **Johnston T**, Oluwabunmi O, Smith B, Mulcahey MJ, Betz R. Musculoskeletal effects of cycling and or electrical stimulation in children with spinal cord injury. *J Spinal Cord Medicine*, 30(2), 171, 2007.

**Johnston TE**, Lauer RT, Oladeji O, Smith BT, Mulcahey MJ, Betz RR. Cardiovascular and respiratory effects of cycling and/or electrical stimulation in children with spinal cord injury. *Journal of Spinal Cord Medicine*, 2007;30:S192.

**Johnston TE**, Lee SCK, Smith BT, Lauer RT, Slater E. Muscle Activation Patterns during Cycling in Adolescents with and without Cerebral Palsy. *Developmental Medicine and Child Neurology*. 2006;106(48):43.

**Johnston TE**, Lauer RT, Smith BT, Betz RR. Cardiovascular Effects of Cycling and/or Electrical Stimulation in Pediatric Spinal Cord Injury. *Developmental Medicine and Child Neurology*. 2006;106(48):35.

Pierce S, **Johnston TE**, Lauer RT. Examination of Spasticity of the Knee Flexors and Knee Extensors using Isokinetic Dynamometry and Clinical Scales in Children with Spinal Cord Injury. *Journal of Neurologic Physical Therapy*, 2005;29:192.

**Johnston TE**, Lauer RT, Smith BT, Maurer AH, Betz RR. Bone Mineral Density in Children with Spinal Cord Injury. *Pediatric Physical Therapy*. 2006;18(1):75-76.

**Johnston TE**, Pierce SR, Laughton C, Smith BT. A Kinematic Analysis of Pelvic Motion during Gait in Children and Adolescents with Incomplete Spinal Cord Injury. *Journal of Spinal Cord Medicine*, 2004;27:S113.

Smith BT, Benda BJ, **Johnston TE**, Betz RR, Creasey G, Houdayer T, Barriskill A, Davis R. Improved Bladder/Bowel Management with the Praxis Functional Electrical Stimulation System. *Journal of Spinal Cord Medicine*, 2004;27:S116.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ, Benda BJ, Barriskill A, Davis R. Initial Experiences with the Praxis Functional Electrical Stimulation System for Upright Mobility. *Journal of Spinal Cord Medicine*, 2004;27:S119.

**Johnston TE**, Urban IM. Gait Characteristics of Children and Adolescents with Incomplete Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation*, 2000;6:215.

**Johnston TE**, Mulcahey MJ, Betz RR, Smith BT. Totally Implanted FES for Upright Mobility in an Adolescent with Paraplegia. *Ped Phys Ther* 10(4),1998.

### **Professional Presentations:**

**Johnston TE**, Craven BC, Cowley K, et al. Moving from Recommendations to Practice: Spinal Cord Injury Bone Health Pearls for Therapists. Accepted for the Paralyzed Veterans of American Summit, August 2022.

Craven BC, Burns A, Morse L, **Johnston TE**, et al. Moving from Recommendations to Practice: Bone Health Pearls for Physicians Treating Individuals with SCI. Accepted for the Paralyzed Veterans of American Summit, August 2022.

**Johnston TE**, Fox S, Hulcher T, Jackson J, Reynolds M, Vaccarella A, Wasser B. The Effect of Stance Width (Q-Factor) on Cycling Biomechanics & Knee Pain: A Case Series. APTA Physical Therapy Combined Sections Meeting, February 2021.

Morse L, Craven C, Biering-Soerensen F, **Johnston T**. The Official Positions of the International Society for Clinical Densitometry: Indications for Bone Density Testing in Spinal Cord Injury. American Spinal Injury Association conference, September 2020.

**Johnston TE**, Clodfelter A, DiNenno M, Eisenberg L, Kreider K, Nwanonyiri I. Risk Factors for Stress Fractures in Female Dancers: Report of an Online Survey. APTA Physical Therapy Combined Sections Meeting, February 2020.

**Johnston TE**, Jakavick A, Mancuso C, McGee K, Wei L, Wright M, Shimada A, Leiby B. Risk Factors for Stress Fractures in Female Runners: Report of an Online Survey. APTA Physical Therapy Combined Sections Meeting, February 2020.

**Johnston TE**, Gorgey AS, Forrest GF. Mechanical and Electrical Stimulation Paradigms to Improve Body Composition, Fiber type, Bone, Health in Adults and Children with Spinal Cord Injury. International Spinal Cord Injury Society, November 2019.

Morse L, Craven C, Biering-Soerensen F, **Johnston T**. The Official Positions of the International Society for Clinical Densitometry: Indications for Bone Density Testing in Spinal Cord Injury, International Spinal Cord Injury Society, November 2019.

Gorgey AS, **Johnston TE**, Forrest GF. Testosterone Replacement Therapy with and without exercise after Spinal Cord Injury. American Spinal Injury Association, April 2019.

**Johnston TE**, Brown LE, Denzer-Weiler C, Keller SA. AFO and FES for Foot Drop in Post-Stroke Hemiplegia: Clinical Practice Guideline. APTA Combined Sections Meeting, January 2019.

**Johnston TE**, Gorgey AS, Forrest GF. Electrical Stimulation Paradigms to Improve Bone and Muscle Health. International Spinal Cord Injury Society, September 2018.

**Johnston TE**, Chase C, Fratoni S, Heim E, Orkin S, Patel B, Salvo C. Risk Factors for Stress Fractures in Female Runners: A Systematic Literature Review. APTA Physical Therapy Combined Sections Meeting, January 2019. J Ortho & Sports Phys Ther. 2019; 49(1):175-6.

**Johnston TE**, Dempsey C, Gilman F, Close J, Wainwright S. Biopsychosocial Factors of Female Runners with and without a History of Stress Fractures. Physical Therapy Combined Sections Meeting, January 2019. J Ortho & Sports Phys Ther. 2019; 49(1):43.

**Johnston TE**, Krisa L, Saksema S, Conklin C, Fisher J, Alizadeh M, Mohamed F. Central Nervous System Plasticity in a Man with Motor Incomplete Tetraplegia International Spinal Cord Injury Society, September 2018.

**Johnston TE**, Baskins T, Koppel R, Oliver S, Stieber D, Høglund LT. Biomechanical Factors Related to Knee Pain in Cyclists: A Systematic Review of the Literature. APTA Combined Sections Meeting, February 2018.

**Johnston TE**, Krisa L, Saksema S, Conklin C, Alizadeh M, Fisher J, Mohamed F. Central Nervous System Connectivity in a Man with Motor Incomplete Tetraplegia. APTA Combined Sections Meeting, February 2018.

Brown L, **Johnston TE**, Denzer-Weiler C, Keller S, Kaplan S. Clinical Practice Guideline Appraisal Team Training Process and Outcomes. APTA Combined Sections Meeting, February 2018.

Forrest GF, Gorgey AS, **Johnston TE**. Multiple Training Paradigms of Functional Electrical Stimulation after a Spinal Cord Injury. American Congress of Rehabilitation Medicine, October 2017.

Gorgey AS, **Johnston TE**, Forrest GF. Rehabilitation Paradigms in Restoring Lean Mass and Bone Mass after Spinal Cord Injury. American Spinal Injury Association, April 2017.

Gorgey AS, **Johnston TE**, Forrest GF. Training Paradigms of Functional Electrical Stimulation and Exoskeleton in Persons with Spinal Cord Injury. American Congress of Rehabilitation Medicine, October 2016.

Singh H, **Johnston TE**, Modlesky CM. Do Skeletal Effects of Functional Electrical Stimulation Cycling Paradigm at Low Cadence Differ in Cervical vs Thoracic Spinal Cord Injury? American Spinal Injury Association, April 2016.

**Johnston TE**, Wood S, Scheppers M, French J, Bryden A. Technology for Upper Extremity Restoration and Rehabilitation: The tools we have and what is needed. American Spinal Injury Association, April 2016.

Tokay AH, **Johnston TE**. The Evolving Role of Mentorship: Exploring the Transition from Mentee to Mentor. Physical Therapy Combined Sections Meeting, Feb 2016.

**Johnston TE**, Shields RK, Forrest GF, Gorgey AS. Bone Health Post Spinal Cord Injury: Current State of the Knowledge and Evidence for Change following PT Interventions. Physical Therapy Combined Sections Meeting, Feb 2016.

**Johnston TE**, Carmack D, Fanto D, Llewellyn T, Parise E, Zabiegala K. The Effects of Upper Body Aerobic Exercise on Peak Aerobic Output in People with Spinal Cord Injury. American Congress of Rehabilitation Medicine, October 2015.

**Johnston TE**, Wood S, Scheppers M, French J. Technology for Upper Extremity Restoration and Rehabilitation: The tools we have and what is needed. American Congress of Rehabilitation Medicine, October 2015.

**Johnston TE**, Oleson CV, Modlesky CM. Cycling with Functional Electrical Stimulation Pre and Post a Distal Femur Fracture in a Man with Paraplegia. American Congress of Rehabilitation Medicine, October 2015.

**Johnston TE.** Use of Standardized Patients and Standardized Physicians during a Practical Examination Focused on Medical Screening. Interprofessional Simulation Conference at Widener University, July, 2015.

Levinson M, Hewston LA, Hunter L, **Johnston TE**, Pitts CV, Wainwright SF. Assessment of the DPT Professional Behavior Development Program at Graduation and 1-3 Years of Practice. Thomas Jefferson University Faculty Days, June 2015.

**Johnston TE**, Schmidt-Read M, Marino RJ, Oleson CV, Leiby BE, Modlesky CM. Musculoskeletal Effects of Two Functional Electrical Stimulation Cycling Paradigms for People with Spinal Cord Injury. APTA Combined Sections Meeting, February 2015.

**Johnston TE**, Schmidt-Read M, Marino RJ, Oleson CV, Leiby BE, Modlesky CM. Musculoskeletal Effects of Two Functional Electrical Stimulation Cycling Paradigms for People with Spinal Cord Injury. American Congress of Rehabilitation Medicine, October 2014.

Robertson E, Welk D, Dole RL, Hergenroeder A, Hoglund L, **Johnston T**, Schrieber J, Wainwright SF, Hack LM. Educating Patients, Colleagues and Students in the 21st Century. Pennsylvania Physical Therapy Association, October 2014.

Gorgey AS, Forrest GF, **Johnston TE**. The Outcomes of Clinical Trials Utilizing Electrical Stimulation Training in Persons with Spinal Cord Injury. American Congress of Rehabilitation Medicine, October 2014.

Johnston TE, Schmidt-Read M, Marino RJ, Oleson CV, Leiby BE, Modlesky CM. Musculoskeletal Effects of Two Functional Electrical Stimulation Cycling Paradigms for People With Spinal Cord Injury. American Society for Bone and Mineral Research, September 2014.

**Johnston TE**, Wolfram D, Herge EA. Simulation in a Culminating Physical Therapy Clinical Decision Making Course. Thomas Jefferson University Faculty Days, June 2014.

**Johnston TE**, Craik RL, Field-Fote E, Hall C, Maxwell J, Zeni J. Why didn't they like my grant proposal or manuscript? How to interpret and respond to reviewers' comments. Physical Therapy Combined Sections Meeting, February 2014.

**Johnston TE**, Mulcahey MJ, Behrman AL, Trimble S. Locomotor Training in Pediatric SCI: Special Considerations for Training and Outcomes Measurement. American Congress of Rehabilitation Medicine, November 2013.

Porter MW, **Johnston TE**, Marino R, Modlesky CM. Agreement in Distal Femur Bone Mineral Estimates Using Two Different Procedures in Adults with Spinal Cord Injury. American Society for Bone and Mineral Research, October 2013

**Johnston TE**, Bossert B, Mattia E, Porbansky B, Modlesky CM. Bone and Muscle Changes following Cycling with Functional Electrical Stimulation at Different Cadences in Two Women with Spinal Cord Injury. American Spinal Injury Association conference, May 2013.

**Johnston TE**, McDonald CM. Health and Fitness in Pediatric Spinal Cord Injury. American Spinal Injury Association conference, May 2013.

**Johnston TE**. Neurologic Examination Simulation as a Diagnostic Tool to Assess Student Understanding and Teaching Needs. Physical Therapy Combined Sections Meeting, January 2013.

McGinnis PQ, **Johnston TE**, Santasier A, Wainwright SF. Promise and Pitfalls: Tips for Success in Developing Mixed Methods Research Projects. Physical Therapy Combined Sections Meeting, January 2013.

French J, **Johnston TE**, Lombardo L, Tefertiller C. Functional Electrical Stimulation Programs in the Clinic and at Home for People with Spinal Cord Injury: Perspectives from the Clinician and the Consumer. Physical Therapy Combined Sections Meeting, January 2013.

