

## **JOHNA K. REGISTER-MIHALIK, PhD, LAT, ATC**

### **PERSONAL INFORMATION**

125 Fetzer Hall, CB #8700  
Chapel Hill, NC 27599  
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### **EDUCATION**

#### **The University of North Carolina at Chapel Hill, Chapel Hill, NC**

Postdoctoral Training, February 2012

College of Arts and Sciences, Department of Exercise and Sport Science

Matthew A. Gfeller Sport-Related Traumatic Brain Injury Research Center

*Focus: Prevention and Management Strategies for Sport-Related Traumatic Brain Injury*

#### **The University of North Carolina at Chapel Hill, Chapel Hill, NC**

Doctor of Philosophy, August 2010

School of Medicine, Department of Allied Health Sciences, Curriculum in Human  
Movement Science

*Dissertation: An Assessment of High School Athletes' and Coaches' Knowledge,  
Attitudes, and Behaviors Concerning Concussion*

#### **The University of North Carolina at Chapel Hill, Chapel Hill, NC**

Master of Arts, May 2006

College of Arts and Sciences, Department of Exercise and Sport Science (Athletic  
Training Specialization)

*Thesis: The Effects of Headache on Measures of Neurocognitive and Balance  
Performance*

#### **The University of Alabama, Tuscaloosa, AL**

Bachelor of Science, May 2004

College of Human Environmental Sciences, Department of Health Science (Athletic  
Training Specialization)

### **PROFESSIONAL EXPERIENCE**

#### **The University of North Carolina at Chapel Hill, Chapel Hill, NC**

***Department of Exercise and Sport Science, College of Arts and Sciences***

*Assistant Professor*, July 2014 to present

*Core Faculty*, Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center,  
July 2014 to present

*Adjunct Assistant Professor*, February 2012 to June 2014  
*Postdoctoral Research Associate*, July 2010 to February 2012  
*Doctoral Research Assistant*, August 2006 to July 2010  
*Graduate Teaching Assistant and Athletic Trainer*, August 2004 to May 2006

***Injury Prevention Research Center***

*Research Scientist/Core Faculty*, July 2014 to present

***Department of Allied Health Sciences, School of Medicine***

*Core Faculty*, Curriculum in Human Movement Science, August 2014 to present

**WakeMed Health & Hospitals, Raleigh, NC**

***Emergency Services Institute***

*Senior Research Associate*, Clinical Research Unit, February 2012 to June 2014

**North Carolina Central University, Durham, NC**

***Department of Physical Education and Recreation***

*Adjunct Instructor*, January 2006 to May 2006

**The University of Alabama, Tuscaloosa, AL (August 2002-May 2004)**

***Department of Health Science, College of Human Environmental Sciences***

*Student Teaching Assistant*, August 2002 to May 2004

**HONORS**

- 2014 North Carolina Athletic Trainers' Association Leadership Institute Fellow
- 2013 National Athletic Trainers' Association Research and Education Foundation Research Mentor Program Fellow
- 2011 University of Alabama, College of Human Environmental Sciences, Jack Davis Professional Achievement Award
- 2011 UNC-CH Graduate Education and Advancement Board's Impact Award Recipient
- 2009 National Athletic Trainers' Association Research and Education Foundation Doctoral Scholarship Recipient
- 2009 Southeastern American College of Sports Medicine Student Research Award Finalist
- 2008 National Athletic Trainers' Association Research and Education Foundation Doctoral Oral Research Award Winner
- 2008 UNC-CH Student Undergraduate Teaching and Staff Award
- 2008 Southeastern American College of Sports Medicine Chapter Student Research Award Finalist
- 2006 UNC-CH Center for Teaching and Learning Future Faculty Fellowship
- 2006 National Athletic Trainers' Association Research and Education Foundation Master's Oral Presentation Winner
- 2006 UNC-CH Marvin E. Allen Teaching Assistant Award
- 2004 University of Alabama Outstanding Senior in the College of Human Environmental Sciences
- 2004 University of Alabama Outstanding Senior in Athletic Training

- 2004 University of Alabama Summa Cum Laude Graduate  
 2003 National Athletic Trainers' Association Research and Education Foundation  
 Undergraduate Scholarship Recipient

## **BIBLIOGRAPHY**

### ***Books and Chapters (6)***

**Register-Mihalik JK.** (2015). Sport-Related Concussion. *Epidemiology for Athletic Trainers*. Thorofare, NJ: Slack, Inc. (In Production).

**Register-Mihalik JK.** (2015). What are the best educational materials available to help a coach, parent or athlete learn about concussions? *Quick Questions in Sports-Related Concussion: Expert Advice in Sports Medicine*. Thorofare, NJ: Slack, Inc.

**Register-Mihalik JK.** (2015). What factors aid in the prevention of concussion, specifically recurrent concussion? *Quick Questions in Sports-Related Concussion: Expert Advice in Sports Medicine*. Thorofare, NJ: Slack, Inc.

**Register-Mihalik JK & Mihalik JP.** (2015). Are there any rehabilitation exercises you can do to help a concussed athlete heal faster? *Quick Questions in Sports-Related Concussion: Expert Advice in Sports Medicine*. Thorofare, NJ: Slack, Inc.

Marshall SW & **Register-Mihalik JK.** (2009). Softball Injuries. *Epidemiology of Injury in Olympic Sports, Volume XVI*. International Olympic Committee. Hoboken, NJ: Wiley-Blackwell.

Guskiewicz KM & **Register-Mihalik JK.** (2009). Chapter 5: Clinical Management of Sport Related Head Injury. *Emergency Care in Athletic Training*. Philadelphia, PA: F.A Davis.

### ***Refereed Papers/Articles in Review (4)***

**Register-Mihalik JK,** Valovich McLeod TC, Linnan LA, Marshall SW, Guskiewicz KG. (2015). Association between recalled concussion history and concussion knowledge, attitudes, and reporting behaviors. *Journal of Science and Medicine in Sport*. In Review.

Rosenbaum DA, Urban JE, Konczal E, Kopacki M, **Register-Mihalik JK,** Mihalik JP, Stitzel J. (2015). Presence of athletic trainers in a youth football organization: A single institution's experience. *Journal of Athletic Training*. In Review.

Schmidt JD, Pierce AF, Guskiewicz KM, **Register-Mihalik JK,** Pamukoff DN, Mihalik JP. (2015). The Effect of Safe Play Knowledge and Aggression Levels on Head Impact Biomechanics in Youth Male and Female Ice Hockey Players. *Journal of Athletic Training*. In Review.

Littleton AC, **Register-Mihalik JK**, Schmidt D, Guskiewicz KM, Waicus K, Gioia G, Mihalik JP. (2015). Effects of attention deficit hyperactivity disorder and stimulant medication on concussion symptom reporting and computerized neurocognitive test performance. *Archives of Clinical Neuropsychology*. In Review.

### **Refereed Papers/Articles (38)**

Littleton AC, **Register-Mihalik JK**, Guskiewicz KM. (2015) Test-Retest Reliability of a Computerized Concussion Test: CNS Vital Signs. *Sports Health: A Multidisciplinary Approach*. In Press.

Williams JG, Bachman MW, Jones AW, Myers JB, Kronhaus AK, Miller DL, Currie B, Lyons M, Zalkin J, **Register-Mihalik JK**, Tibbo-Valeriotte H, De Maio VJ. (2015). Retrospective validation of a protocol to limit unnecessary transport of assisted-living residents who fall. *Prehospital Emergency Care*. 19(1). 68-78.

**Register-Mihalik JK**, De Maio VJ, Tibbo-Valeriotte HL, Wooten JD. (2014). Characteristics of pediatric and adolescent concussion clinic patients with post-concussion amnesia. *Clinical Journal of Sports Medicine*. Epub ahead of print – doi: 10.1097/JSM.000000000000161.

Mayfield RM, Valovich McLeod TC, **Register-Mihalik JK**, Mihalik JP, Marshall SW, Linnan LA, Guskiewicz KM. (2014). A description of helmet fit characteristics among a sample of youth athletes: A preliminary study. *Athletic Training and Sports Health Care*. 6(5), 206-212.

Frank B, **Register-Mihalik JK**, Padua DA. (2014). High levels of coach intent to integrate an ACL injury prevention program into training does not translate to effective implementation. *Journal of Science and Medicine in Sport*. Epub ahead of print, doi: 10.1016/j.jsams.2014.06.008

Conder BC, Conder AA, **Register-Mihalik JK**, Conder LH, Newton, S. (2014). Preliminary normative data on the Penn State University Symbol Cancellation Task with non-concussed adolescents. *Applied Neuropsychology: Child*. Epub ahead of print, doi: 10.1080/21622965.2013.816849.

Oyama, S. **Register-Mihalik JK**, Mueller FO, Marshall SW. (2014). Lifetime prevalence of pitching-related shoulder and elbow injuries among collegiate baseball pitchers. *Athletic Training and Sports Health Care*. 6(3). 105-110.

Mihalik JP, Moise KF, Ocwieja KE, Guskiewicz KM, & **Register-Mihalik JK**. (2014). The effects of player anticipation and involvement on head impact biomechanics in college football body collisions. In A. Ashare & M. Ziejewski (Eds.), *ASTM Selected Technical Papers 1552 on Symposium on the Mechanism of Concussion in Sports* (pp. 41-55). West Conshohocken, PA: ASTM International.

Kerr ZY, **Register-Mihalik JK**, Marshall SW, Evenson K, Mihalik JP, Guskiewicz KG. (2014). Disclosure and non-disclosure of concussion and concussion symptoms in athletes: Review and application of the socio-ecological framework. *Brain Injury*. 28(8). 1009-1021.

- De Maio VJ, Joseph, DO, Tibbo-Valeriotte H, Lanier B, **Register-Mihalik JK**. (2014). Variability in discharge instructions and activity restrictions for patients evaluated in a children's emergency department following concussion. *Pediatric Emergency Care*. 30(1). 20-25.
- Ingriselli JM, **Register-Mihalik JK**, Schmidt JD, Mihalik JP, Goerger BM, Guskiewicz KM. (2014). Outcomes, utility, and feasibility of single task and dual task intervention programs: preliminary implications for post-concussion rehabilitation. *Journal of Science and Medicine in Sport*. 17(6). 580-585.
- Register-Mihalik JK**, Guskiewicz KG, Littleton AC. (2013). Are divided attention paradigms useful in the assessment and management of sports-related concussion? *Neuropsychology Review*. 23(4). 300-314.
- Trinidad KJ, Schmidt JD, **Register-Mihalik JK**, Groff D, Goto S, Guskiewicz KM. (2013). Predicting Clinical Concussion Measures at Baseline Based on Academic Profile and Motivation. *Clinical Journal of Sports Medicine*, 23(6), 462-469.
- Register-Mihalik JK**, Linnan LA, Marshall SW, Valovich McLeod TC, Mueller FO, Guskiewicz KM. (2013). Using theory to understand high school aged athletes' intentions to report sport-related concussion: Implications for concussion education initiatives. *Brain Injury*. 27(7-8), 878-886.
- Register-Mihalik JK**, Guskiewicz KM, Valovich McLeod TC, Linnan, LA, Mueller FO, Marshall SW. (2013). Influence of knowledge and attitude on concussion reporting behaviors among high school athletes. *Journal of Athletic Training*. 48(5), 645-653.
- Mihalik JP, Lengas E, **Register-Mihalik JK**, Oyama S, Begalle R, Guskiewicz K. (2013). The effects of sleep quality and sleep quantity on concussion assessment. *Clinical Journal of Sports Medicine*. 23(5), 343-348.
- Mihalik JP, **Register-Mihalik JK**, Kerr ZY, Marshall SW, McCrea MC, & Guskiewicz KM. (2013). The effect of posttraumatic migraine characteristics on concussion recovery in patients following sport-related concussion. *American Journal of Sports Medicine*. 41(7), 1490-1496.
- Register-Mihalik JK**. (2013). Updates and evidence concerning concussion in the physically active population. *Journal of Clinical Exercise Physiology*. 2(1), 20-27.
- Friedline Weber A, Mihalik JP, **Register-Mihalik JK**, Mays S, Prentice WE, & Guskiewicz KM. (2013). Dehydration affects performance on clinical concussion measures in collegiate wrestlers. *Journal of Athletic Training*. 48(2), 153-160.
- Guskiewicz KM, **Register-Mihalik JK**, McCrory P, McCrea M, Johnston K, Makdissi M, Dvorak J, Davis G, Meeuwisse W (2013). Evidence-based approach to revising the SCAT2: Recommendations for the SCAT3. *British Journal of Sports Medicine*. 47(5), 289-293.

Stiffler M, Mihalik JP, **Register-Mihalik JK**, & Ingriselli JM. (2013). Cognition and balance performance following a single-task training intervention in healthy collegiate recreational students: A preliminary study. *Athletic Training & Sports Health Care*, 5(2), 63-68.

Teel ER, **Register-Mihalik JK**, Blackburn TJ, Guskiewicz KM. (2012). Balance and cognitive performance during a dual-task: Implications for use in concussion assessment. *Journal of Science and Medicine in Sport*. 16(3), 190-194.

**Register-Mihalik JK**, Guskiewicz KM, Mihalik JP, Schmidt JD, Kerr ZY, McCrea M. (2012). Reliable change indices, sensitivity, and specificity of a multi-dimensional concussion assessment battery: Implications for caution in clinical practice. *Journal of Head Trauma and Rehabilitation*. 28(4), 274-283.

Schmidt JD, **Register-Mihalik JK**, Mihalik JP, Kerr ZY, Guskiewicz KM. (2012) Identifying Impairments After Concussion: Normative Data vs. Individualized Baselines. *Medicine & Science in Sports & Exercise*. 44(9), 1621-1628.

**Register-Mihalik JK**, Kontos DL, Guskiewicz KM, Mihalik JP, Conder B, Shields EW. (2012) Age-related differences and reliability on a computerized and a paper-pencil neurocognitive assessment battery. *Journal of Athletic Training*. 47(3), 297-305.

Gysland SM, Guskiewicz KM, Mihalik JP, **Register-Mihalik JK**, Trulock SC, & Shields EW. (2011). The relationship between subconcussive impacts and concussion history on clinical measures of neurological impairment in collegiate football players. *Annals of Biomedical Engineering*. 40(1), 14-22.

Cantu RC, **Register-Mihalik JK**. (2011) Considerations for return-to-play and retirement decisions following concussion. *PM&R*. 3(10), S440-444.

Guskiewicz KM, **Register-Mihalik JK**. (2011) Postconcussive impairment differences across a multifaceted concussion assessment protocol. *PM&R*. 3(10), S445-451.

Ross LM, **Register-Mihalik JK**, Mihalik JP, McCulloch K, Prentice WE, Shields EW, Guskiewicz KM (2011). Procedural Reaction Time and Balance Performance during Dual and Single Tasks in Healthy Collegiate Student. *Journal of Sport Rehabilitation*. 20(3), 296-310.

**Register-Mihalik JK**, Oyama S, Marshall SW, Mueller FO. A descriptive study of pitching practices and self-reported injuries among youth baseball pitchers. *Athletic Training and Sports Health Care*. 4(1), 11-20.

Valovich McLeod T, **Register-Mihalik JK**. Clinical assessment of health-related quality of life following sport-related concussion (2010). *Journal of Sport Rehabilitation*. 20(1), 46-60.

Cantu RC, Guskiewicz KM, **Register-Mihalik JK** (2010). Retrospective clinical analysis of moderate to severe athletic concussions. *PM&R*. 2(12), 1088-93.

**Register-Mihalik JK**, Guskiewicz KM, Valovich McLeod T, Mann JD. (2009). Association between migraine-related disability and concussion history in collegiate athletes. *Athletic Training and Sports Health Care*, 1(5), 227-233.

**Register-Mihalik JK**, Mihalik JP, Guskiewicz KM. (2009). Association between previous concussion history and baseline symptom presence in high school and collegiate athletes. *Sports Health: A Multidisciplinary Approach*, 1(1), 61-65.

**Register-Mihalik JK**, Mihalik JP, Guskiewicz KM. (2008). Balance deficits following sports-related concussion in individuals reporting posttraumatic headache. *Neurosurgery*, 63(1), 76-82.

**Register-Mihalik JK**, Guskiewicz KM, Mann JD, Shields EW. (2007). Effects of headache on clinical measures of neurocognitive function. *Clinical Journal of Sports Medicine*, 17(4), 282-288.

Guskiewicz KM, Marshal SW, Bailes J, McCrea M, Harding HP, Matthews A, **Register-Mihalik JK**, Cantu RC. (2007). Recurrent concussion and risk of clinical depression in retired professional football players. *Medicine & Science in Sports & Exercise*, 39(6), 206-309.

**Register JK**, Mihalik, JP, Brickner TM, Hirth CJ. Exertional rhabdomyolysis in Division I female lacrosse athletes. (2006) *Athletic Therapy Today*, 11(4), 26-28.

#### ***Referred Presentations/Published Abstracts (44)***

**Register-Mihalik JK**, Valovich McLeod TC, Williams RM, Linnan LA, Mihalik JP, Guskiewicz KM, Marshall SW. Effect of viewing a concussion education video followed by in-person reinforcement on parents' concussion knowledge. 2015 National Athletic Trainers' Association Annual Meeting. In Press.

**Register-Mihalik JK**, Valovich McLeod TC, Williams RM, Linnan LA, Mihalik JP, Marshall SW, Guskiewicz KM. Concussion Education Video Exposure Does Not Significantly Improve Youth Athlete Concussion Knowledge. 2015 American College of Sports Medicine Annual Meeting. In Press.

**Register-Mihalik JK**, Marshall SW, Linnan LA, McLeod TC, Mihalik JP, Mayfield RM, Guskiewicz KM. Post-concussion care-seeking for children injured in youth sport: The role of parents' knowledge and attitudes. 2014 American Public Health Association's Annual Meeting. <https://apha.confex.com/apha/142am/webprogram/Paper296740.html>.

Kerr ZW, Marshall SW, **Register-Mihalik JK**. Non-disclosure of concussion and concussion symptoms in athletes: An application of the socio-ecological framework. 2014 American Public Health Association's Annual Meeting. <https://apha.confex.com/apha/142am/webprogram/Paper296910.html>.

**Register-Mihalik JK**, McLeod TC, Marshall SW, Mayfield RM, Linnan LA, Mihalik JP, De Maio VJ, Guskiewicz KM. Influence of demographic factors and concussion history on

concussion knowledge and attitudes among youth sport parents. 2014 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 49(3), S142. (June 25-28, 2014).

De Maio VJ, **Register-Mihalik JK**, Tibbo-Valeriotte HL, Lanier B, Jackson T, Wooten JD. Characteristics of patients presenting to a concussion clinic program following Emergency Department referral. 2014 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 49(3), S175. (June 25-28, 2014).

Mihalik JP, Lynall RC, Schmidt JD, **Register-Mihalik JK**, Guskiewicz KM. The effect of concussion history and scholastic age on visual performance. 2014 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 49(3), S74. (June 25-28, 2014).

Littleton AC, Guskiewicz KM, Mihalik JP, **Register-Mihalik JK**. Reliability of three neurocognitive assessments used in the assessment of concussion. 2014 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 49(3), S118. (June 25-28, 2014).

**Register-Mihalik JK**, Guskiewicz KM, Valovich McLeod TC, Mayfield RM, Linnan LA, Mihalik JP, De Maio VJ, Marshall SW. Influence of demographic factors and concussion history on concussion knowledge among youth athletes. 2014 American College of Sports Medicine Annual Meeting. *Medicine & Science in Sports & Exercise*. 46(5S), 161-165. (May 27-May 31, 2014).

Littleton AC, Guskiewicz KM, Mihalik JP, **Register-Mihalik JK**. Concurrent validity of three computerized concussion assessment tests and traditional paper and pencil neurocognitive assessments. 2014 American College of Sports Medicine Annual Meeting. *Medicine & Science in Sports & Exercise*. 46(5S), 278-280. (May 27-May 31, 2014).

**Register-Mihalik JK**, Ingriselli JM, Schmidt JD, Littleton AC, Mihalik JP, Giovanello K, Marshall SW, De Maio VJ, Guskiewicz KG. Balance and cognitive performance under a divided attention task prior to and following two different 4-week training interventions: Preliminary implications for concussion rehabilitation. 2013 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 48(3), S192. (June 26-28, 2013).

Trinidad K, Schmidt JD, **Register-Mihalik JK**, Groff D, Goto S, Guskiewicz KM. Predicting Clinical Concussion Measures at Baseline Based on Academic Profile and Motivation. 2013 National Athletic Trainers' Association Annual Meeting. *Journal of Athletic Training*. 48(3), S30. (June 26-28, 2013).

**Register-Mihalik JK**, De Maio VJ, Tibbo-Valeriotte H, Lanier B, Jackson T, Wooten JD. Characteristics associated with post-concussion amnesia in pediatric and adolescent concussion clinic patients. 2013 American College of Sports Medicine Annual Meeting. *Medicine & Science in Sports & Exercise*. 45(5), S624. (May 28-June 2, 2013).

**Register-Mihalik JK**, De Maio VJ, Tibbo-Valeriotte H, Lanier B, Jackson T, Wooten JD. Epidemiology and age comparisons of patients presenting to a dedicated community concussion



clinic. 4<sup>th</sup> International Conference on Concussion in Sport. *British Journal of Sports Medicine*. Epub ahead of print doi: 10.1136/bjsports-2012-092101.47 (November 1-2, 2012).

De Maio VJ, Joseph, DO, Tibbo-Valeriotte H, Lanier B, **Register-Mihalik JK**. Variability in discharge instructions and activity restrictions for patients evaluated in a children's emergency department following concussion. 4<sup>th</sup> International Conference on Concussion in Sport. *British Journal of Sports Medicine*. Epub Ahead of Print doi: 10.1136/bjsports-2012-092101.46. (November 1-2, 2012).

**Register-Mihalik JK**, Marshall SW, Valovich McLeod TK, Linnan L, Mueller FO, Guskiewicz KM. Gender differences in concussion reporting prevalence across games and practices. 2012 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*. , 47(5), S177 (June 26-29, 2012).

**Register-Mihalik JK**, Linnan L, Marshall SW, Valovich McLeod TK, Mueller FO, Guskiewicz KM. Influence of gender on knowledge, attitude, perceived social pressures, and perceived behavioral control among high school athletes. 2012 American College of Sports Medicine Annual Meeting. *Medicine & Science in Sports & Exercise*. 44 (5), S264.

Frank BS, **Register-Mihalik JK**, Begalle RS, Schnider RA, Bailey JT, Arundale AJ, Padua DA. Discrepancies between youth soccer coaches' attitudes and beliefs regarding ACL injury prevention programming and compliance. 2012 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*, 47, S179 (June 26-29, 2012).

Littleton Ashley, Guskiewicz KM, Schmidt JD, **Register-Mihalik JK**, Gioia G, Mihalik JP, Waicus K. Effects of attention deficits hyperactivity disorders and stimulant medications on performance on concussion assessment tests. 2012 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*, 47, S12 (June 26-29, 2012).

Schmidt JD, **Register-Mihalik JK**, Guskiewicz KM. Neurocognitive and postural control performance in asymptomatic concussed athletes compared to controls. 2012 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*, 47, S12 (June 26-29, 2012).

**Register-Mihalik JK**, Guskiewicz KM, Linnan L, Marshall SW, Valovich McLeod TK, Mueller FO. Influence of concussion knowledge on reporting of concussion in games and practices among a sample of high school athletes. 2011 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*, 46(3), S16. (June 19-22, 2011).

Toler JD, Mihalik JP, **Register-Mihalik JK**, Guskiewicz KM. Identifying acute impairments following concussion: Is there a case for baseline testing? 2011 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*, 46(3), S35. (June 19-22, 2011).

Mihalik JP, Guskiewicz KM, **Register-Mihalik JK**, Toler JD. Subconcussive head impacts do not result in short-term clinical impairments in youth ice hockey players. 2011 National Athletic

Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*. 46(3), S16-S17. (June 19-22, 2011).

Friedline AV, Mihalik JP, **Register-Mihalik JK**, Mays S, Prentice WE, Guskiewicz KM. Effects of weight-cutting tactics on sideline clinical concussion measures in division I collegiate wrestlers. 2011 National Athletic Trainers' Association Annual Meeting and Clinical Symposium. *Journal of Athletic Training*. 46(3), S120. (June 19-22, 2011).

Toler JD, Guskiewicz KM, Mihalik JP, **Register-Mihalik JK**. The influence of attention deficit on baseline concussion measures. 2011 American College of Sports Medicine Annual Meeting Denver, CO. *Medicine & Science in Sports & Exercise*, 43(5 Suppl), 175-176. (May 31- June 4, 2011).

**Register-Mihalik JK**, Linnan L, Marshall SW, Valovich McLeod TK, Mueller FO, Guskiewicz KM. (2010). Influence of previous concussion history on knowledge, attitude, and reporting of concussion in high school athletes: A preliminary analysis. 2010 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 45(3) S-19. (June 22-25).

Gysland SM, Mihalik JP, **Register-Mihalik JK**, Trulock SC, Shields EW, & Guskiewicz KM. (2010). The relationship between subconcussive impacts and concussion history on clinical measures of concussion in collegiate football players. 2010 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 45(3) S-52. (June 22-25).

**Register-Mihalik JK**, Oyama S, Marshall SW, Mueller FO. (2010). Injury precursors and behaviors associated with injury in a cohort of Little League baseball pitchers. 2010 American College of Sports Medicine Annual Meeting, *Medicine & Science in Sports & Exercise*. 42(5) 473. (June 2-5, 2010).

Oyama S, **Register-Mihalik JK**, Marshall SW, and Mueller FO. (2010). Characteristics of the pitching-related elbow injuries in intercollegiate baseball pitchers. 2010 American College of Sports Medicine Annual Meeting, *Medicine & Science in Sports & Exercise*. 42(5) 472. (June 2-5, 2010).

**Register-Mihalik JK**, Mihalik JP, Guskiewicz KG. (2009). Sex differences in balance performance prior to and acutely following sports-related concussion. 2009 Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 44(3) S91. (June 17-20).

Ross LM, **Register-Mihalik JK**, Mihalik JP, Shields EW, Prentice WE, Guskiewicz KG. (2009). Cognitive performance during a single task and a dual task in physically active young adults. 2009 Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 44(3) S93. (June 17-20).

Graf JE, Dameron EA, DiStefano LJ, **Register-Mihalik JK**, Kaiser KA, Canonge DM, Blackburn JT, Ross SE, Padua DA. (2009). Sex differences in balance and power among youth

soccer players. 2009 Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 44(3) S95. (June 17-20).

Kaiser KA, Canonge DM, DiStefano LJ, **Register-Mihalik JK**, Marshall SW, Graf JE, Dameron EA, Padua DA. (2009). Sex differences in balance and power among youth soccer players. 2009 Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 44(3) S95. (June 17-20).

**Register-Mihalik JK**, Marshall, SW, Mueller FO. (2009). Association between pain, fatigue, and injury in collegiate baseball pitchers. 2009 American College of Sports Medicine Annual Meeting, *Medicine & Science in Sports & Exercise*. 46(5) S299-300. (May 27-30).

Kontos DL, **Register-Mihalik JK**, Mihalik JP, Guskiewicz KG. (2008). Investigation of Age Effects of the Immediate Postconcussion and Cognitive Test (ImPACT) and Paper-Pencil Neuropsychological Tests. 2008 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 43(3) S33. (June 18-22).

**Register-Mihalik JK**, Mihalik JP, Guskiewicz KG. (2008). Clinical balance recovery in individuals reporting posttraumatic migraine characteristics following sports-related concussion. 2008 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 43(3) S33. (June 18-22).

**Register-Mihalik JK**, Marshall SW, Mueller FO. (2008). Association between pitching volume and shoulder and elbow injury in high school baseball pitchers. 2008 American College of Sports Medicine Annual Meeting, *Medicine & Science in Sports & Exercise*. 45(5) S233. (May 27-31).

**Register-Mihalik JK**, Guskiewicz KG. (2008). Association of previous concussion and presence of baseline symptoms in high school and collegiate athletes. 2008 Southeastern American College of Sports Medicine Annual Meeting. (February 14, 2008).

**Register-Mihalik JK**, Mihalik JP, Guskiewicz KG. (2007). Posttraumatic migraine characteristics affect postural stability following sports-related concussion. 2007 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 42(2) S31. (June 26-30).

**Register JK**, Guskiewicz KM, Mihalik JP. (2006). Recovery Patterns of Individuals Reporting Post-Traumatic Headache. 2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 41(2) S39, S61. (June 14-18).

**Register JK**, Mihalik JP, Essa MS, Hirth CJ, Guskiewicz KM. (2005). Exertional rhabdomyolysis in Division I female lacrosse Athletes. 2005 National Athletic Trainers' Association Annual Meeting and Clinical Symposium, *Journal of Athletic Training*. 40(2), S83. (June 12-16).

**Register JK**, Guskiewicz KM, Mihalik JP. (2005). Effect of chronic headache on post-concussion measures. *Fifth Annual Sports Medicine and Neurotrauma Review*, Orlando, FL. (March 10-13, 2005).

Mihalik JP, Guskiewicz KM, **Register JK**. (2005). Recovery of athletes with characteristics of posttraumatic migraine following sports-related concussion. Fifth Annual Sports Medicine and Neurotrauma Review, Orlando, FL. (March 10-13, 2005).

**Register JK**, Mihalik JP, Essa MS. Exertional Rhabdomyolysis in 8 Division I Female Lacrosse Athletes. 2005 Eastern Athletic Trainers' Association Annual Meeting. Boston, MA. (January 7-10, 2005).

### ***Non-Refereed Publications and Blogs (3)***

**Register-Mihalik JK**. It takes a Village - Advocates for Injured Athletes:  
<http://injuredathletes.org/blog/2014/it-takes-a-village/>

**Register-Mihalik JK**. Culture Change: Winning at all Costs - Childress Institute for Pediatric Trauma: <https://saveinjuredkids.org/blog/culture-change-suck-mentality/>

**Register-Mihalik JK**. Understanding Factors Influencing Concussion Knowledge and Attitudes. <https://uncexss.wordpress.com/2014/10/06/understanding-factors-influencing-concussion-knowledge-and-attitudes-among-youth-sport-athletes-and-parents/>

### ***Invited Scholarly Presentations (33)***

**Register-Mihalik JK**. Return to Cognitive and Physical Activity Postconcussion: Where's the Evidence. *5<sup>th</sup> Annual First Coast Sports Medicine Symposium*. Jacksonville, FL. (April 18, 2015).

**Register-Mihalik JK**. A Concussion Update. *5<sup>th</sup> Annual First Coast Sports Medicine Symposium*. Jacksonville, FL. (April 17, 2015).

**Register-Mihalik JK**. Can Education Programs Prevent Concussion? *3<sup>rd</sup> Annual Matthew Gfeller Neurotrauma Symposium*. Chapel Hill, NC. (March 7, 2015).

Littleton AC & **Register-Mihalik JK**. Current Evidence Concerning Returning to Cognitive and Physical Activity Postconcussion. *National Athletic Trainers' Association Webinar Series*. (October 27, 2014).

**Register-Mihalik JK**. Evidence Base for Return-to-Play Postconcussion. *North Carolina Athletic Trainers' Association Summer Symposium*. Salisbury, NC. (July 14, 2014).

**Register-Mihalik JK**. Concussion in Sports and the Military: Assessment of Balance and Postural Control Following Concussion. *American Academy of Neurology's 66<sup>th</sup> Annual Meeting*. Philadelphia, PA. (May 2, 2014).

**Register-Mihalik JK**. Active Management of Concussion: Thinking Beyond the Rest and Wait. *MAHEC Concussion Conference*. Asheville, NC. (February 28, 2014).

**Register-Mihalik JK.** Traumatic Brain Injuries in Baseball. *Injuries in Baseball Course: American Sports Medicine Institute*. Atlanta, GA. (January 31, 2014).

**Register-Mihalik JK.** Actively Managing Concussion Using Divided Attention Paradigms. *Charlotte Sports Medicine Symposium*. Concord, NC. (June 8, 2013).

**Register-Mihalik JK.** From Impact to Outcomes: Piecing Together the Concussion Puzzle. *Allied Health Education's Webinar Series*. Online. Raleigh, NC. (June 6, 2013).

**Register-Mihalik JK.** Dual-Task Paradigms in Concussion Assessment and Management. *University of Kentucky Concussion Summit*. Lexington, KY. (May 18, 2013).

**Register-Mihalik JK.** When Wait and See Isn't Enough: Active Management of Concussion. *2<sup>nd</sup> Annual Matthew Gfeller Neurotrauma Symposium*. Chapel Hill, NC. (March 7, 2013).

**Register-Mihalik JK.** Divided attention and dual-task paradigms in Concussion Management. *National Athletic Trainers' Association Monthly Webinar*. Online. (August 8, 2012).

**Register-Mihalik JK.** Using divided attention and dual-task paradigms in assessment and return-to-play progressions following concussion. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. (June 29, 2012).

**Register-Mihalik JK.** The Role of Dual-Task and Divided Attention Paradigms in Concussion Management. *Select Physical Therapy Charlotte Sports Medicine Symposium*. Charlotte, NC. (June 9, 2012).

**Register-Mihalik JK.** An Evidence Based Approach to Concussion Management. *Annual Duke University Trauma Symposium*. Durham, NC. (March 29, 2012).

**Register-Mihalik JK.** A Head's Up on Concussion in Sport. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 7, 2012).

**Register-Mihalik JK, Guskiewicz KM.** Rehabilitation and Intervention Strategies following Concussion Evidence Based Forum. New Orleans, LA. *National Athletic Trainers' Association Annual Meeting*. (June 20, 2011).

**Register-Mihalik JK.** Research and Strategies in Concussion Management and Evaluation. *UNC Chapel Hill's Annual May Day Trauma Conference*. Chapel Hill, NC. (May 7, 2011).

Guskiewicz KM, Mihalik JP, **Register-Mihalik JK.** Concussion policies among NCAA institutions. *2011 College Sports Research Institute Conference*. Chapel Hill, NC. (April 20, 2011).

**Register-Mihalik JK.** Pediatric Concussion. *Annual Duke University and UNC Chapel Hill Trauma Symposium*. Durham, NC. (April 7, 2011).

**Register-Mihalik JK.** Updates on Concussion in Sport. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 3, 2011).

**Register-Mihalik JK.** Complications and Long-term Consequences of Sports-Related Concussion. *Steadman Hawkins Annual Sports Medicine Symposium*. Greenville, SC. (June 12, 2010).

**Register-Mihalik JK.** Concussion Assessment: A Comprehensive View. *Select Physical Therapy Annual Sports Medicine Meeting*. Charlotte, NC. (June 5, 2010).

**Register-Mihalik JK,** Mihalik JP, and Guskiewicz KM. Management of Youth Concussions: Evidence for Biomechanical and Educational Interventions. *American College of Sports Medicine Annual Meeting*. Baltimore, MD. (June 2, 2010).

Guskiewicz KM, **Register-Mihalik JK.** Clinical Utility of the SCAT 2. *Triangle Sports Medicine Symposium*. Raleigh, NC. (December 5, 2009).

**Register-Mihalik JK.** Updates on Pitching Injuries and Catastrophic Injuries in Baseball. *USA Baseball Safety Committee Meeting*. Cary, NC. (June 16, 2009).

**Register-Mihalik JK.** On Field and Sideline Assessment of Concussion. *Mid Atlantic Athletic Trainers' Association*. Virginia Beach, VA. (May 17, 2009).

**Register-Mihalik JK.** A Head's Up on Concussion in Sport. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 7, 2009).

**Register-Mihalik JK,** Marshall SW, Mueller FO. Pitching Injuries in Baseball. *USA Baseball Safety Committee Meeting*. Cary, NC. (June 16, 2008).

**Register-Mihalik JK.** Headache in the Athlete Workshop. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. (June 22, 2008).

**Register-Mihalik JK,** Mihalik, JP. Concussion Testing. *Mid-Atlantic Athletic Trainers' Association Annual Meeting*. Virginia Beach, VA. (May 18, 2008).

**Register-Mihalik JK.** Concussion in Sport. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 8, 2008).

## **TEACHING RECORD**

*Course enrollment numbers only provided for 2010 forward*

### ***Curricular Experience – Undergraduate***

Neuromuscular Control of Human Movement (EXSS 380)  
Spring 2015 (53 students)

Human Anatomy (EXSS 175)  
Fall 2014 (122 students)

Personal Health (EXSS 141)  
Spring 2012 (56 students); Fall 2011 (58 students); Spring 2011 (65 students); Fall 2010 (67students)

Therapeutic Modalities (EXSS 367)  
Spring 2008

Emergency Care (EXSS 188)  
Spring 2006, Summer 2007

***Curricular Experience – Doctoral***

Applied Survey Research and Statistics - Independent Study (EXSS 890)  
Fall 2014 (1 student)

***Doctoral Dissertation Committees – Member (1)***

Littleton AC. The Effect of Physical and Cognitive Activity Levels Postconcussion. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. August 2015. (Anticipated).

***Medical Fellowship Research Committees – Member (2)***

Kinkaid A. Factors Associated with Initial Medical Decision Making Concerning Length of Observation in Children Presenting to Emergency Departments with Head Injury. *WakeMed/UNC Pediatric Emergency Medicine Fellowship Program*. August 2016. (Anticipated).

Miller TD. Head Computed Tomography Ordering Practices in a Network of Community Emergency Departments. *WakeMed/UNC Pediatric Emergency Medicine Fellowship Program*. May 2014.

***Master's Thesis Committees – Advisor (2)***

*Department of Exercise and Sport Science at UNC-Chapel Hill, unless otherwise specified*

Minberg D. Comparison of a Smartphone Balance Test and Other Commonly Used Balance Measures. May 2016. (Anticipated).

Ingriselli, J. Neurocognitive and Balance Performance Following A Dual-Task Training Intervention in Healthy Collegiate Recreational Athletes. August 2012.

***Master's Thesis Committees – Member (12)***

*Department of Exercise and Sport Science at UNC-Chapel Hill, unless otherwise specified*

Smaldone J. An Examination of Content of Preferences of College Wrestling Programs on Facebook and Twitter. May 2015. (Anticipated).

Cook C. A Comparison of Dynamic Visual Acuity Measures in Concussed Pediatric and Adolescent Student Athletes. *Masters of Science in Public Health Program, Campbell University*. May 2014.

Pierce A. The Effect of Knowledge of Concussion and Aggression on Head Impact Biomechanics in Youth Male and Female Ice-Hockey Players. May 2013.

Trinidad K. Predicting Clinical Concussion Measures at Baseline Based on Academic Profile and Motivation. May 2012.

Fratarcangeli D. The head of the issue: An exploratory study of the perceptions and the composition of NCAA Division I concussion management plans. May 2012.

Lengas E. The Effect of Sleep Quality and Sleep Quantity on Concussion Assessment. May 2012.

Askey L. The Effects of the Full90 Soccer Headband on Neurocognitive Function and Balance Performance Following an Acute Bout of Soccer Heading. May 2010.

Friedline A. Effects of Weight-Cutting Tactics on Sideline Clinical Concussion Measures in Division I Collegiate Wrestlers. May 2010.

Bengston E. An Assessment of Injuries and Health Status Among Collegiate Performing Arts Students. May 2010.

Allard S. Acute Effects of Subtalar Neutral on Pre-activation Levels of the Peroneus Longus, Time to Stabilization, and Stiffness in Stable and Unstable Ankles. May 2009.

Gysland S. The relationship between subconcussive impacts and concussion history on clinical measures of concussion in collegiate football players. May 2009.

Ross L. An Analysis of a Dual Task Paradigm for the Assessment of Concussion. May 2008.

Kontos DL. Investigation of Validity, Reliability, and Practice Effects of the Immediate Post-Concussion Assessment and Cognitive Test (ImPACT) and Traditional Paper Pencil Neuropsychological Tests. May 2007.

***Undergraduate Honor's Thesis Committees – Advisor (1)***

Teel EF. Differences in Balance and Neurocognitive Performance During a Single Task vs. a Dual Task. May 2011.



***Undergraduate Honor's Thesis Committees – Member (3)***

Hemp K. Sex Differences on Measures of Neurocognitive Performance Following and Acute Bout of Soccer Heading. May 2011.

Brody N. The Reliability of Three Nintendo Wii Fit Balance Games- A Dual Task Approach to Measuring Postural Control. May 2011.

Holmes K. An Examination of Concussion Under-reporting in High School Athletes. May 2008.

**GRANTS**

*Where no direct cost specified, total is equal to direct*

***Research Support – Extramural Federal***

2016-2019 Marshall SW, Gioia GG, **Register-Mihalik JK**, McGill C et al.  
Implementation and Effectiveness of CDC's Heads Up Concussion Initiative in Youth Sports Organizations.  
Centers for Disease Control and Prevention/National Center for Injury Prevention and Control (CDC/NCIPC)

Role: Co-PI

Amount: \$1,650,000.00; Direct - \$1,303,730.00 (*In Review*)

2016-2019 **Register-Mihalik JK**, Marshall SW, Cameron K, Peck K, Guskiewicz KM.  
Concussion Disclosure Behaviors, Attitudes, Norms, and Knowledge among Civilian and Military Emerging Adults.  
National Collegiate Athletic Association & Department of Defense

Role: Lead PI

Amount: \$400,000.00; Direct- \$317,000.00 (*Pre-Proposal In Review*)

2015-2017 Teel EF, Mihalik JP, Guskiewicz KM, **Register-Mihalik JK**  
Can the ACTIVE rehabilitation shorten concussion recovery?  
National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS) F31

Role: Co-Sponsor

Amount: \$78,712.00 (*In Review*)

2014-2019 Marshall SW et al.  
UNC-CH Injury Prevention Research Center  
Centers for Disease Control and Prevention / National Center for Injury Prevention and Control (CDC/NCIPC)

1R49CE002479-01

Role: Project Co-Investigator

Amount: \$4,500,000; \$653,239 for project; Project Direct - \$495,652.00 (*Funded*)

**2013-2015 Register-Mihalik JK.**

Deficits Associated with Sport-Related Post-Concussion Syndrome in Adolescents.

National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS) R03

Role: PI

Amount: \$126,900.00; Direct - \$100,000.00 (*Not funded-Scored*).

**2013-2016 Register-Mihalik, JK, De Maio VJ, Mihalik JP, Guskiewicz KM, Bloom OJ, Wooten JD**

A Community-Based Approach to Identify Prognostic Indicators and Patient Centered Outcomes for Adolescent Athletes with Concussion.

Patient Centered Outcomes Research Institute

Role: PI

Amount: \$1,236,590.00; Direct - \$253,587.00 (*Not funded*)

**2012-2014 Register-Mihalik, JK, De Maio VJ, Mihalik JP, Guskiewicz KM, Bloom OJ, Marshall SW.**

A Community-Wide Data Template for Concussion Assessment.

National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS) R03

Role: PI

Amount: \$126,900.00; Direct - \$100,000.00 (*Not funded*).

**2011-2014 Guskiewicz KM, Marshall S, Register-Mihalik JK, Kaufer D, Mihalik JP, et al.**  
A Prospective Study of Dual Task Rehabilitation Interventions for Treating Individuals with Traumatic Brain Injury.

Department of Defense (Congressionally-Directed Medical Research Program—CDMRP)

Role: Co-Investigator

Amount: \$2,899,557.00; Direct - \$1,999,902.00 (*Not funded*)

***Research Support – Extramural Foundation***

**2015-2016 Welch C, McLeod TC, Kasamatsu T, Register-Mihalik JK.**

Secondary School Personnel Perceptions of and Experiences with Academic Accommodations after Concussion: A Link to Patient Centered Care and Best Practices.

National Athletic Trainers' Association Research and Education Foundation

Role: Site PI/Co-Investigator

Amount: \$57,034.00 total/\$4,916.00 UNC-CH subcontract; Direct - \$4,275.00 (*In Review*)

**2014-2016 Register-Mihalik, JK, De Maio VJ, Bloom OJ, Fonseca J, Guskiewicz KM, Marshall SW.**

Prospective Evaluation of Pediatric Sport-Related Traumatic Brain Injury in the Community Practice Setting: Comparison of Presentation and Outcomes among "Mild" and More Severe Injuries.

National Operating Committee on Standards for Athletic Equipment

Role: PI

Amount: \$189,978.00; Direct - \$160,762.00 (*Funded*)

2013-2014 De Maio VJ, **Register-Mihalik JK**, Mann CH  
Children's Head Injury Research Initiative Program.  
WakeMed Foundation  
Role: Co-Investigator  
Amount: \$3,800.00 (*Funded*)

2011-2013 **Register-Mihalik JK**, McLeod TC, Guksiewicz KM, Linnan LA, Marshall SW.  
Understanding the Influence of Concussion Education on Knowledge, Attitudes, and Behaviors  
Concerning Concussion among Youth Athletes, Coaches, and Parents.  
National Operating Committee on Standards for Athletic Equipment  
Role: PI  
Amount: \$72,519.00; Direct - \$60,433.00 (*Funded*)

2013-2014 De Maio VJ, **Register-Mihalik JK**, Mann CH  
Children's Head Injury Research Initiative Program.  
Carolina Panthers  
Role: Co-Investigator  
Amount: \$3,076.00 (*Not Funded*)

2010-2015 Guskiewicz KM, Marshall SW, Giovanello K, **Register-Mihalik JK**, et al.  
Neurological Effects of Concussion on High School, Collegiate, and Professional Football  
Players: A Longitudinal Study of the Playing Years and Beyond.  
National Operating Committee on Standards for Athletic Equipment  
Role: Co-Investigator/Study Coordinator  
Amount: \$2,505,349.80; Direct - \$2,192,661.00 (*Not Funded*)

2008-2010 **Register-Mihalik JK**, Guskiewicz KM, Marshall SW, Linnan LA.  
An Assessment of High School Athletes' and Coaches' Knowledge, Attitudes, and Practices  
Concerning Sports-Related Concussion.  
National Football League Charities  
Role: Co-PI \$12,600.00; Direct - \$11,454.66 (*Funded*)

2008-2009 **Register-Mihalik JK**, Guskiewicz KM, Marshall SW, Linnan LA.  
National Assessment of High School Athletes' and Coaches' Knowledge, Attitudes, and  
Practices Concerning Sports-Related Concussion.  
National Athletic Trainers' Association Research and Education Foundation  
Role: Co-PI  
Amount: \$88,591.02; Direct - \$77,035.67 (*Not Funded*)

***Research Support – Intramural***

2015-2016 Wooten N, **Register-Mihalik JK**, Wooten JD.  
A Community-Based Approach to Prevention and Management of Concussion in Youth Sport.  
National Institutes of Health/T35-DK007386/UNC-CH Medical Student Research Program  
Role: Lead Mentor  
Amount: \$3,820.00 (*Funded*)

2015-2017 **Register-Mihalik JK**, Linnan LA, Padua DA, Guskiewicz KM, Mihas P.  
A Pilot In-Depth Analysis of Youth Sport Administrators' Perceptions of Sport Culture, Safety, and Injury Prevention.

UNC-CH University Research Council

Role: PI

Amount: \$7,500.00 (*In Review*)

2015 **Register-Mihalik JK**, Linnan LA, Padua DA, Guskiewicz KM, Mihas P.  
A Pilot In-Depth Analysis of Youth Sport Coaches' Perceptions of Sport Culture, Safety, and Injury Prevention.

RJ Reynolds Industries, Inc. Junior Faculty Development Award

Role: PI

Amount: \$7,500.00 (*Funded*)

2015-2018 **Register-Mihalik JK**, Linnan LA, Guskiewicz KM, Padua DA.  
A Community-Based Approach to Prevention and Management of Concussion in Youth Sport.

UNC-CH CTSA (KL2 Scholar Program)

Role: PI and Scholar

Amount: 75% FTE. (*Not Funded*)

2011-2013 **Register-Mihalik JK**, Guskiewicz KM, Mihalik JP, Giovanello K, Marshall S.  
Refining a Dual-Task Rehabilitation Program for Mild Traumatic Brain Injury.

UNC-CH TraCS 10K Pilot Program.

Role: Co-PI

Amount: \$10,000.00 (*Funded*)

2011-2012 **Mihalik JP**, Guskiewicz KM, Register-Mihalik JK, