

9/12/2024

Matthew J. Beerse

CURRICULUM VITAE

Office: Department of Health and Sport Science
University of Dayton
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Education

Ph.D.	Kinesiology	2018	Georgia State University Atlanta, Georgia
	Dissertation: "Development of motor adaptation to hopping on surfaces with different stiffness"		
	Committee: Jianhua Wu, Ph.D. Mark Geil, Ph.D. Feng Yang, Ph.D. Liang-Ching Tsai, Ph.D.		
M.S.	Exercise Science	2014	Georgia State University Atlanta, Georgia
	Thesis: "Effects of frequency on single-leg hopping in typically developing preadolescents"		
	Committee: Jianhua Wu, Ph.D. Mark Geil, Ph.D. Yong Tai Wang, Ph.D.		
B.S.	Biology	2012	Belmont Abbey College Belmont, NC

Professional Experience

Associate Professor
Health and Sport Science Department
University of Dayton, Dayton, OH

August 2024 – Present

Assistant Professor
Health and Sport Science Department
University of Dayton, Dayton, OH

August 2018 – August 2024

<i>Dean's Research Doctoral Fellow</i> Biomechanics Laboratory Georgia State University, Atlanta, GA	August 2014 – July 2018
<i>Graduate Teaching Assistant</i> Department of Kinesiology and Health Georgia State University, Atlanta, GA	August 2013-July 2014
<i>Personal Trainer Graduate Assistant</i> Student Recreation Center Georgia State University, Atlanta, GA	August 2012-July 2013
<i>Abstractor</i> 2018 Physical Activity Guidelines Advisory Committee ICF Consulting, Atlanta, GA	October 2016-September 2017
<i>Abstractor</i> Multiple Sclerosis Outcome Assessments Consortium Project Abstractor McKing Consulting Corporation, Atlanta, GA	March 2016-October 2016

Honors and Awards

The Brother Gerald O'Neil Inspirational Educator Award	University of Dayton	2022
School of Education and Health Sciences Scholarship Award for Tenure Track Faculty	University of Dayton	2021-2022
Outstanding Dissertation Award	Georgia State University	2019
Dean's Graduate Student Award for Commitment to the Discipline	Georgia State University	2018
Dean's Research Doctoral Fellowship	Georgia State University	2014 – 2018
Outstanding Doctoral Student Kinesiology	Georgia State University	2017
American Society of Biomechanics Student Travel Award	Georgia State University	2016
Outstanding Master of Science Student, Exercise Science	Georgia State University	2014
Conference Carolinas Academic All-Conference Team	Belmont Abbey College	2010-2012

Grant Support

Funded

Early motor and language development in infants with Down syndrome

National Institutes of Health – R21; \$442,071.00

Co-Investigator

The effect of video feedback on the exploration of motor solutions during the acquisition of a novel whole-body continuous motor skill

University of Dayton – Research Council Seed Grant-In-Aid; \$6,495

Principal Investigator; May 2022 – September 2022

MRI: Acquisition of a Caplex System for Human Movement Research and Research Training

National Science Foundation – CBET Major Research Instrumentation; \$280,784

Senior Personnel: August 2021 – July 2023

Application of SAMU-DISFIT Fitness Battery on Adults with Intellectual Disabilities and a Pilot Analysis of Tests Assessing Missing Fitness Component

University of Dayton – SEHS Summer Research Grant; \$5,000

Principal Investigator: May 2021 – September 2021

The effect of search on the adaptability of an acquired novel whole-body continuous motor skill

University of Dayton – Research Council Seed Grant-In-Aid; \$6,240

Principal Investigator; May 2020 – September 2020

The role of motor abundance during the learning of a novel whole-body continuous motor skill in young adults

University of Dayton - Research Council Seed Grant-In-Aid; \$6,500

Principal Investigator; May 2019 - September 2019

Development of motor adaptation to hopping on surfaces with different stiffness

Georgia State University - Dissertation Grant Award and CEHD Doctoral Dissertation Support Award; \$2,000

Student Principal Investigator, 2017

Not Funded

Establishing the fine motor function associated with fundamental cooking skills and validation of a criterion-based cooking skills test

National Institutes of Health – R15: \$449,809

Principal Investigator

Establishing cooking skill related fine motor control to inform the design of a high fidelity preschool intervention

National Institutes of Health – R15: \$449,180

Principal Investigator

Early motor and language development in infants with Down syndrome
National Institutes of Health – R21; \$442,071.00
Co-Investigator

Effect of trampoline hopping on counter-movement jump and continuous hopping on a stiff surface
American Society of Biomechanics – Graduate Student Grant In-Aid; \$2,000
Student Principal Investigator, 2017

The effects of frequency on hopping motor control strategies in children with Down syndrome
American Society of Biomechanics – Graduate Student Grant In-Aid; \$2,000
Student Principal Investigator, 2015

Peer-Reviewed Publications

1. **Beerse, M.**, Larsen, K., Alam, T., Talboy, A., Wu, J. (2024) Joint kinematics and SPM analysis of gait in children with and without Down syndrome. *Human Movement Science*, 95.
2. **Beerse, M.**, Alam, T., Wu, J. (2024) Dynamic gait stability in children with and without Down syndrome during overground walking. *Clinical Biomechanics*, 111.
3. Confer, C., Cuy Castellanos, D., **Beerse, M.**, Gonter-Dray, R. (2023) Parental perceptions of nutritional intake, cooking skills, and food skills among preschoolers. *Nutrition and Health*, 0(0).
4. **Beerse, M.**, Callahan, C., Barrios, J. (2023) Self-directed kinematic adjustments when learning the kettlebell swing in young adults. *Sports Biomechanics*, 1-17.
5. **Beerse, M.**, Wu, J. (2022) Lower limb joint functions during single-leg hopping in-place in children and adults. *Journal of Motor Behavior*, 54(5), 577-587.
6. **Beerse, M.**, Ferreira, D., Wu, J. (2022) Muscle activation pattern during two-legged hopping in children with and without Down syndrome. *Journal of Motor Behavior*, 54(1), 102-112.
7. **Beerse, M.**, Lelko, M., Wu, J. (2021) Acute effect of whole-body vibration on acceleration transmission and jumping performance in children. *Clinical Biomechanics*, 81, 105-123.
8. **Beerse M.**, Wu, J. (2021). Coordination dynamics of hopping on a mini-trampoline in young adults and children. *Gait and Posture*, 84, 175-181.
9. **Beerse M.**, Wu, J. (2020). Spring-like dynamics and neuromuscular strategies for hopping on a mini-trampoline in young adults and children. *Experimental Brain Research*, 238(9), 2087-2096.

10. **Beerse M.**, Bigelow, K., Barrios, J. (2020). The patterning of local variability during the acquisition of a novel whole-body continuous motor skill in young adults. *Experimental Brain Research*, 238(9), 1797-1812.
11. **Beerse, M.**, Wu, J. (2019). Neuromechanical control of leg length and orientation in children and adults during single-leg hopping. *Experimental Brain Research*, 237(7), 1745-1757.
12. Henderson, G., **Beerse, M.**, Liang, H., Ferreira, D., Wu, J. (2019) Improvement in overground walking after treadmill-based gait training in a child with agenesis of the corpus callosum. *Physical Therapy*, 100(1), 157-167.
13. **Beerse, M.**, Wu, J. (2019) Biomechanical analysis of the timed up-and-go (TUG) test in children with and without Down syndrome. *Gait and Posture*, 68, 409-414.
14. **Beerse, M.**, Henderson, G., Liang, H., Ajisafe, T., Wu, J. (2019) Variability of spatiotemporal gait parameters in children with and without Down syndrome during treadmill walking. *Gait and Posture*, 68, 207-212.
15. **Beerse, M.**, Wu, J. (2018) Vertical stiffness and balance control of two-legged hopping in-place in children with and without Down syndrome. *Gait and Posture*, 63, 39-45.
16. **Beerse, M.**, Wu, J. (2017) Comparison of whole-body vertical stiffness during single-leg hopping in place in children and adults. *Journal of Biomechanics*, 56(3), 71-75.
17. Liang H, **Beerse M**, Ke X, Wu J. (2017) Effect of whole-body vibration on center-of-mass movement during standing in children and young adults. *Gait and Posture*, 54, 148-153.
18. **Beerse, M.**, Wu, J. (2016). Vertical stiffness and center-of-mass movement in children and adults during single-leg hopping. *Journal of Biomechanics*, 49(14), 3306-3312.
19. Wu, J., **Beerse, M.**, Ajisafe, T, Liang H. (2015) Walking dynamics in preadolescents with and without Down syndrome. *Physical Therapy*, 95(5), 740-749.
20. Wu, J., Ajisafe, T., **Beerse, M.** (2015). Children display adult-like kinetic patterns in the time domain but not in the frequency domain, while walking with ankle load. *Journal of Applied Biomechanics*, 31(5), 292-308.
21. Wu, J., **Beerse, M.**, Ajisafe, T. (2014) Frequency domain analysis of ground reaction force in preadolescents with and without Down syndrome. *Res Dev Disabil.* 35 (6), 1244-1251.

Refereed Proceedings

1. Harmon, R., Cuy Castellanos, D., Atkins, N., **Beerse, M.** (2024) Association between fine motor function and fundamental cooking skills in children aged 3-5 years old. Poster presentation at the American Society of Biomechanics. August 5-8.
2. **Beerse, M.**, Bigelow, KE., Barrios, JA. (2024) The effect of motor solution exploration on the adaptability of an acquired motor skill. Poster presentation at the American Society of Biomechanics. August 5-8.
3. **Beerse, M.**, Zeid, R., Talboy, A., Ozcaliskan, S., Wu, J. (2024) Evaluation of joint kinematics during reaching in infants with Down syndrome: A comparison of video analysis and computer vision. Accepted for verbal presentation at North American Society for the Psychology of Sport and Physical Activity. June 5-8.
4. **Beerse, M.**, Zeid, R., Talboy, A., Ozcaliskan, S., Wu, J. (2024) Using OpenPose to track trunk control during reaching in infants with Down syndrome. Accepted for poster presentation at Gait and Clinical Movement Analysis Society. June 16-18.
5. **Beerse, M.**, Wu, J. (2023) The trampoline aftereffect in young adults and typically developing children. Accepted to the American Society of Biomechanics. August 8-11.
6. Kang YJ., Kim, H., **Beerse, M.**, Zeid, R., Underwood, P., Wu, J. (2023) The effects of unilateral ankle loading on spatiotemporal gait parameters during treadmill walking in children and adults. Accepted to the American Society of Biomechanics. August 8-11.
7. Vencel, D., **Beerse, M.**, Crecelius, A. (2023) Comparing amount of mechanical work and metabolic cost between two kettlebell swing protocols. Poster presentation at the American Physiology Summit. April 20-23.
8. Cuy Castellanos D., Confer C., Gonter-Dray R., **Beerse, M.** (2023) Parental perceptions of nutritional intake, cooking skills, and food skills among preschoolers. Accepted to Food & Nutrition Conference and Expo. October 7-10.
9. **Beerse, M.**, Harmon R., Gallo, G. (2023) Evaluation of physical fitness tests in adults with intellectual differences. Poster presentation at SHAPE America National Convention. March 28 – April 1.
10. **Beerse, M.**, Perry, B, Kinney, A, Barrios, J (2022) Estimation of patellar tendon load during bilateral and unilateral movements in young adults. Verbal presentation at North American Congress on Biomechanics. August 21-25.
11. Kim, H, **Beerse, M.**, Wu, J (2022) Effect of rhythmic auditory stimulation on gait patterns during treadmill walking. Accepted to the North American Congress on Biomechanics. August 21-25.
12. **Beerse, M.**, Wu, J (2021) SPM analysis of ankle kinetics during single-leg hopping in children and adults. Poster presentation at Dynamic Walking. Virtual, May 20.

13. **Beerse, M**, Callahan, C, Gallo, G, Barrios, J (2021) Joint kinematics and work adjustments in adults when learning the kettlebell swing without coaching. Poster presentation at American Society of Biomechanics. Virtual, August 10-13.
14. **Beerse, M**, Alam, T, Larsen, K, Wu, J (2021) Effect of walking speed on gait stability and joint kinematics in children with and without Down syndrome. Virtual presentation at American Society of Biomechanics. Virtual, August 10-13.
15. **Beerse, M**, Wu, J (2021) Differences of joint function between children and adults during hopping at different frequencies. Virtual presentation at American Society of Biomechanics. Virtual, August 10-13.
16. Kim, H, **Beerse, M**, Wu, J (2021) Gender difference in gait patterns of treadmill walking with unilateral loading. Accepted for presentation at American Society of Biomechanics. Virtual, August 10-13.
17. Larsen, K, **Beerse, M**, Alam, T, Wu, J (2021) Effect of walking speed and ankle load on joint kinematics and arm swing in children with and without Down syndrome. Poster presentation at North American Society for the Psychology of Sport and Physical Activity. Virtual, June 9-11.
18. **Beerse, M**, Alam, T, Larsen, K, Wu, J (2021) Gait dynamic stability in children with and without Down syndrome when walking at a fast speed and with ankle load. Verbal presentation at North American Society for the Psychology of Sport and Physical Activity. Virtual, June 9-11.
19. **Beerse, M**, Bigelow, KE, Barrios, JA (2021) Individual differences of variance restructuring when acquiring a kettlebell swing motor task in young adults. Verbal presentation at North American Society for the Psychology of Sport and Physical Activity. Virtual, June 9-11.
20. **Beerse, M**, Bigelow, KE, Barrios, JA (2020) The patterning of local variability during the acquisition of a whole-body continuous motor skill in young adults. Poster presentation at American Society of Biomechanics. Atlanta, GA, August 4-7.
21. Kim, H, **Beerse, M**, Wu, J (2020) Effect of unilateral ankle loading on spatiotemporal gait parameters during treadmill walking. Accepted to American Society of Biomechanics. Atlanta, GA, August 4-7.
22. Wu, J, **Beerse, M** (2020) Rhythmic timing control during two-legged hopping in children with and without Down syndrome. Accepted to International Motor Development Research Consortium. Charleston, SC, October 11-13.
23. **Beerse, M**, Wu, J (2020) Coordination dynamics of hopping on a mini-trampoline in adults and children. Virtual presentation at North American Society for the Psychology of

Sport and Physical Activity. Vancouver, CAN, June 11-12.

24. **Beerse, M**, Henderson, G, Wu, J (2020) Kinematic coordination of gait at different walking speeds in children with and without Down syndrome. Virtual presentation at North American Society for the Psychology of Sport and Physical Activity. Vancouver, CAN, June 11-12.
25. **Beerse, M**, Wu, J (2019) Biomechanical adaptation to mini-trampoline hopping in children with Down syndrome compared to typically developing peers. Podium presentation at North American Society for the Psychology of Sport and Physical Activity. Baltimore, MD, June 6-8.
26. **Beerse, M**, Wu, J (2019) Influence of metronome cue on muscle activation patterns and variability during two-legged hopping in children with and without Down syndrome. Podium presentation at North American Society for the Psychology of Sport and Physical Activity. Baltimore, MD, June 6-8.
27. **Beerse, M**, Lelko, M, Wu, J (2019) Whole-body vibration acceleration transmission and neuromuscular response in children. Podium presentation at Midwest Regional American Society of Biomechanics Meeting. Dayton, OH, February 28 – March 1.
28. **Beerse, M**, Wu, J (2019) Biomechanical adaptation to mini-trampoline hopping in children with Down syndrome compared to typically developing peers. Accepted to Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities: Translational Research on Down Syndrome. San Antonio, TX, April 3-5.
29. **Beerse M**, Wu J (2018) Two-leg hopping and frequency matching in children with Down syndrome. Poster presentation at North American Society for the Psychology of Sport and Physical Activity (NASPSPA). Denver, CO, June 21-23.
30. **Beerse M**, Lelko M, Wu J (2018) Children with Down syndrome display typical intersegmental coordination during turning phase of Timed Up-and-Go test. Podium presentation at North American Society for the Psychology of Sport and Physical Activity (NASPSPA). Denver, CO, June 21-23.
31. Henderson G, **Beerse M**, Jianhua Wu (2018) Changes in gait kinematics after treadmill training in a child with agenesis of the corpus callosum. Poster presentation at the American Physical Therapy Association (APTA) combined sections meeting (CSM). New Orleans, LA, February 21-24.
32. Henderson G, **Beerse M**, Jianhua Wu (2017) Changes in spatiotemporal gait parameters following treadmill training in a child with agenesis of the corpus callosum: a case study. Poster presentation at the Academy of Pediatric Physical Therapy annual conference. Cincinnati, OH, November 17-19.
33. Henderson G, **Beerse M**, Liang H, Ferreira D, Jianhua Wu (2017) Changes in gait

parameters following treadmill training in children with agenesis of the corpus callosum. Poster presentation at the American Congress of Rehabilitation Medicine (ACRM) 94th Annual Conference, Progress in Rehabilitation Medicine. Atlanta, GA, October 23-28.

34. **Beerse M**, Lelko M, Wu J. (2017) Biomechanical analysis of Timed Up-and-Go (TUG) test in children with and without Down syndrome. Poster presentation at the American Society of Biomechanics, Boulder CO, August 8-11.
35. **Beerse M** & Wu J. (2017) Effect of frequency on whole body movement in children with and without Down syndrome during two-legged hopping in-place. Poster presentation at the American Society of Biomechanics, Boulder CO, August 8-11.
36. **Beerse M** & Wu J. (2017) Stabilization of leg length and orientation across different hopping frequencies in children and adults: a UCM analysis. Poster presentation at the American Society of Biomechanics, Boulder CO, August 8-11.
37. Wu J, Henderson G, **Beerse M**. (2017) Spatiotemporal gait parameters in children with fragile X syndrome compared to children with and without Down syndrome: case studies. Poster presentation at the Southeastern Pediatric Research Conference, Atlanta GA, June 9.
38. Henderson G, **Beerse M**, Wu J. (2016) Variability of foot rotation angle during treadmill walking in children with and without Down syndrome. Poster presentation at the APTA Academy of Pediatric Physical Therapy Annual Conference, Denver CO, November 11-13.
39. **Beerse M**, Henderson G, Ajisafe T, Wu J. (2016) Spatiotemporal pattern of treadmill walking in children with and without Down syndrome. Poster presentation at the American Society of Biomechanics, Raleigh OH, August 2-5.
40. **Beerse M** & Wu J. (2016) Vertical stiffness and center-of-mass movement in children and adults during single-leg hopping. Poster presentation at the American Society of Biomechanics, Raleigh OH, August 2-5.
41. **Beerse M** & Wu J. (2016) Comparison of vertical stiffness and leg stiffness during single-leg hopping in place. Poster presentation at the American Society of Biomechanics, Raleigh OH, August 2-5.
42. Wu J, **Beerse M**, Ajisafe T, Liang H. (2015) Walking pattern in children with and without Down syndrome via a force-driven harmonic oscillator model. Poster presentation at the American Society of Biomechanics, Columbus OH, August 5-8.
43. Wu J, Ajisafe T, **Beerse M**, Liang H. (2015) Children display adult-like kinetic pattern in the time domain but not in the frequency domain while walking with ankle load. Poster presentation at the American Society of Biomechanics, Columbus OH, August 5-8.

44. **Beerse M**, Wu J. (2015) Leg stiffness and postural control in children during single-leg hopping. Poster presentation at the American Society of Biomechanics, Columbus OH, August 5-8.
45. Wu J, **Beerse M**, Ajisafe T. (2014) Frequency domain analysis of ground reaction force in preadolescents with and without Down syndrome. Poster presentation at the 7th World Congress on Biomechanics, Boston, MA, July 6-11.
46. Wu J, Ajisafe T, Beerse M. (2014) Effect of external ankle load on ground reaction force in children and young adults. Poster presentation at the North American Society for Psychology of Sport and Physical Activity annual meeting, Minneapolis, MN, June 12-14.
47. Wu J, **Beerse M**, Ajisafe T. (2014) Frequency domain analysis of ground reaction force in preadolescents with and without Down syndrome. Poster presentation at the North American Society for Psychology of Sport and Physical Activity annual meeting, Minneapolis, MN, June 12-14.

Other Publications

1. Peterson, D, & **Beerse, M** (2021) Electromyography (EMG) comparison of four different back extension devices. *Academia Letters*, Article 2414.

Teaching

University of Dayton

Department of Health and Sport Science

- HSS 409 – Kinesiology (complete course revision)
- HSS 409L – Kinesiology Laboratory (complete course revision)
- HSS 200 – Motor Control and Learning (course creation)
- HSS 201 – Medical Terminology
- HSS 114 – Introduction to Health Professions
- HSS 465 – Health Science Seminar
- HSS 428 – Research in Sport and Health Sciences
- HSS 121 – Essentials of Youth Fitness (course co-creation)

Other Institutional Teaching

Georgia State University

Department of Kinesiology and Health

- KH4600 – Advanced Biomechanics (instructor)
- KH8850 – Instrumentation in Biomechanics (laboratory demonstrations TA)
- KH3600 – Biomechanics (laboratory sessions TA)

Other Institutional Teaching

- Guest Lectures:
 - KH8849 Lab Techniques for Sports Medicine

Mentoring

Doctoral Committee Member

Vinayak Vijayan

Department of Mechanical and Aerospace Engineering

Adaptive behaviors of walking with added masses at increased speeds among healthy young and middle-aged adults: Applications to the design of lower-extremity exoskeletons

Master's Committee Member

Naomi Juergens

Department of Health and Sport Science

Parental factors related to engaging preschool-aged children in cooking: A Theory of Planned Behavior approach

Haley Beeler

Department of Health and Sport Science

Development of a criterion-based cooking skills test: Adults with self-reported cooking skill competency

Rachael Harmon

Department of Health and Sport Science

Assessing the relationship between fine motor skills and cooking skills in preschool age children

Cara Confer

Department of Health and Sport Science

Relationship between fine motor skills, nutritional intake, and cooking exposure in the home in children ages 3-5

Sydney Marie Lundell

Department of Mechanical and Aerospace Engineering

Human machine interfacing with a variable speed treadmill during sensory perturbation

Undergraduate Research Projects

Title: “Exploration of the clinical assessment and treatment recommendations for individuals with Osgood-Schlatter Disease”

Student: Breven Perry

Funding: Berry Summer Thesis Institute Fellowship

Title: “Evaluation of patellar tendon load across sports-related activities”
Student: Breven Perry
Funding: Honors Thesis Research Fellowship

Title: “Effect of arch height on dynamic balance and neuromuscular control in young adults”
Student: Kale Offstein
Funding: Honors Thesis Research Fellowship

Title: “Evaluation of potential risk factors for Osgood-Schlatter’s Disease”
Student: Gabriel Janus
Funding: Honors Thesis Research Fellowship

Title: “Comparing amount of mechanical work and metabolic cost between two kettlebell swing protocols”
Student: Daniel Vencel
Funding: Berry Summer Thesis Institute Fellowship

Undergraduate Research Presentations

Title: “The effect of walking speed and ankle load on joint kinematics and arm swing in children with and without Down syndrome”
Student(s): Kaylee Larsen
Stander Symposium 2021

Title: “Exploration of correlations in fitness and injury screening clinic”
Student(s): Julianna Leonard & Luke Knapke
Stander Symposium 2021

Title: “Joint kinematics and work adjustments in adults when learning the kettlebell swing without coaching”
Student(s): Cian Callahan
Stander Symposium 2021

Title: “Evaluation of patellar tendon load across sports-related activities”
Student(s): Breven Perry
Honors Symposium 2022

Title: “Assessment of risk factors associated with anterior cruciate ligament injury through video analysis of drop vertical jump before and after gluteal muscle strengthening”
Student(s): Julianna Leonard
Stander Symposium 2022

Title: “Effect of arch height on dynamic balance and neuromuscular control in young adults”

Student: Kale Offstein

Stander Symposium 2023

Title: “Evaluation of potential risk factors for Osgood-Schlatter’s Disease”

Student: Gabriel Janus

Stander Symposium 2023

Title: “Comparing amount of mechanical work and metabolic cost between two kettlebell swing protocols”

Student: Daniel Vencel

Stander Symposium 2023

Professional Affiliations

American Society of Biomechanics, Member

2014 – Present

North American Society for the Psychology of Sport and Physical Activity

2017 – Present

Professional Service

Invited Journal Reviewer

Journal of Applied Biomechanics

Gait & Posture

Journal of Biomechanical Engineering

Clinical Biomechanics

Annals of Medicine

Journal of Motor Behavior

Entropy

Journal of Environmental Research and Public Health

Journal of Sports Sciences

Journal of Biomechanics

Journal of Strength and Conditioning Research

Sensors

Committee Appointments

National Organizations

Institutional (University of Dayton)

- Member, Institutional Review Board

Present

- Member, University Honors Program Director Search Committee

2020

Unit-Level (School of Education and Health Sciences)

- Member, Faculty Affairs Committee

2019-Present

Departmental (Health and Sport Science)

- Member, Curriculum Review Committee 2018-2020
- Chair, Curriculum Review Committee 2021-2022
- Chair, Health Science Lecturer Search Committee 2021-2022
- Member, Health Science Lecturer Search Committee 2022-2023

Other Service

Departmental

- Faculty Advisor, Pre-Physical Therapy Club 2019-Present
- Testing and Assessment for Personal Progress 2020-Present

University

- University Honors Program, Berry Summer Thesis Institute Review Committee, 2019

Professional

- American Society of Biomechanics National Conference Abstract Reviewer

Community

- Organizer, National Biomechanics Day, University of Dayton, May 2019