

CURRICULUM VITAE – Elizabeth D. Thompson

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Education:

2013-2018 Temple University, Philadelphia, PA
PhD in Kinesiology, Integrative Exercise Physiology
Anticipate graduation Dec. 2018, dissertation defended Aug. 2018
Dissertation title: *Improving walking in individuals with Parkinson's disease through wearable technology*
(Advisor: John J. Jeka)
2005-2007 Temple University, Philadelphia, PA
Doctor of Physical Therapy
1998-2000 MCP-Hahnemann University, Philadelphia, PA
Master of Physical Therapy
1994-1998 University of Richmond, Richmond, VA
B.S. in Sport Science/Psychology/Music Performance

Licensure Information:

Pennsylvania Physical Therapist License #PT013387L

Certification(s):

Certified Neurologic Clinical Specialist, American Board of Physical Therapy Specialties
Certified Clinical Instructor, American Physical Therapy Association
Certified in Healthcare Provider CPR, American Heart Association
Certified LSVT BIG® Training Clinician, LSVT Global, Inc.

Employment and Positions Held:

2010-present Assistant Professor of Instruction in Physical Therapy, Department of Physical Therapy, College of Public Health, Temple University, Philadelphia, PA
2010-present Per-diem Physical Therapist, Magee Rehabilitation Hospital, Philadelphia, PA
2007-2010 Adjunct Instructor, Department of Physical Therapy and Rehabilitation Sciences, Drexel University, Philadelphia, PA
2006-2010 Advanced Clinician Physical Therapist, Stroke and Brain Injury, Magee Rehabilitation Hospital, Philadelphia, PA
2002-2006 Senior Staff and Staff Physical Therapist, Magee Rehabilitation Hospital, Philadelphia, PA
2000-2002 Staff Physical Therapist, Chestnut Hill Rehabilitation Hospital, Wyndmoor, PA

Peer Reviewed Publications

Reimann H, Fettrow T, Thompson ED, Jeka JJ. Neural control of balance during walking. *Frontiers in Physiology*. 2018 August. doi: 10.3389/fphys.2018.01271.

Glass SM, Napoli A, Thompson ED, Obeid I, Tucker CA. Validity of an automated balance error scoring system. *Journal of Applied Biomechanics*. 2018:1-16. doi: doi.org/10.1123/jab.2018-0056.

Anson E, Ma L, Meetam T, Thompson E, Rathore R, Dean V, Jeka J. Trunk motion visual feedback during walking improves dynamic balance in older adults: assessor blinded randomized controlled trial. *Gait & Posture*. 2018 May;62:342-8. doi: 10.1016/j.gaitpost.2018.03.044. Epub 2018 Mar 28.

Yu Y, Lauer RT, Tucker CA, Thompson ED, Keshner EA. Visual dependence affects postural sway responses to continuous visual field motion in individuals with cerebral palsy. *Developmental Neurorehabilitation*. 2018 Jan. doi: 10.1080/17518423.2018.1424265

Anson E, Thompson E, Ma L, Jeka J. Reliability and Fall Risk Detection for the BESTest and mini-BESTest in Older Adults. *Journal of Geriatric Physical Therapy*. 2017 Apr 26. doi: 10.1519/JPT.000000000000123. Epub ahead of print.

Anson E, Thompson E, Odle BL, Jeka J, Walls Z, Panus PC. The Influences of Age, Obesity and Adverse Drug Effects on Balance and Mobility Testing Scores in Ambulatory Older Adults. *Journal of Geriatric Physical Therapy*. 2017 Jan 10. doi: 10.1519/JPT.000000000000124. Epub ahead of print.

Reimann H, Fettrow T, Thompson E, Agada P, Jeka J, McFadyen B. Complementary mechanisms for upright balance during walking. *PLoS One*. 2017 Feb 24;12(2):e0172215. doi: 10.1371/journal.pone.0172215. eCollection 2017.

Thompson E, Agada P, Wright WG, Reimann H, Jeka J. Spatiotemporal gait changes with use of an arm swing cueing device in people with Parkinson's disease. *Gait & Posture*. 2017 Oct;58:46-51. doi: 10.1016/j.gaitpost.2017.07.001. Epub 2017 July 4.

Peer Reviewed Scientific and Professional Presentations:

Ma L, Reimann H, Fettrow T, Thompson E, Jeka J. "Visually induced fall prompts a greater center of pressure shift in older adults as compared to young adults during walking: preliminary study." American Physical Therapy Association, Combined Sections Meeting, 2/21-2/24/18, New Orleans, LA.

Thompson E, Reimann H, Fettrow T, Weiss S, Agada P, Wright WG, Jeka J. "Gait, balance, and quality of life in a person with Parkinson's disease following home training for larger arm swing: a case report." American Physical Therapy Association, Combined Sections Meeting, 2/21-2/24/18, New Orleans, LA.

Thompson ED, Reimann H, Fettrow TD, Agada P, Weiss S, Wright W, Jeka JJ. "Wearable technology to enhance mobility in Parkinson's disease." Neuroscience 2017, 11/11-11/15/17, Washington, D.C.

Reimann H, Fettrow TD, Thompson ED, Jeka JJ. "Balance responses to visual perturbations during walking." Neuroscience 2017, 11/11-11/15/17, Washington, D.C.

Anson E, Thompson E, Odle BL, Jeka J, Walls ZF, Panus PC. "Age, obesity and adverse drug effects influence balance and mobility testing scores in ambulatory older adults." American Physical Therapy Association, NEXT Annual Conference and Expo, 6/21-6/24/17, Boston, MA.

Thompson E, Reimann H, Fettrow T, Weiss S, Clizbe D, Lee MK, Agada P, Wright WG, Jeka J. "Improved interlimb coordination in walking in people with Parkinson's disease using an arm swing cuing device." American Physical Therapy Association, Combined Sections Meeting, 2/15-2/18/17, San Antonio, TX.

Thompson E, Reimann JH, Fettrow T, Agada P, Weiss S, Lee M, Jeka JJ. "Gait responses to haptic arm swing cues – pilot results of a novel wearable device." Neuroscience 2016, 11/12-11/16/16, San Diego, CA.

Thompson E, Agada P, Reimann H, Wright WG, Jeka JJ. "Improving walking in individuals with Parkinson's disease through wearable technology." 9th World Congress for NeuroRehabilitation, 5/10-5/13/16, Philadelphia, PA.

Thompson E, Agada P, Wright WG, Jeka JJ. "Encouraging larger movements outside of P.T.: pilot research with a new vibratory-feedback device to retrain gait in people with Parkinson's disease." American Physical Therapy Association, Combined Sections Meeting, 2/18-2/20/16, Anaheim, CA.

Yu Y, Keshner E, Thompson E, Tucker C, Lauer R. "Visual dependence influences postural responses to visual perturbation in adults with spastic cerebral palsy." American Physical Therapy Association, Combined Sections Meeting, 2/18-2/20/16, Anaheim, CA.

Yu Y, Keshner E, Tucker C, Thompson E, Lauer R. "Effect of visual dependence on postural responses to visual perturbation in spastic cerebral palsy." International Society for Posture and Gait Research World Congress for 2015, 6/28-7/2/15, Seville, Spain.

Ma L, Anson E, Thompson E, Jeka J. "Improvement of balance with trunk motion visual feedback treadmill walking in older adults: a randomized controlled trial." American Physical Therapy Association, Combined Sections Meeting, 2/2-2/7/15, Indianapolis, IA.

Thompson E, Keshner E, Tucker C, Yu Y, Skrzat J, Snell S, Chudnovskaya I, Lauer R. "Balance outcomes and fear of falling in adults with cerebral palsy." American Physical Therapy Association, Combined Sections Meeting, 2/2-2/7/15, Indianapolis, IA.

Hwang S, Kawata K, Ma L, Lee H, Moore LB, Agada P, Thompson ED, Krynetskiy E, Park J, Tierney R, Jeka JJ. "Vestibular-cognitive-postural effects and a biomarker signature from sub-concussive head impact." Neuroscience 2014, 11/15-11/19/14, Washington, D.C.

Yu Y, Keshner E, Tucker C, Thompson E, Lauer R. "Postural responses to visual and somatosensory perturbations in adults with cerebral palsy." American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting, 9/9-9/13/14, San Diego, CA.

Yu Y, Keshner E, Tucker C, Thompson E, Lauer R. "Postural responses to base of support and visual field in adults with cerebral palsy." International Society for Posture and Gait Research World Congress for 2014, 7/2-7/5/14, Vancouver, BC.

Awards/Honors:

Dissertation Research Fund Dissertation Grant, Temple Univ. Kinesiology Department, 2017:
"Arm swing when walking in natural environments for individuals with Parkinson's disease"
Mentor: John Jeka, PhD

Completed Research Activity:

R Lauer, Keshner E, Tucker C, E Thompson. "Balance and Posture in Adults with Cerebral Palsy" funded externally by NICHD/NIH Award #R01HD069769
April 2012-April 2016

Membership in Scientific/Professional Organizations:

Member, American Physical Therapy Association Neurology, Education, Research Sections	1998-present
Member, Pennsylvania Physical Therapy Association	1998-present
Member, International Society for Posture and Gait Research	2013-present
Member, Society for Neuroscience	2014-present
Member, International Parkinson and Movement Disorder Society	2015-present

Community/Professional Service:

Reviewer, <i>Physiotherapy Theory and Practice</i>	2018-present
Reviewer, <i>Journal of Motor Behavior</i>	2016-present
Reviewer, <i>Journal of Electromyography and Kinesiology</i>	2016-present
Reviewer, <i>Journal of Geriatric Physical Therapy</i>	2015-present
Member, APTA Neurology Section Practice Committee	2013-2015

Service to the University/College:

College Committees

- Academic Review Board, member and ad-hoc chair 2011-2013
- Graduate Council, member 2011-2012
- Salary Advisory Committee, member 2011-2012, 2014

Department Committees

- Professional Service, member 2011-2013
- Residency, member 2011-2012
- Curricular, member 2014-2017
- Academic Status, member 2011-2012, 2014-present
- Human Anatomy, member 2017-2018

Continuing Education Attended:

- 2018 APTA Combined Sections Meeting, APTA, February 2017
- 2017 APTA Combined Sections Meeting, APTA, February 2017
- LSVT BIG® Training and Certification Course. August 2016

- 2016 APTA Combined Sections Meeting, APTA. February 2016
- 2015 APTA Combined Sections Meeting, APTA. February 2015
- 2014 APTA Combined Sections Meeting, APTA. February 2014
- Neurology Section, APTA. Preconference to Combined Sections Meeting. January 2013
- 2013 APTA Combined Sections Meeting, APTA. January 2013
- Neurology Section, APTA. Preconference to Combined Sections Meeting. February 2012
- 2012 APTA Combined Sections Meeting, APTA. February 2012