

**Matthew S. Briggs PT, DPT, PhD, SCS, AT**

Clinical Assistant Professor, Department of Orthopaedics, The Ohio State University  
Director, Sports Physical Therapy Residency, The Ohio State University Wexner Medical Center  
Sports Medicine Research Institute  
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**EDUCATION**

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- 2014 – 2015 **Post-doctoral training**  
Focus: Neuromuscular control and biomechanics; outcomes research in patients with lower extremity injury.  
Mentor: Timothy E. Hewett PhD, FACSM  
The Ohio State University Wexner Medical Center  
Sports Health and Performance Institute, Sports Biodynamics Laboratory  
Columbus, OH
- 2008 – 2014 **Doctor of Philosophy (PhD) in Health and Rehabilitation Sciences**  
Dissertation Title: *"Obesity-Associated Morbidities in Children and Adolescents: The Correlates Between Knee Biomechanics, Musculoskeletal Impairments, Limitations in Health Related Quality of Life, and Cardiovascular Risk."*  
Advisor: Laura Schmitt PT, PhD  
The Ohio State University, School of Health and Rehabilitation Sciences  
Columbus, OH
- 2005 – 2006 **Sports Physical Therapy Residency** (ABPTRFE Accredited)  
The Ohio State University Wexner Medical Center, OSU Sports Medicine  
Columbus, OH
- 2002-2005 **Doctor of Physical Therapy** (with Honors)  
Creighton University, School of Pharmacy and Health Professions  
Omaha, NE
- 2002-2005 **Certificate in Health Services Administration**  
Creighton University, School of Pharmacy and Health Professions  
Omaha, NE
- 1998-2002 **B.S. Exercise Science** (emphasis: Athletic Training)  
Creighton University, Exercise Science Department  
Omaha, NE

**HONORS AND AWARDS**

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- 2020 Physical Therapy Learning Institute, Education Influencer Award, Outstanding Platform Presentation, APTA Combined Sections Meeting February 2020.  
(Briggs MS, Weber MD, Olson-Kellogg BJ, DeWitt JD, Hensely CP, Harrington

2020	KL, Kidder MS, Farrell JP, Tichenor CJ.) “Does Residency and/or Fellowship Training Impact Job and Career Satisfaction in Physical Therapists?” American Academy of Sports Physical Therapy, International Journal of Sports Physical Therapy <u>Best Case Study</u> award. (Afzal Z, Mansfield CJ, Bleacher J, <b>Briggs MS</b> . Return to advanced strength training and weightlifting in an athlete post-lumbar discectomy utilizing pain neuroscience education and proper progression: resident's case report.)
2018	The Ohio State University Wexner Medical Center, Sports Medicine Research Institute, Annual Sports Medicine Research Day. <u>Best Poster</u> : Biomechanics; (Spech C, <b>Briggs MS</b> , McNally M, Schmitt LC. Lower Extremity Strength Does Not Correlate with Sagittal Plane Knee Mechanics During Single Leg Hop Landing in Obese Youth.)
2016	AAOMPT 2016 <u>Best Platform Presentations</u> , First Place 5x5 Professional Topics; (Whitman J, <b>Briggs MS</b> , Farrel J, Olson-Kellog B, Walker J, Glaws K, Tichenor CJ. Employer Value and Perceived Performance of Physical Therapists Who are Fellowship Trained Compared to Those Who are Non-Fellowship Trained.)
2015	U.S. Bone and Joint Initiative, Young Investigator Initiative Career Development and Grant Mentoring Program
2013	Young Alumni Appreciation Award, School of Pharmacy and Health Professions, Creighton University
2011	New Horizon Award, American Physical Therapy Association – Sports Section
2005	Mary McMillan 2005 Scholarship Award. American Physical Therapy Association. Award.
2004	Faculty Scholarship Award. Creighton University Department of Physical Therapy. Award.
2003	Leadership Award, Creighton University, School of Pharmacy and Health Professions.
2003	Developing Clinician Award, Creighton University Doctor of Physical Therapy Department.
2002	Outstanding Major of the Year Award, National Association for Sport and Physical Education.
2002	Outstanding Exercise Science Major of the Year, Creighton University Exercise Science Department.
1998 – 2002	Linn Scholarship Award, Creighton University.

## GRANTS / RESEARCH SUPPORT

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### Current/On Going Support:

Academy of Physical Therapy Education Grant (Briggs/Osborne) 2020-2021

Title: “Defining Excellence in Residency Education: The Next Step in Demonstrating Value.”

Goal: Examine how PT residency education aligns with dimensions of the “Excellence in PT Education” model, to be able to being to build best-practices and better discern the value of such training.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation

**Role: PI (0% FTE/year)**

The Ohio Physical Therapy Association Research Grant, (Mansfield/Briggs) 2019-2020

Title: "The Effects of Bilateral Knee Pain & Dry Needling on Laterality Recognition, Movement, and Function."

Goal: Cohort study evaluating dry needling effects on laterality recognition in those with chronic bilateral patellofemoral pain syndrome.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation

**Role: Co- PI (0% FTE/year)**

R01 AR070474 (Kashikar-Zuck)

06/21/2017 – 05/31/2022

NIH/NIAMS

*Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia*

Goal: This is a multi-site randomized clinical trial examining the efficacy of a new intervention, Fibromyalgia Integrative Training (FIT Teens; cognitive-behavioral therapy enhanced with neuromuscular exercise training) for the treatment of juvenile fibromyalgia. The study is a 3-arm trial comparing FIT Teens to cognitive-behavioral therapy only or graded aerobic exercise only.

Key Responsibilities: Assist in directing plans and coordinating biomechanical data collection, data treatment, analysis, and sharing from The Ohio State University and other clinical sites.

**Role: Site-PI; Co-I (5% FTE/year)**

The Ohio Physical Therapy Association Research Grant, (Briggs)

2015-2019

Title: "*Short Term Effects of Gluteal Intramuscular Dry Needling in Patients with Patellofemoral Pain Syndrome.*"

Goal: Evaluate dry needling effects on pain, strength, and lower extremity function in patients with patellofemoral pain syndrome.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation.

**Role: PI (0% FTE/year)**

#### Completed Projects:

Fisher Leadership Initiative (Briggs/Appling)

10/31/2018 – 09/30/2019

*Developing Leadership in Physical Therapists: Impact of participation in a leadership program on self-perception of leadership.*

Goal: Assess baseline characteristics and evaluate outcomes for physical therapists who complete a structured leadership program with a secondary objective to further support the development of this program

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation.

**Role: Co- PI (0% FTE/year)**

82120615 (Bout-Tabaku)

07/01/2016 -11/17/2017

Rheumatology Research Foundation

*Childhood Obesity and Musculoskeletal Disease*

Goal: The long-term goal is to develop expertise and understanding of obesity and chronic pain mediated biomechanics to be able to design interventions to prevent disability and modify risk factors for osteoarthritis.

Key Responsibilities: Provide oversight of daily study operations related to biomechanical data collection, analyses, and manuscript/grants preparation.

**Role: Site-PI; Co-I (2.5%FTE/year)**

Ohio Athletic Trainer's Association (Shonk/Briggs)

2016-2017

*Normative Shoulder Range of Motion and Strength Values Between Injured and Uninjured Swimmers*

Goal: Establish normative values for shoulder range of motion and shoulder strength in swimmers and compare injured and non-injured swimmers.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation.

**Role: Co-PI (0% FTE/year)**

The Service Board at The Ohio State University Wexner Medical Center Grant. (Briggs)

06/18/2015 – 06/30/2016

*Enhancing the Patient Experience with the Ambulatory Research Registry (AR3)*

Goal: To provide a robust mechanism for internal clinical quality assurance, creation and promotion of evidence-based clinical practice guidelines, rehabilitation research, and ultimately to enhance patient care.

Key Responsibilities: Obtain IRB approval and provide oversight, development, deployment, and direction of the AR3.

**Role: PI (0% FTE/year)**

U34 AR067978-01 (Kashikar-Zuck)

04/01/2015 – 03/31/2016

NIH/NIAMS

*Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia*

Goal: The aims of this one-year clinical trial planning cooperative agreement are to form the organizational framework and infrastructure, finalize protocols and obtain regulatory approval for a multi-site randomized clinical trial examining the efficacy of a new intervention, Fibromyalgia Integrative Training (FIT Teens; cognitive-behavioral therapy enhanced with neuromuscular exercise training) for the treatment of juvenile fibromyalgia. The proposed study is a 3-arm trial comparing FIT Teens to cognitive-behavioral therapy only or graded aerobic exercise only.

Key Responsibilities: Assist in directing plans and coordinating data treatment, analysis, and sharing from The Ohio State University and other clinical sites.

**Role: Site-PI; Co-I (5% FTE/year)**

The Ohio Physical Therapy Association Research Grant, (Briggs)

2013-2015

Title: *“Lower Extremity Function, Mechanics, Pain, and Quality of Life in Obese Children.”*

Goal: Characterize the relationships between lower extremity function, strength, knee pain, and quality of life in obese youth.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation

**Role: PI (0% FTE/year)**

Alumni Grant for Graduate Research and Scholarship, (Schmitt)

2012-2014

The Ohio State University

Title: *“Function, Pain, Quality of Life, and Biomechanics in Children: The Impact of Unhealthy Weight.”*

Goal: Elucidate contributors of abnormal knee movement patterns in obese children.

Key Responsibilities: Provide oversight of daily study operations, including recruitment and retention, data collection and analyses, and manuscript/grants preparation

**Role: Co-Investigator/Trainee (0%FTE/year)**

R21 HD046628-01A2, Deborah Heiss (PI)

2006-2008

NICHHD

Title: *“Efficacy of Therapeutic Exercise for Recurrent Back Pain.”*

Goals: To investigate a specific exercise protocol (spinal stabilization exercises) and the effects on spinal reflexes and clinical outcomes in subjects with recurrent low back pain.  
 Key Responsibilities: Provide oversight participant recruitment and retention and data collection. Assist with data analysis and manuscript preparation.  
**Role: Research Assistant/Trainee (0%FTE/year)**

## ACADEMIC POSITIONS AND EMPLOYMENT

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2015 – Present	Clinical Assistant Professor, Department of Orthopaedics, The Ohio State University Wexner Medical Center, Columbus, OH
2007 – Present	Director and Physical Therapist, Sports Physical Therapy Residency OSU Sports Medicine, Columbus, OH
2007 –Present	Lecturer, The Ohio State University, Division of Physical Therapy The Ohio State University, Columbus, OH
2008 – 2014	Research Assistant, Movement Analysis and Performance Program, OSU Sports Medicine, Columbus, OH
2009-2011	Physical Therapist, Part-time In-Patient, Mount Carmel New Albany Surgical Hospital, New Albany, OH (HCR Manor Care)
2005	Physical Therapist, Excel Physical Therapy, Grand Island, NE
2002 – 2004	Per Diem Athletic Trainer, Athletic Medicine Department, Creighton University Omaha, NE

## PUBLICATIONS AND BIBLIOGRAPHY

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Bibliography URL:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1TKDWfnKs58Qx/bibliography/40134580/public/?sort=date&direction=descending>

### Peer Reviewed Journal Articles

1. **Briggs MS**, Rethman R, Crookes J, Cheek F, Pottkotter K, McGrath S, DeWitt J, Harmon-Matthews LE, Quatman-Yates CC. Implementing patient-reported outcome measures in outpatient rehabilitation settings: A systematic review of facilitators and barriers using the Consolidated Framework for Implementation Research. Archives of Physical Medicine & Rehabilitation. 2020. (Accepted)
2. Schlueter, K, Pintar, J, Wayman, Hartel, L, **Briggs MS**. Clinical Evaluation Techniques for Injury Risk Assessment in Elite Swimmers: A Systematic Review. Sports Health. 2020. (Accepted)
3. Mansfield CJ, Harr M, **Briggs MS**, Onate J, Boucher LC. Safety of dry needling to the upper lumbar spine: a pilot cadaver study. J Man Manip Ther. 2019 Dec 25;:1-8. doi: 10.1080/10669817.2019.1708593. [Epub ahead of print] PubMed PMID: 31875462.
4. Mansfield CJ, Domnisch C, Iglar L, Boucher L, Onate J, **Briggs M**. Systematic review of the diagnostic accuracy, reliability, and safety of the sharp-purser test. J Man Manip Ther. 2019 Sep 17;:1-10. doi: 10.1080/10669817.2019.1667045. [Epub ahead of print] PubMed PMID: 31526113.
5. Afzal Z, Mansfield CJ, Bleacher J, **Briggs MS**. RETURN TO ADVANCED STRENGTH TRAINING AND WEIGHTLIFTING IN AN ATHLETE POST-LUMBAR DISCECTOMY UTILIZING PAIN NEUROSCIENCE EDUCATION AND PROPER PROGRESSION:

- RESIDENT'S CASE REPORT. *Int J Sports Phys Ther.* 2019 Sep;14(5):804-817. PubMed PMID: 31598418; PubMed Central PMCID: PMC6769273.
6. **Briggs MS**, Whitman J, Olson-Kellogg B, Farrell J, Glaws K, Walker J, Clutter J, Tichenor CJ. Employer Perceptions of Physical Therapists' Residency and Fellowship Training: Insights for Career Development Planning. *Journal of Physical Therapy Education.* March 2019; 33(1):40-48.
  7. Mansfield C, Vanetten L, Willy R, Di Stasi S, Magnussen R, **Briggs MS**. The Effects of Needling Therapies on Muscle Force Production: A Systematic Review and Meta-analysis. *J Orthop Sports Phys Ther.* 2019;49(3):154-170.
  8. **Briggs, MS**, Bout-Tabaku S, Buell J, White, S, Rosenstein P, Schmitt LC. A preliminary evaluation of the associations among functional performance tasks and quality of life in obese and healthy weight youth. *Journal of Sports Sciences.* 2018; 1-9.
  9. **Briggs MS**, Rethman KK, Lopez MT. Clinical Decision Making and Differential Diagnosis in a Cyclist with Upper Quarter Pain, Numbness, and Weakness: A Case Study. *International Journal of Sports Physical Therapy.* 2018;12(2):255-268.
  10. George A, VanEtten L, **Briggs MS**. Dry Needling for Female Chronic Pelvic Pain: A Case Series. *The Journal of Women's Health Physical Therapy.* 2018;42(1):8-16.
  11. **Briggs, MS**, Bout-Tabaku S, McNally M, Chaudhari A, Best T, Schmitt LC. Relationships Among Standing Frontal Plane Knee Alignment and Dynamic Knee Joint Loading During Walking and Jogging in Youth who are Obese. *Physical therapy.* 2017; 97(5):571-580.
  12. Mansfield C, Bleacher J, Tadak P, **Briggs MS**. Differential Examination, Diagnosis, and Management for Tinging in Toes: Fellow's Case Problem. *Journal of Manual and Manipulative Therapy.* 2017; 25(5):294-299.
  13. Abourezk MN, Ithurnburn MP, McNally MP, Thoma LM, **Briggs MS**, Hewett TE, Spindler KP, Kaeding CC, Schmitt LC. Hamstring Strength Asymmetry at 3 Years After Anterior Cruciate Ligament Reconstruction Alters Knee Mechanics During Gait and Jogging. *Am J Sports Med.* 2017;45(1):97-105.
  14. **Briggs, MS**, Spees C, Bout-Tabaku S, Taylor C, Eneli I, Schmitt LC. Cardiovascular Risk and Metabolic Syndrome in a Sample of Obese Youth Enrolled in a Multidisciplinary Medical Weight Management Program: Implications of Musculoskeletal Pain, Cardiorespiratory Fitness, and Health Related Quality of Life. *Metabolic Syndrome and Related Disorders.* 2015;13(3):1-8.
  15. Naylor AR, **Briggs MS**, Kegelmeyer DK, Kloos AD. Case Report: Rehabilitation and functional outcomes after extensive surgical debridement of a knee infected by *Fusobacterium necrophorum*. *International Journal of Sports Physical Therapy.* 2013;8(3):311-27.
  16. **Briggs MS**, Givens DL, Best T., Chaudhari A. Lumbopelvic Neuromuscular Training and Injury Rehabilitation: A Systematic Review. *Clinical Journal of Sports Medicine.* 2013;23(3):160-71.
  17. **Briggs MS**, Schmitt L, Givens DL, Taylor C. The Relationships of C-Reactive Protein and Obesity to the Prevalence and Likelihood of Reporting Low Back Pain. *Archives of Physical Medicine & Rehabilitation.* 2013;94(4):745-52.
  18. Bout-Tabaku S., **Briggs MS**, Schmitt L. Lower Extremity Pain Is Associated With Reduced Function and Psychosocial Health in Obese Children. *Clinical Orthopaedics and Related Research.* 2013;471(4):1236-44.
  19. Pottkotter K, **Briggs MS**, Di Stasi S. Brain Meningioma in a Patient with Complaints of Low Back Pain and Leg Weakness. *Physiotherapy Theory and Practice.* 2013;29(5):413-8.
  20. Navalgund A, Buford J, **Briggs MS**, Givens DL. Trunk muscle reflex amplitudes increased in patients with subacute, recurrent LBP treated with a 10-week stabilization exercise program. *Motor Control.* 2013;17(1):1-17.

21. Borstad J, **Briggs MS**. Reproducibility of a Measurement for Latissimus Dorsi Muscle Length. *Physiotherapy Theory and Practice*. 2010;26(3):195-203.
22. Inselman B, **Briggs MS**, Wissink N, Oltmans C. Suspended Chain Squats: A Novel Exercise Technique. *Strength and Conditioning Journal*. 2004;26(2):42-46.

### **Peer Reviewed Scientific and Professional Presentations/Abstracts**

1. Olson-Kellogg BJ, Weber MD, **Briggs MS**, Hensley CP, Yeager KR, Harrington KL, Tichenor CJ, Farrell JP. Professional Engagement: What's in It for Me?. In 2020 Combined Sections Meeting (CSM) 2020 Feb 14. APTA. (Educational Session)
2. Osborne R, Jensen GM, **Briggs MS**, Chesbro SB, Rowe R, Spigel MR. Exploring the Value of Residency/Fellowship Education: Stakeholders' Views on Why Residency/Fellowship Education Matters. In 2020 Combined Sections Meeting (CSM) 2020 Feb 13. APTA. (Educational Session)
3. **Briggs MS**, Weber MD, Olson-Kellogg BJ, DeWitt JJ, Hensley CP, Harrington KL, Kidder MS, Farrell JP, Tichenor CJ. Does Residency and/or Fellowship Training Impact Job and Career Satisfaction in Physical Therapists?. In 2020 Combined Sections Meeting (CSM) 2020 Feb 13. APTA. (Platform)
4. Weber MD, **Briggs MS**, Olson-Kellogg BJ, DeWitt JJ, Hensley CP, Harrington KL, Kidder M, Farrell JP, Tichenor CJ. Does Residency and/or Fellowship Training Impact Professional Engagement?. In 2020 Combined Sections Meeting (CSM) 2020 Feb 14. APTA. (Poster)
5. Rapport MJ, Hartley G, Jensen G, **Briggs MS**, Harrington K, Meachem C. Getting on Board with Residency Education: Has the Ship Set Sail? APTA Education Leadership Conference. Seattle WA: October 18-20, 2019 (Education Session)
6. Iglar L, Mansfield C, Bleacher J, **Briggs MS**. Clinical Decision Making in Implementation of Manual Therapy after Hip Arthroscopy: A Fellow's Case Problem. AAOMPT Annual Conference. Orlando, FL; October 23-27, 2019. (Poster)
7. Richards, M, **Briggs, MS**, DeWitt JJ, Harmon-Matthews L. How to Ensure Success of a Large Patient Reported Outcome Program in a Large Healthcare Institution. Ohio Physical Therapy Association Annual Conference. Columbus, OH April 5, 2019. (Education Session)
8. Ulses C, VanEtten L, Quatman-Yates C, Briggs MS. Improving Access to Physical Therapy by Using Predictive Modeling to Reduce No Show Rates at Initial Evaluation. APTA Combined Sections Meeting: Washington DC: January 23-26, 2019 (Poster)
9. **Briggs MS** and Onate J. Using technology in the rehabilitation and performance of the endurance athlete. OSU Sports Medicine Endurance Medicine Symposium. Columbus OH: April 26, 2019.
10. **Briggs MS**, Di Stasi S, Hoffman J, Wordeman S, Schmitt LC, Paterno M, Hewett T. Sagittal Plane Trunk and Lower Extremity Movement During a Single Leg Drop Task at 6 and 12 Months After Anterior Cruciate Ligament Reconstruction. American Society of Biomechanics Annual Meeting. Rochester MN: August 8-11, 2018. (Poster)
11. Sheikh S, Knapke M, Fosselman D, Nogan E, Sommer A, **Briggs MS**, Miser W. Characteristics of Participants in a Referral-Based Exercise Program in a Tertiary Medical Center. OSUWMC Trainee Research Day. Columbus OH: April 12, 2018. (Poster)
12. Spech C, **Briggs MS**, McNally M, Schmitt LC. Lower Extremity Strength Does Not Correlate with Sagittal Plane Knee Mechanics During Single Leg Hop Landing in Obese Youth. Denman Undergraduate Research Forum. Columbus OH: April 26, 2018. (Platform)
13. Tichenor CJ, Olson-Kellogg B, Hartley G, Brewer K, **Briggs MS**, Shirley K, Osborne R, Osborne J, Robinson R. The Silver Tsunami: Meeting the Growing Rehab Challenges of Older Adults. APTA Combine Sections Meeting: New Orleans, LA; February 20-24, 2018. (Educational Session)

14. VanEtten L, Ganim G, **Briggs MS**. Improving Access to Physical Therapy and Reducing Missed Evaluations Using Predictive Modeling. APTA Combine Sections Meeting: New Orleans, LA; February 20-24, 2018. (Platform)
15. King R, **Briggs MS**, McNally M, Bout-Tabaku S, Schmitt LC. Obese Youth Demonstrate Reduced Knee Flexion Angles During Landing From A Single Leg Hop Compared To Healthy-Weight Peers. APTA Combine Sections Meeting: New Orleans, LA; February 20-24, 2018. (Platform)
16. Schlueter KR, Pintar JA, Wayman KJ, Hartel L, **Briggs MS**. Clinical Assessment Techniques for Injury Risk In Elite Swimmers: A Systematic Review. APTA Combine Sections Meeting: New Orleans, LA; February 20-24, 2018. (Poster)
17. **Briggs MS**, VanEtten L, Harmon-Matthews L, Ganim T, DeWitt JD. Identifying and Integrating Data Sources to Optimize Best Practices Across the Academic Health System. APTA NEXT, Boston MA; June 21-24, 2017. (Platform)
18. Glaws K, Walker J, Olson-Kellogg B, Farrell J, Tichenor CJ, Whitman J, **Briggs MS**. Employers Value Physical Therapists who are Residency and Fellowship Trained. APTA NEXT, Boston MA; June 21-24, 2017. (Poster)
19. **Briggs MS**, Glaws K, Walker J. Unique Perspectives: The Collaboration & Growth of Clinician-Scientists with Various Levels of Experience & How You Can Get Involved. The Ohio Physical Therapy Association Spring Conference. Columbus OH: March 25, 2017. (Educational Program)
20. **Briggs MS**, Hoffman JT, Wordeman SC, Di Stasi S, Schmitt LC, Paterno MV, Hewett TE. Increased Trunk Movement and Decreased Knee Flexion During a Single Leg Landing Task at 6 and 12 Months Following Anterior Cruciate Ligament Reconstruction. APTA Combined Sections Meeting: San Antonio, TX; February 15-18, 2017. (Poster)
21. Walker J, Glaws K, Olson-Kellogg B, Farrell J, Tichenor CJ, Whitman J, **Briggs MS**. Perceived Performance of Physical Therapists Who are Residency or Fellowship Trained Compared to Those Who are Not Residency or Fellowship Trained. APTA Combine Sections Meeting: San Antonio, TX; February 15-18, 2017. (Platform)
22. Wayman, KJ and **Briggs, MS**. Agreement in Identifying Movement Impairments Utilizing 2D Video Running Gait Analysis. APTA Combine Sections Meeting: San Antonio, TX; February 15-18, 2017. (Platform)
23. Wayman, KJ, Di Stasi, S, Briggs, MS. Video Running Gait Analysis to Guide Patient Care. APTA Combine Sections Meeting: San Antonio, TX; February 15-18, 2017. (Poster)
24. Whitman J, **Briggs MS**, Farrell J, Olson-Kellogg B, Walker J, Glaws K, Tichenor CJ. "Employer Value and Perceived Performance of Physical Therapists Who are Fellowship Trained Compared to Those Who are Non-Fellowship Trained." AAOMPT Annual Conference. St. Louis, MO; October 26-30, 2016. (Platform)
25. Christensen N, Black L, **Briggs MS**, Furze J, Rapport MJ, Jensen G. "Exploring the Transformation of Teaching, Learning, and Assessment of Clinical Reasoning in Residency Education." APTA Combine Sections Meeting: Anaheim, CA; February 17-20, 2016. (Educational Session)
26. VanEtten, **Briggs MS**. "Management of a Pediatric Femoral Growth Plate Fracture with Complicated Recovery." APTA Combine Sections Meeting: Anaheim, CA; February 17-20, 2016. (Platform)
27. George A, VanEtten L, **Briggs MS**. "Dry Needling of the Obturator Internus for Female Pelvic Pain: A case series. APTA Combine Sections Meeting: Anaheim, CA; February 17-20, 2016. (Poster)
28. **Briggs MS**, Hoffman JT, Wordeman SC, Schmitt LC, Paterno MV, Hewett T. Frontal Plane Trunk and Knee Angles during Unilateral Landing One Year after Anterior Cruciate Ligament Reconstruction. American Society of Biomechanics Columbus OH; August 5-8, 2015. (Poster)



29. Abourezk M, Ithurburn M, McNally M, Thoma L, **Briggs MS**, Reinke E, Spindler K, Kaeding C, Hewett T, Schmitt LC. Hamstring Strength Deficits Two Years after Anterior Cruciate Ligament Reconstruction in Individuals with Hamstring Autografts Alter Knee Mechanics during Gait and Jogging. American Society of Biomechanics Columbus OH; August 5-8, 2015. (Poster)
30. **Briggs MS**, Hoffman JT, Wordeman SC, Schmitt LC, Paterno MV, Hewett T. Frontal Plane Trunk and Knee Angles during Unilateral Landing One Year after Anterior Cruciate Ligament Reconstruction. OSUWMC Research Day Columbus OH; April 15, 2015.
31. **Briggs MS**, Bout-Tabaku S, McNally M, Chaudhari A, Best T, Schmitt LC. Frontal Plane Knee Alignment Does Not Correlate with Frontal Plane Knee Moments During Walking and Jogging in Obese Youth." APTA Combined Sections Meeting: Indianapolis, IN; February 4-7 2015. (Poster)
32. Winters K, **Briggs MS**, Buell J, Bout-Tabaku S, Schmitt LC. Relationships Among Body Composition, Lower Extremity Function, and Health-Related Quality of Life in Obese and Healthy Weight Children and Adolescents. APTA Combined Sections Meeting: Indianapolis, IN; February 4-7 2015. (Platform)
33. Hunter-Giordano A, **Briggs MS**, DeWitt, J. "Surpassing the Challenges and Barriers in Developing and Promoting Residency Training in the Sports Realm." APTA Combined Sections Meeting: Indianapolis, IN; February 4-7 2015. (Educational Session)
34. Furze J, **Briggs MS**, Rapport MJ, Christensen N, Paschal K, Hartley G, Nordstrom T, Jensen G. "Domains of Professional Competence: Looking Across the Educational Continuum." APTA Combined Sections Meeting: Indianapolis, IN; February 4-7 2015. (Educational Session)
35. Winters K, **Briggs MS**, Buell J, Bout-Tabaku S, Schmitt LC. "Relationships between body composition, lower extremity function, and health-related quality of life in obese and healthy weight children and adolescents." Ohio Physical Therapy Association Fall Scientific Symposium. Columbus, OH; October 10, 2014. (Poster)
36. **Briggs MS**, Best T, Bout-Tabaku S, Chaudhari A, Spees C, Schmitt LC. "Lower Extremity Strength Contributes to Single Leg Hopping Ability in Obese Children." APTA Combined Sections Meeting: Las Vegas, NV; February 3-6 2014. (Platform Presentation)
37. **Briggs MS**, Best T, Bout-Tabaku S, Chaudhari A, Spees C, Schmitt LC. "Hip Strength and Standing Alignment Contribute to Knee Valgus During Walking and Jogging in Obese Children and Healthy Weight Children." The Obesity Society Annual Meeting, Atlanta GA. November 13th 2013. (Poster Presentation)
38. Bout-Tabaku S, **Briggs MS**, Schmitt LC. "Lower Extremity Pain Is Associated with Reduced Function and Psychosocial Health in Obese Children." APTA Combined Sections Meeting: San Diego; January 22, 2013.(Poster)
39. **Briggs MS**, Givens DL, Best T, Chaudhari AM. "Lumbopelvic Neuromuscular Training and Injury Rehabilitation: A Systematic Review." OSU Sports Medicine Research Day; May 25, 2012. (Platform)
40. **Briggs MS**, Schmitt, L, Givens, D, Taylor, C. "C-Reactive Protein and Obesity Measurements as Predictors of Low Back Pain." OSUMC Research Day; May 14, 2012. (Poster)
41. **Briggs MS** and Best T. "Upper Extremity Pain and Weakness in a Cyclist." American College of Sports Medicine Annual Meeting in Denver, CO; June 4th, 2011. (Clinical Case Presentation)
42. Givens GL, **Briggs MS**. "Lumbar Microdiscectomy: From Post-Acute Rehabilitation to Return to Sport." Ohio Physical Therapy Association, Annual Conference. Columbus, OH; April 4, 2011. (Invited)

43. **Briggs MS**, Givens, DL, Taylor, C. C-Reactive Protein and Obesity Measurements As Predictors of Low Back Pain. APTA Combined Sections Meeting: New Orleans; February 11, 2011. (Platform)
44. Apke T, **Briggs MS**, DeWitt JD, Siles A. "Creating Leaders in the Profession to Achieve Vision 2020: The Integration of Innovative Clinical Education Opportunities Within the Entry-Level Curriculum and Post-Professional Residencies." APTA Combined Sections Meeting: New Orleans; February 10, 2011. (Educational Program)
45. Givens DL, **Briggs MS**, Navalgund A, Young G. Fine Wire EMG is More Sensitive than Rehabilitative Ultrasound Imaging for Detecting Changes in Lumbar Multifidus Activity in Persons with Low Back Pain. APTA Combined Sections Meeting: Las Vegas, NV; February 9-12, 2009. (Poster)
46. Inselman B, Wissink, N. Briggs M, Olthmans C. "EMG pattern changes in a squat exercise allowing lateral rotation." APTA Combined Sections Meeting: New Orleans; February 2005. (Poster).

### Non-Peer Reviewed Publications

1. **Briggs MS**, Obermire, T. Clinical Considerations of Bike Fitting For the Triathlete, Endurance Sports Medicine: Evaluation and Treatment of the Endurance Athlete. Edited by Timothy Miller, Springer International Publishing Switzerland. 2016;215-227. DOI: <https://doi.org/10.1007/978-3-319-32982-6>
2. Mulligan E, Rosenthal M, Schuermann T, Springer B, Pabian P, Fink M, **Briggs MS**, Weber M, Reinking M. The Sports Physical Therapy Description of Specialty Practice. American Board of Physical Therapy Specialties Specialty Council on Sports Physical Therapy. 2013.
3. **Briggs MS**, Heathcock J. Commentary on "Reference Values for the Muscle Sprint Test in 6 - 12 year old Children" Pediatric Physical Therapy. 2012 Winter;24(4):333.
4. (Primary Guideline Reviewer) Altman D, **Briggs MS**, Butler D, Farrell J, Ferland A, Fearon H, Fritz J, MacDermid J, Matheson J, McClure P, McGill S, Paris S, O'Sullivan P, Sahrman S, Smith A, Torburn L, Werneke M, Whitman J. Low Back Pain: Clinical Practice Guidelines. Guideline Linked to the International Classification of Function, Disability, and Health. Journal of Orthopaedic & Sports Physical Therapy. 2012 April; 42(4):A1-A57. 2012 April; 42(4):A1-A57.
5. (Primary Guideline Reviewer) Logerstedt DS, Snyder-Mackler L, Ritter RC, Axe MJ, Altman RD, Chu C, Delitto A, **Briggs MS**, Ferland A, Fearon H, Fitzgerald GK, MacDermid J, Matheson JW, McClure P, Shekelle P, Smith AR, Torburn L. Knee Pain and Mobility Impairments / Meniscal and Articular Cartilage Lesions: A Clinical Practice Guideline Linked to the International Classification of Function, Disability, and Health. Journal of Orthopaedic & Sports Physical Therapy. 2010 Jun;40(6):A1-A35.
6. **Briggs MS**, Givens DL. Musculoskeletal Manual Medicine: Diagnosis and Treatment. Dvorak J, Dvorak V, Gilliar W, Schneider W, Spring H, Tritschler T. New York, NY: Thieme, 2008. Journal of Orthopaedic & Sports Physical Therapy. 2009, 37:564.

### CURRENT TEACHING RESPONSIBILITIES

<b>Lecturer</b>	<b>The Ohio State University, Division of Physical Therapy,</b>
2016 – present	PT 7235 – Biomechanics (topics: spine and upper quarter)
2013 – present	PT 8612 – Clinical Applications III – Advanced Topics in Sports Physical Therapy (topics: Bike Fitting, pharmacology in sport)
2017—present	PT 8610 – Advanced Orthopaedic Physical Therapy

(topics: Dry Needling)

## PAST TEACHING RESPONSIBILITIES

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<b>Lecturer</b>	<b>The Ohio State University, Division of Physical Therapy</b>
2015 – 2017	PT 7215/7220 – Musculoskeletal Diagnosis and Management I (topics: cervical spine)
2016 – 2017	PT 8210 – Musculoskeletal Diagnosis and Management II (topics: lumbar spine, manipulation, and physical agents/modalities)
2007 – 2012	PT 750/760.01 - Clinical Science I – Upper Quarter (topics: cervical spine and physical agents/modalities)
<b>Lab Coordinator</b>	<b>The Ohio State University, Division of Physical Therapy</b>
2007 – 2010	PT 760.02 - Clinical Applications I – Upper Quarter Laboratory (topics: principles of orthopedic/musculoskeletal physical examination, treatment, and interventions of all upper extremity body regions and physical agents/modalities)
2008 – 2011	PT 761.02 - Clinical Applications II – Lower Quarter Laboratory (topics: principles of orthopedic/musculoskeletal physical examination, treatment, and interventions of all lower extremity body regions)
2008 – 2011	PT 762.02 - Clinical Applications III – Special Topics In Physical Therapy (topics: wound care, manipulation and high velocity thrust joint mobilization techniques of the spine)
2006	PT 740 - Clinical Laboratory I: <i>Goniometry and Manual Muscle Testing</i>
<b>Guest Lecturer</b>	
Feb.16, 2007	AT 521 -Therapeutic Exercise I: Ohio State University, Division of Physical Therapy, Columbus, OH <i>Introduction to Joint Mobilization/Manipulation</i>
Feb. 15, 2005	ATE 306 - Therapeutic Exercise: Exercise Science/Athletic Training Department, Creighton University: <i>Introduction to Manual Therapy Techniques</i>
<b>Teaching Assistant</b>	<b>The Ohio State University, Division of Physical Therapy</b>
2006	Anat 600 - Advanced Neuromuscular Anatomy
2006	PT 761.02 - Clinical Science I – Lower Quarter

## CONSULTATIVE AND ADVISORY POSITIONS HELD

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2020 -- 2024	Board Member, American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE) – Appointment
2020 -- Present	Education Coordinator, Specialization SIG, American Academy of Sports Physical Therapy -- Appointment
2016 – 2018	Research Liaison, American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE) – Appointment
2012 – 2014	Chair - ABPTRFE Program Services Council – Appointment
2009 – 2015	Delegate - Ohio Physical Therapy Association (OPTA) – Elected x2 terms

2010 – Present	Clinical Content Expert – Sports, Specialty Academy of Content Experts – x4 terms
2010 – Present	Clinical Content Expert & Test Bank Item Writer – Sports, Specialty Academy of Content Experts
2008 – 2016	Residency / Fellowship Site Reviewer, ABPTRFE Accreditation Services Committee – Appointment
2009	APTA Residency Curriculum Committee
Athletic Trainer 2008 – 2010	USA Women's Hockey Festival Camp & Holiday Tournament Lake Placid, NY/Montreal, Canada
Athletic Event Coverage 2005 – 2010	The Ohio Rugby Classic Annual Tournament [volunteer] OP Girls' Soccer Annual Tournament [volunteer] Boy's / Girl's High School Rugby [volunteer] NCAA Women's Rugby Final Four Tournament [volunteer] Gatorade Individual and Team Football Camps Columbus Marathon [volunteer] Special Olympics [volunteer]