**Johnston TE**, Backus DA, Bickel CS, Lee SCK, McCully K. Evidence for Health and Fitness Benefits of Functional Electrical Stimulation for People with Spinal Cord Injury. Physical Therapy Combined Sections Meeting, January 2013.

**Johnston TE**, Backus DA, McCully K. Health and Fitness Benefits of Functional Electrical Stimulation for People with SCI. American Congress of Rehabilitation Medicine and American Society for Neurorehabilitation, October 2012.

Faghri PD, Sisto SA, **Johnston TE**, Forrest GF. Health promotion and disease prevention across the lifespan in spinal cord injury: from pediatrics to geriatrics. American Congress of Rehabilitation Medicine and American Society for Neurorehabilitation, October 2012.

**Johnston, TE**, Bossert B, Mattia E, Porbansky B. Bone and Muscle Changes following Cycling with Functional Electrical Stimulation at Different Cadences: A Case Series of Two Women with Spinal Cord Injury. APTA Section on Research's Regenerative Medicine and Rehabilitation Retreat, August 2012.

Tefertiller C, French J, Lombardo L, **Johnston TE** Conducting a Functional Electrical Stimulation Program in the Clinic and at Home for People with SCI: Perspectives from the Clinician and the Consumer. American Spinal Injury Association conference, April 2012.

Backus DA, Johnston TE, O-Shea R. How to Do Research in a Small Teaching College or Clinical Setting: If Not NIH, Then What? Physical Therapy Combined Sections Meeting, February 2012.

Tefertiller C, French J, Lombardo L, **Johnston TE**. Functional Electrical Stimulation in Spinal Cord Injury: Clinician and Consumer Perspectives. American Congress of Rehabilitation Medicine and American Society for Neurorehabilitation, October 2011.

**Johnston TE**, Mulcahey MJ, Betz RR, Lauer RT. Effects of Cycling on Bone and Muscle in Pediatric Spinal Cord Injury. American Congress of Rehabilitation Medicine conference, October 2011.

**Johnston TE**, Mulcahey MJ, Betz RR, Lauer RT. Effects of Cycling on Bone and Muscle in Pediatric Spinal Cord Injury. ISCOS/ASIA conference, June 2011.

**Johnston TE**, Wainwright SF. Functional Electrical Stimulation Assisted Cycling in an Adult with Spastic Diplegic Cerebral Palsy. Physical Therapy Combined Sections Meeting, February 2011. *Ped Phys Ther*, 2011;23(1):118.

Backus DA, Brach JS, Gregory C, **Johnston TE**, Lee SCK, O'Shea R, Sisto SA. Let's Get to Business: Defining your needs, finding a mentor/mentors, and making the most of the mentor relationship. Physical Therapy Combined Sections Meeting, February 2011.

**Johnston TE**, Wainwright S. Cycling with Functional Electrical Stimulation: A Case Report of an Ambulatory Adult with Cerebral Palsy. American Congress of Rehabilitation Medicine conference October 2010. *Arch Phys Med Rehabil*, 2010;91(10):e45.

Watson KE, **Johnston TE**, Betz RR. A Home Based Treadmill Training Program for a Child with Cerebral Palsy: A Case Study. Physical Therapy Combined Sections Meeting, February 2010. *Ped Phys Ther*, 2010;22(1):121.

**Johnston TE**, Watson K, Engsberg J, Ross SA, Gates PL, Tucker CA, Betz RR. Gait Changes following a Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy. Physical Therapy Combined Sections Meeting, February 2010. *Ped Phys Ther*, 2010;22(1):97.

Backus DA, Brach JS, **Johnston TE**, Lee SCK, Sisto SA. The Road Less (or More) Traveled: The Many Paths to Success in a Research Career. Physical Therapy Combined Sections Meeting, February 2010.

**Johnston TE**, Watson KE, Engsberg J, Ross SA, Gates PE, Tucker CA, Betz RR. Outcomes of a Treadmill Training Exercise Program for Marginally Ambulatory Children with Cerebral Palsy: A Preliminary Report. American Congress of Rehabilitation Medicine conference October 2009. *Arch Phys Med Rehabil*, 2009;90(10):e14.

**Johnston TE**, Watson KE, Engsberg J, Ross SA, Gates PE, Tucker CA, Betz RR. Strength, Function and Gait Changes following a Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy: A Preliminary Report. American Academy of Cerebral Palsy and Developmental Medicine Conference, September 2009. *Dev Med Child Neurol*, 2009;51(s5):63.

Tokay AM, McRae CGA, **Johnston TE**, Lee SCK. Functional electrical stimulation-assisted cycling in adolescents with cerebral palsy. Physical Therapy Combined Sections Meeting, February 2009.

Bulson M, Watson K, **Johnston TE**, Tucker CA. Speed Supported Treadmill Training Exercise Program (SSTTEP) for a Child with Cerebral Palsy: A Case Study. Physical Therapy Combined Sections Meeting, February 2009. *Ped Phys Ther*, 2009;21(1):102-103.

**Johnston TE**, Watson K, Engsberg J, Ross SA, Gates PL, Tucker CA. Strength and

function changes following a speed supported treadmill training exercise program (SSTTEP) for marginally ambulatory children with cerebral palsy: A preliminary report. Physical Therapy Combined Sections Meeting, February 2009. *Ped Phys Ther*, 2009;21(1):91-92.

Backus DA, Brach JS; George SZ, Hall CD, **Johnston TE**, Lee SCK. The Business of Balancing Research, Service, and Teaching: A Program for Junior Faculty. Physical Therapy Combined Sections Meeting, February 2009.

Backus DA, **Johnston TE**. Health and Wellness Following Spinal Cord Injury: An Update on the Current Research. Physical Therapy Combined Sections Meeting, February 2009.

**Johnston TE**, Smith BT, Betz RR, Lauer RT. The Effects of FES Cycling for Children with Spinal Cord Injury. American Congress of Rehabilitation Medicine conference October 2008. *Arch Phys Med Rehabil*, 2008;89(10):e1-2.

**Johnston TE**, Smith BT, Betz RR, Lauer RT. The Impact of Cycling and/or Electrical Stimulation on Hip Subluxation in Children with Spinal Cord Injury. *Pediatric Physical Therapy*, 2008;20:93. Presented at Physical Therapy Combined Sections Meeting, 2008.

**Johnston TE**, Prosser LA, Lee SCK. Pedal Forces during Cycling in Adolescents with and without Cerebral Palsy. *Pediatric Physical Therapy*, 2008;20:94. Physical Therapy Combined Sections Meeting, 2008.

**Johnston TE**, Kaplan S. Roundtable: Dosing for Clinical Applications of Functional Electrical Stimulation to Promote Functional and Neurological Change: What We Know Now and What We Need to Know. Physical Therapy Combined Sections Meeting, February 2008

Backus DA, George SZ, **Johnston TE**. Becoming a PT Researcher OR So I Finished My PhD: What do I do now? Physical Therapy Combined Sections Meeting, February 2008.

**Johnston TE**, Smith BT, Mulcahey MJ, Betz RR, Lauer RT. Cycling with functional electrical stimulation in pediatric spinal cord injury: a case report. SICI Cycling Science Symposium, Denver, CO, January 2008.

Pierce SR, **Johnston TE**, Oladeji O, Lauer RT. A comparison of the effect of programs of lower extremity cycling and electrical stimulation on spasticity as measured by isokinetic dynamometry in children with spinal cord injury: a preliminary analysis. International Functional Electrical Stimulation Society Meeting, November 2007.

**Johnston TE**, Smith BT, Oladeji O, Betz RR, Mulcahey MJ, Lauer RT. Cardiovascular and Respiratory Effects of FES Cycling in Pediatric SCI. International Functional Electrical Stimulation Society Meeting, November 2007.

Lauer RT, Smith BT, Oladeji O, Betz RR, Mulcahey MJ, **Johnston TE**. Musculoskeletal Effects of Cycling and/or Electrical Stimulation in Pediatric SCI. International Functional Electrical Stimulation Society Meeting, November 2007.

McRae CGA, Lauer RT, **Johnston TE**, Smith BT, Hunt KJ, Binder-Macleod SA. FES cycling strategies for the child with a spinal cord injury using muscle force stimulation relationships - a case study. International Functional Electrical Stimulation Society Meeting, November 2007.

**Johnston TE**, Lauer RT, McRae CGA, Hunt KJ. New Approaches in FES Cycling to Enhance Therapeutic Outcomes. International Functional Electrical Stimulation Society Meeting, November 2007.

**Johnston TE**, Lauer RT, Smith BT, Mulcahey MJ, Betz RR. Outcomes of cycling and/or electrical stimulation for children with spinal cord injury. World Confederation for Physical Therapy Congress, June 2007.

**Johnston TE**, Barr AE, Lee SCK. The biomechanics of cycling in adolescents with and without cerebral palsy. World Confederation for Physical Therapy Congress, June 2007.

**Johnston TE**. Pediatric Applications of Functional Electrical Stimulation. Post-conference course. World Confederation for Physical Therapy Congress, June 2007.

Field-Fote E, Daly J, **Johnston T**, Prochazka A. FES Therapy after SCI: Functional, Physiological, Psychosocial, Bioengineering Outcomes. World Confederation for Physical Therapy Congress, June 2007.

**Johnston TE**, Lauer RT, Smith BT, Betz RR. Outcomes of Cycling and/or Electrical Stimulation for Children with Spinal Cord Injury. *Pediatric Physical Therapy*, 2007;19(1):80.

**Johnston TE**, Lee, SCK, Smith BT, Barr AE. The Biomechanics of Cycling in Adolescents with and without Cerebral Palsy. Gossman Graduate Student Forum, Physical Therapy Combined Sections Meeting, February 2007.

Backus DA, Behrman A, Kleim J, Morrison SA, **Johnston TE**. Plasticity Along the Neural Axis: How Should it Affect our Practice? Physical Therapy Combined Sections Meeting, February 2007.

Lauer R, **Johnston T**, Oluwabunmi O, Smith B, Mulcahey MJ, Betz R. Musculoskeletal effects of cycling and or electrical stimulation in children with spinal cord injury. *J Spinal Cord Medicine*, 30(2), 171, 2007. Injuries and Dysfunction of the Spinal Cord in Children, December 2006.

**Johnston TE**, Lauer RT, Oladeji O, Smith BT, Mulcahey MJ, Betz RR. Cardiovascular and respiratory effects of cycling and/or electrical stimulation in children with spinal cord injury. *Journal of Spinal Cord Medicine*, 2007;30:S192. Injuries and Dysfunction of the Spinal Cord in Children, December 2006.

Lauer RT, **Johnston TE**, Smith BT, Mulcahey MJ, Betz RR, Maurer AH. Hip and knee bone mineral density in children with spinal cord injury. Injuries and Dysfunction of the Spinal Cord in Children, December 2006.

**Johnston TE**, Lee SCK, Smith BT, Lauer RT, Slater E. Muscle Activation Patterns during Cycling in Adolescents with and without Cerebral Palsy. *Developmental Medicine and Child Neurology*. 2006;106(48):43.



**Johnston TE**, Lauer RT, Smith BT, Betz RR. Cardiovascular Effects of Cycling and/or Electrical Stimulation in Pediatric Spinal Cord Injury. *Developmental Medicine and Child Neurology*. 2006;106(48):35.

Pierce S, **Johnston TE**, Lauer RT. Examination of Spasticity of the Knee Flexors and Knee Extensors using Isokinetic Dynamometry and Clinical Scales in Children with Spinal Cord Injury. *Journal of Neurologic Physical Therapy*, 2005;29:192. Presented at Physical Therapy Combined Sections Meeting, February 2006.

**Johnston TE**, Lauer RT, Smith BT, Maurer AH, Betz RR. Bone Mineral Density in Children with Spinal Cord Injury. *Pediatric Physical Therapy*. 2006;18(1):75-76.

**Johnston TE**, Lauer RT, Smith BT. Differences in Scores between Children with Spinal Cord Injury and their Parents using the Pediatric Quality of Life Inventory. Physical Therapy Combined Sections Meeting, February 2006.

**Johnston TE**, Lauer RL, Chafetz R, Calhoun CL. Activity Based Rehabilitation. Injuries and Dysfunction of the Spinal Cord in Children. October 2005.

**Johnston TE**, Lee SCK, Tucker CA. Physical Fitness in Children with Cerebral Palsy Classified as GMFCS Levels III and IV. American Academy of Cerebral Palsy and Developmental Medicine Conference, September 2005.

Lee SCK, **Johnston T.E**, Bhowmik M, Ginder M, Greising J, Kleinberg M, Lind D, Stackhouse C. An Instrumented Recumbent Cycle for Studying Cycling Biomechanics. American Academy of Cerebral Palsy and Developmental Medicine Conference, September 2005.

**Johnston TE**, Lauer RT, Smith BT, Betz RR. Physiologic Responses to Arm and Leg Ergometry in Pediatric SCI. American Paraplegia Society, September 2005.

**Johnston TE**, Lauer RT, Smith BT, Betz RR. Physiologic Responses to Arm and Leg Ergometry in Pediatric SCI. American Academy of Cerebral Palsy and Developmental Medicine Conference, September 2005.

Calhoun CL, Chafetz R, **Johnston T**, Lauer R, Mulcahey MJ, Hutchinson D, Smith B, Betz R. Clinical and Research Activity Based Rehabilitation for Children with Spinal Cord Injury. American Academy of Cerebral Palsy and Developmental Medicine Conference, September 2005.

Smith BT, **Johnston TE**, Betz RR, Mulcahey MJ. Implanted FES for Upright Mobility in Paediatric Spinal Cord Injury: A Follow-up Report. 2nd International IEEE EMBS Special Topic Conference on Neural Engineering, March 2005.

**Johnston TE**, Greco MN, Gaughan JP, Smith BT, Betz RR. Patterns of Lower Extremity Innervation in Pediatric Spinal Cord Injury. International Functional Electrical Stimulation Society conference. September 2004.

**Johnston TE**, Lee SCK, Smith BT. Strengthening of a partially denervated muscle using percutaneous electrical stimulation: a case report. American Paraplegia Society conference, September 2004.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ. Implanted Functional Electrical Stimulation for Upright Mobility in Paediatric Spinal Cord Injury: A Follow-up Report. International Functional Electrical Stimulation Society conference. September 2004.

**Johnston TE**, Lee SCK. Use of NMES for Therapeutic and Functional Applications. AACPD Conference, Los Angeles, CA, September 2004.

**Johnston TE**, Lee SCK, Pierce S. A Primer on the use of NMES for Therapeutic and Functional Application. Instructional Course. Physical Therapy Combined Sections Meeting, February 2004.

**Johnston TE**, Benda BJ, Smith BT, Betz RR, Mulcahey MJ, Barriskill A, Davis R. The Praxis Multi-functional Functional Electrical Stimulation System for Individuals with Spinal Cord Injury. Physical Therapy Combined Sections Meeting, February 2004.

**Johnston TE**, Lee SCK, Smith BT. Strengthening of a partially denervated muscle using percutaneous electrical stimulation: a case report. Physical Therapy Combined Sections Meeting, February 2004.

**Johnston TE**, Pierce SR, Laughton C, Smith BT. A Kinematic Analysis of Pelvic Motion during Gait in Children and Adolescents with Incomplete Spinal Cord Injury. *Journal of Spinal Cord Medicine*, 2004;27:S113. Presented at Injuries and Dysfunction of the Spinal Cord in Children, December 2003.

Smith BT, Benda BJ, **Johnston TE**, Betz RR, Creasey G, Houdayer T, Barriskill A, Davis R. Improved Bladder/Bowel Management with the Praxis Functional Electrical Stimulation System. *Journal of Spinal Cord Medicine*, 2004;27:S116. Presented at Injuries and Dysfunction of the Spinal Cord in Children, December 2003.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ, Benda BJ, Barriskill A, Davis R. Initial Experiences with the Praxis Functional Electrical Stimulation System for Upright Mobility. *Journal of Spinal Cord Medicine*, 2004;27:S119. Presented at Injuries and Dysfunction of the Spinal Cord in Children, December 2003.

**Johnston TE**, Lee SCK, Smith BT. Strengthening of a partially denervated muscle using percutaneous electrical stimulation: a case report. Presented at Injuries and Dysfunction of the Spinal Cord in Children conference, December 2003.

**Johnston TE**, Smith BT, Betz RR, Benda BJ, Mulcahey MJ, Davis R, Barriskill A. Initial Experiences with Upright Mobility using the Praxis Multi-Functional Implanted FES System. Presented by Smith BT at the International Functional Electrical Stimulation Society conference. July 2003.

Benda BJ, Houdayer T, Creasey G, Barriskill A, Betz RR, Smith BT, **Johnston TE**, Davis R, The Praxis FES System and Bladder/Bowel Management in Patients with Spinal Cord Injury. International Functional Electrical Stimulation Society conference. July 2003.

Smith BT, Betz RR, **Johnston TE**, B Benda Mulcahey MJ, R Davis, Andrew Barriskill. Effectiveness of the Praxis FES System for Upright Mobility and Bladder Management for Individuals with Spinal Cord Injury. American Spinal Injury Association conference. April 2003.

Pierce SR, Laughton CA, **Johnston TE**, B Smith, J McCarthy. A Kinematic Analysis of Pelvic Motion During Gait in Children and Adolescents with Incomplete Spinal Cord Injury. ACRM conference. Philadelphia, PA, October 2002.

**Johnston TE**, Smith BT, Finson RL, Betz RR, McCarthy JJ, Mulcahey MJ. Functional Electrical Stimulation for Augmented Walking in Adolescents with Incomplete Spinal Cord Injury. ACRM conference. Philadelphia, PA, October 2002.

Smith BT, Betz RR, **Johnston TE**, Mulcahey MJ. Implantable FES System for Upright Mobility in the Growing Child with a Spinal Cord Injury. AACPDM Conference New Orleans, September 2002.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ. Stability of an Implanted Functional Electrical Stimulation System for Upright Mobility. American Paraplegia Society conference. September 2002.

**Johnston TE**, Lee SCK, Pierce S, Smith BT. Energy Cost of Walking in Children with Cerebral Palsy: Relation to Gross Motor Function Classification System Level. Developmental Medicine & Child Neurology, Supplement 91, 44(8):35, 2002. AACPDM Conference New Orleans, September 2002.

Pierce SR, **Johnston TE**, Smith BT, Orlin MN, McCarthy JJ. Effect of Percutaneous Electrical Stimulation on Ankle Kinematics in Children with Cerebral Palsy. AACPDM Conference New Orleans, September 2002.

Smith BT, Betz RR, **Johnston TE**, Mulcahey MJ. Implantable FES System for Upright Mobility in the Growing Child with a Spinal Cord Injury. AACPDM Conference New Orleans, September 2002.

Smith BT, Betz RR, **Johnston TE**, Benda BJ, Mulcahey MJ. Initial Experiences with the Praxis Multi-Functional Implantable FES System for Individuals with Spinal Cord Injury. FESNet 2002, Glasgow, Scotland, August 2002.

Betz RR, Smith BT, Benda B, **Johnston TE**, Mulcahey MJ, Middleton J, Davis G, Davis R, Cousins R, Barriskill A. Clinical Trial of the Praxis Multi-functional Implantable FES System for Paraplegia. International Functional Electrical Stimulation Society. July 2002.

Liggins AB, Coiro D, Lange GW, **Johnston TE**, Smith BT, McCarthy JJ. The Case for Using Instrumented Crutches During Gait Analysis. IEEE Northeast Bioengineering Conference, April 2002.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ, McCarthy JJ. Implanted Functional Electrical Stimulation for Upright Mobility in Pediatric Spinal Cord Injury: A Follow-up Report. IEEE Northeast Bioengineering Conference, April 2002.

Liggins AB, Coiro D, Lange GW, **Johnston TE**, Smith BT, McCarthy JJ. The Case for Using Instrumented Crutches during Gait Analysis. IEEE Northeast Bioengineering Conference, April 2002.

Pierce SR, **Johnston TE**, Smith BT, Orlin MN, McCarthy JJ. Effect of Ankle Percutaneous Electrical Stimulation on Ankle Kinematics in Children with Cerebral

Palsy. IEEE Northeast Bioengineering Conference, April 2002.

**Johnston TE**, Finson RL, McCarthy JJ, Smith BT. Functional electrical stimulation as an alternative to multiple surgical muscle lengthenings in ambulatory children with cerebral palsy. Physical Therapy Combined Sections Meeting, February 2002.

**Johnston TE**, Betz RR, Smith BT, Mulcahey MJ. Implanted functional electrical stimulation: an alternative for upright mobility in pediatric spinal cord injury. Physical Therapy Combined Sections Meeting, February 2002.

**Johnston TE**, Betz RR, Smith BT, Mulcahey MJ. An Implantable Functional Electrical Stimulation System for Upright Mobility in Children and Adolescents with Spinal Cord Injury. International Functional Electrical Stimulation Society conference, June 2001.

Betz RR, **Johnston TE**, Smith BT, Mulcahey MJ, McCarthy JJ. Percutaneous Implantable Functional Electrical Stimulation for Upright Mobility in Children with Spinal Cord Injury: Description of Surgical Technique. International Functional Electrical Stimulation Society conference, June 2001.

**Johnston TE**, Smith BT, Betz RR, Mulcahey MJ. An Implanted Neuroprosthesis versus Long Leg Braces for Upright Mobility in Children and Adolescents with Thoracic Spinal Cord Injury. Association of Children's Prosthetics-Orthotics Clinics conference, April 2001.

Daichman J, Evans K, **T Johnston**, Tecklin J. The effects of neuromuscular electrical stimulation on hamstring spasticity, quadriceps strength, gait, and gross motor functional abilities of a child with spastic diplegic cerebral palsy. Physical Therapy Combined Sections Meeting, February 2001.

**Johnston TE**, Urban IM. Gait Characteristics of Children and Adolescents with Incomplete Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation*, 2000;6:215.

**Johnston TE**. Implanted FES Applications in Spinal Cord Injury: Current Pediatric Research and FDA Approved Applications for Skeletally Mature Individuals. Physical Therapy Annual conference, 2000.

**Johnston TE**, Urban IM. Gait Characteristics of Children and Adolescents with Incomplete Spinal Cord Injury. American Paraplegia Society Annual Conference, September 2000, American Spinal Injury Association (ASIA) conference, April 2000, and Pediatric Spinal Cord Injury: Contemporary Principles and New Directions, December 1999.

**Johnston TE**. Lower Extremity Implant for Upright Mobility in Children and Adolescents with Paraplegia. Shriners Hospitals conference on FES and TES applications. October 1999.

**Johnston TE**, Mulcahey MJ, Smith BT, Betz RR. Percutaneous Electrical Stimulation Strengthening in an Adolescent with Incomplete Paraplegia. American Paraplegia Society (APS) Conference, Sept, 1999, and Physical Therapy '99 Conference, June, 1999.

**Johnston TE**, Mulcahey MJ, Betz RR, Smith BT. Totally Implanted FES for Upright Mobility in an Adolescent with Paraplegia. RESNA '99 Annual Conference, June, 1999 and APTA Combined Sections Meeting, February 1999 (Ped Phys Ther 10(4), Winter 1998).

Betz RR, **Johnston TE**, Mulcahey MJ, Smith BT. Implantable Functional Electrical Stimulation for Upright Mobility in Children: Preliminary Experience. ASIA Conference, April 1999.

Mulcahey MJ, Betz RR, BT.Smith, Davis SE, **Johnston TE**. The Satisfaction with Totally Implanted Functional Electrical Stimulation on Client-Directed Outcomes. ASIA Conference, April 1999.

**Johnston TE**, Mulcahey MJ, Betz RR, Weiss AA. Upper Extremity Tendon Transfers in Children with Cervical Spinal Cord Injury. APTA Combined Sections Meeting, February 1999.

**Non-Peer Reviewed Presentations:**

Brown LE, **Johnston TE**. A Clinical Practice Guideline for the Use of Ankle Foot Orthoses and Functional Electrical Stimulation Post Stroke. Rehab Week UK, September 2021.

**Johnston TE**, Brown LE. A Clinical Practice Guideline for the Use of Ankle Foot Orthoses and Functional Electrical Stimulation Post Stroke. International Functional Electrical Stimulation Society webinar, June 2021.

**Johnston TE**, Brown LE. A Clinical Practice Guideline for the Use of Ankle Foot Orthoses and Functional Electrical Stimulation Post Stroke. Pennsylvania Physical Therapy Association, Neurology Special Interest Group webinar, July 2021.

Brown LE, **Johnston TE**. Discussing the Clinical Practice Guideline for the Use of Ankle Foot Orthoses and Functional Electrical Stimulation Post Stroke, Academy of Neurologic Physical Therapy podcast, April 2021.

**Johnston T**, Brown L. Clinical Application of AFO and FES for Foot Drop in Individuals Post-Stroke. 40th Annual Neurorehabilitation Conference, Boston, MA, November 2019.

Craven CB, **Johnston TE**, Morse L, Sadowsky C. Point - Counter Point: Bone Health. American Spinal Injury Association, April 2019.

**Johnston TE**. FES in Spinal Cord Injury. Good Shepherd Penn Partners, Philadelphia, PA Nov 2015.

**Johnston TE**. Clinical Trials in Physical Therapy for Pediatric SCI for pre-conference course entitled Scientific Basis of Spinal Cord Injury Therapy. Howard H. Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction, Orlando, FL, Nov/Dec 2012.

**Johnston TE**. Evidence Based Interventions for Physical Fitness in Pediatric SCI. Howard H. Steel Conference: Pediatric Spinal Cord Injuries and Dysfunction, Orlando, FL, Nov/Dec 2012.

**Johnston TE.** FES Applications in Neurologic Populations (lecture and lab). IBRAMED International Scientific meeting, Amparo, Brazil, October, 2012.

**Johnston TE.** Understanding Spinal Cord Injury (SCI) in the Pediatric Population. Kentucky Appalachian Rural Rehabilitation Network Conference, Lexington, KY, September 2012.

**Johnston TE.** Spinal Cord Injury Rehab Across the Ages: Pediatrics, as part of Spinal Cord Injury – New Directions in Assessment, Repair, and Rehabilitation at the American Congress of Rehabilitation Medicine and the American Society for Neurorehabilitation conference. Oct 2011.

**Johnston TE.** Functional Electrical Stimulation in Rehabilitation. Association of Rehabilitation Nurses conference, Orlando, FL, Oct 2010.

**Johnston TE.** Transitioning from the Clinic to Academia. Widener Teaching and Learning Conference, Chester, PA, March 2009.

**Johnston TE.** Cycling as a Rehabilitation Tool for Orthopedic and Neurologic Conditions. Serotta International Cycling Institute, Cycling Science Symposium, Denver, CO, January 2008.

**Johnston TE.** Lower Extremity FES Applications at Shriners Hospitals for Children. Hong Kong Polytechnic Institute. June 2007.

**Johnston TE.** Neuromuscular Outcomes of FES for Children with Spinal Cord Injury. The Miami Project. November 2006.

**Funded/In Review Grant Activity:**

Thomas Jefferson University Office of the Provost

- Principal Investigator (no salary support): Provost's Pilot Clinical Research Award. The Effects of Saddle Position and Stance Width on Force and Moments at the Knee during Cycling. \$25,000. 7/1/19-6/30/20.
- Principal Investigator (no salary support): Provost's Pilot Clinical Research Award. Factors related to stress fractures in female runners and ballet dancers, \$25,000. 1/1/18-6/30/18.
- Principal Investigator (no salary support): Dean's Transformational Science Award. Cycling Biomechanics in Cyclists with Knee Pain: Integration of a Custom Pedal Interface for Measuring 3D Cycling Kinetics, \$50,000. Joint project with East Falls campus engineering department. 7/1/17-6/30/18.
- Principal Investigator (no salary support): Programmatic grant. Novel Measures of Central Nervous System Plasticity following Spinal Cord Injury. \$60,000. 5/15/16-6/30/17.

Co-leader (no salary support): Physical Therapy Management of Foot Drop using Ankle Foot Orthoses or Functional Electrical Stimulation in People with Post-Stroke Hemiplegia: A Clinical Practice Guideline. American Physical Therapy Association. \$10,000. 2/1/17-12/31/20.

Co-Investigator (6% effort): FES-Assisted Cycling to Improve Fitness and Strength in Children with CP. Five-year study with direct costs of \$1,968,230. PI: Samuel C.K. Lee, National Institutes of Health 1R01HD062588-01A1, 9/1/2010 to 6/30/2016.

Thomas Jefferson University College of Health Professions

- Principal Investigator (15% effort). Exercise Effects and Safety of Upper Extremity Ergometry for People with Tetraplegia. \$6642. 10/1/13 to 9/30/15.
- Principal Investigator (20% effort). Transcranial Magnetic Stimulation to Assess Cortical Representation in People with Spinal Cord Injury. \$3730. 10/1/13 to 9/30/15.

Principal Investigator (20% effort): The Effects of Two Functional Electrical Stimulation Cycling Paradigms. Two-year study with total costs of \$250,000. Craig H. Neilsen Foundation, 7/1/2010 to 6/30/2013.

Participant. R13 Research Network Conference Grant. Applications of FES Artificial Walking to Cerebral Palsy. PI: Jessica Rose, PhD. National Institutes of Health. 2009-2010.

Principal Investigator: FES Cycling in Adults with Cerebral Palsy, University of the Sciences in Philadelphia Internal funding to collect pilot data (\$4500), 2009 to 2012.

Shriners Hospitals for Children

- Co-investigator (20% effort): Funded for data analysis, dissemination, and grant writing across various studies. 2012.
- Co-investigator (varying effort): Funded at 25% effort (January – June) and 10% (July – December) for data analysis, dissemination, and grant writing. 2011.
- Co-investigator: (20% effort 2007-2009, 15% effort 2010): Supported Speed Treadmill Training Exercise Program (SSTTEP) for Marginally Ambulatory Children with Cerebral Palsy. Total direct costs of \$700,000. PI: Randal R. Betz, MD. 2007-2010.
- Co-investigator (5% effort): Functional Electrical Stimulation Assisted Cycling to Improve Fitness and Strength in Children with Cerebral Palsy. Total direct costs of \$800,000. PI: Samuel C.K. Lee, PT, PhD. 2008-2010.
- Co-investigator (100% effort). Cycling with Functional Electrical Stimulation for Children with Spinal Cord Injury. Total direct costs of \$1,291,500. PI: Richard T. Lauer, PhD. 2004-2006.

Principal Investigator. The Biomechanics of Cycling in Children with and without Cerebral Palsy. Total costs of \$5000. Pediatric Section of the American Physical Therapy Association, 2005.

### **Current/Active Research Activity:**

In process of reinstating research activity after returning to academia. Planned areas include spinal cord injury related work and work with runners.

### **Membership in Scientific/Professional Organizations:**

American Physical Therapy Association (neurology, pediatric, education, orthopedic, and research section member)

- Co-leader: Clinical Practice Guideline development group, Academy of Neurologic Physical Therapy, 2016-present.
- Vice-president for Academy of Physical Therapy Research (2019 to present)
- Secretary for Academy of Physical Therapy Research (2015 to 2019)
- House of Delegates representative from the Section on Research (2015 to 2019).
- Vice-Chair: Academy of Neurologic Physical Therapy Spinal Cord Injury Special Interest Group (2007 to 2010)

- Chair: Academy of Neurologic Physical Therapy Early Career Researcher SIG (February 2010 to Feb 2015, one of founding members)
- Member: Research Committee for Academy of Neurologic Physical Therapy (August 2010 to 2014)
- Member: Academy of Physical Therapy Research Eugene Michels Forum Committee (2011-2014, chair 2013-2014)
- International Functional Electrical Stimulation Society, Scientific Committee Member for Annual Conference 2007
- American Congress of Rehabilitation Medicine
- Secretary: Spinal Cord Injury Special Interest Group (2010-2016)
- Chair: FES Task Force within Spinal Cord Injury Special Interest Group (2010-2017)

### **Consultative and Advisory Positions Held:**

External reviewer for Tenure Review: Drexel University, September 2019.

External Examiner: Camila Quel De Oliveira. "Effects of Activity-Based Therapies for People with Spinal Cord Injuries." University of Sydney, June 2017.

National Institutes of Health Study Section grant reviewer: October 2016, June 2019.

External reviewer for Tenure Review: Wayne State University, September 2015.

Editorial Board Member, Topics in Spinal Cord Injury Rehabilitation 2014-present. *Guest editor* for special edition on Musculoskeletal Complications post Spinal Cord Injury.

Rett Syndrome Foundation grant reviewer, May 2015 and October 2017.

Thrasher Research Fund, December 2014.

Craig H. Neilsen Foundation grant reviewer March 2012. Letter of intent reviewer July 2017.

Veterans Affairs Rehabilitation, Research, and Development: Spinal Cord Injury and Musculoskeletal/General Rehabilitation Sections Grant Reviewer (twice/year, 2006 to 2013).

United States Department of Defense: Spinal Cord Injury Panel Grant Reviewer, January 2012, November 2012, December 2013, December 2015.

### **Student Mentoring**

#### Masters and PhD Students

- 1) Committee member: Nicole Zahradka. "When and what to stimulate? An evaluation of a custom functional electrical stimulation system and its neuroprosthetic effect." PhD in Biomechanics and Movement Science, University of Delaware, August 2016.
- 2) Committee member: Soshi Samejima. "Changes in Neuronal Activity Associated with Kinematic Strategies to Avoid Obstacles during Bipedal Stepping in the Rat." Master of Science degree, Thomas Jefferson University, October 2015.

#### Other Students Mentored

- 1) Jefferson Honors Program mentor: William Nguyen, Spring 2019.



- 2) Senior design engineering project co-mentor: Kathryn Avanzato, James Pollard, James Thornton, Saadeddine Traboulis. Development of instrumented pedals to measure cycling kinetics. Philadelphia University/Thomas Jefferson University. 2017/2018 academic year.
- 3) Senior design engineering project co-mentor: Kathryn Avanzato, James Pollard, James Thornton, Saadeddine Traboulis. Development of instrumented pedals to measure cycling kinetics. Philadelphia University/Thomas Jefferson University. 2017/2018 academic year.
- 4) Summer mentored internship: Melody Gajewski, 4th year engineering student, Philadelphia University, Summer 2017.
- 5) Senior design engineering project co-mentor: Gianna Bliss, Peter Mahal, Steven Schonewolf. Development of instrumented pedals to measure cycling kinetics. Philadelphia University/Thomas Jefferson University. 2016/2017 academic year.
- 6) Summer mentored research experience: Marina Zambrotta, 2<sup>nd</sup> year medical student, Thomas Jefferson University, Summer 2014.

**Community Service:**

Volunteer at numerous running races and triathlons (past 10 years)  
 Volunteer at bone marrow screening drives 2018 and 2019

**Services to the University/College/School on Committees/Councils/Commissions:**

University

Jefferson Research Committee: Member 2019-present.  
 Jefferson Committee on Research: Member 2016-2019. Member of 3 subcommittees 2017-2019.

College

Committee on Faculty Affairs: Member 2019-present.  
 Research Committee: Member 2014-2016, Chair 2015-2016.

Department

Awards and Scholarship committee: 2016-present.  
 Research Strategic Plan group: 2016-present.  
 Various short-term workgroups and task forces.

**Honors and Awards:**

Patricia Leahy Award for Learning Innovation, University of the Sciences, 2012.  
 IFESS (International Functional Electrical Stimulation Society) conference student scholarship. March 2001.

ASIA 1999 Conference: Poster presentation awarded third place.

**Continuing Education Attended:**

Rehabilitation Research 2020: Envisioning a Functional Future, NCMRR, virtual, October 2020.

American Spinal Injury Association Meeting, virtual, April 2020.

Physical Therapy Combined Sections Meeting, virtual, February 2020.

International Spinal Cord Injury Society Meeting, Nice, France, November 2019.

American Spinal Injury Association Meeting, Honolulu, HI, April 2019.

Physical Therapy Combined Sections Meeting, Washington DC, January 2019.

International Spinal Cord Society. Sydney, Australia, September 2018.

Metabolic Chaos: A Silent Epidemic Among Those with Impaired Movement. Richard Shields, PT, PhD 4/12/18 Drexel University.

Pain Management, Episode VIII: The Last Opioid. Steve George, PT, PhD, 3/15/18 Drexel University.

Physical Therapy Combined Sections Meeting, New Orleans, LA, February 2018.

Go Baby Go (Pediatric Mobility). Cole Galloway, PT, PhD, 1/10/18, Thomas Jefferson University.

Design Thinking in Rehabilitation Medicine: Design Team Presentation with Dr. Bon Ku, MD, 10/18/17, Thomas Jefferson University.

American Congress of Rehabilitation Medicine Annual Meeting, Atlanta, GA, October 2017.

Current Paradigms in the Active Treatment and Rehabilitation of Sports-Related Concussion. 7/26/17, Thomas Jefferson University.

An Epidemiologic Profile of Spinal Cord Injury: Trends and Future Implications and Long-term Outcomes of Pediatric Onset Spinal Cord Injury, 5/31/17. Thomas Jefferson University.

Physical Therapy Combined Sections Meeting, San Antonio, TX, February 2017.

NYC Neuromodulation Conference and tDCS workshop, New York, NY, January 2017.

American Congress of Rehabilitation Medicine Annual Meeting, Chicago, IL, October 2016.

APTA Clinical Practice Guideline Development Workshop, Alexandria, VA, August 2016.

IV STEP Conference, Columbus, OH, July 2016.

NIH Rehabilitation Research Symposium, Bethesda, MD, May 2016.

American Spinal Injury Association (ASIA), Philadelphia, PA, April 2016.

Physical Therapy Combined Sections Meeting, Anaheim, CA, February 2016.

**Current Teaching Responsibilities in the Entry-Level Program for Academic Year of Site Visit (2022):**

1	Spring	PT692	Differential Dx and Intervention Extremity 2	Modalities	Johnston, Terese	Instructor
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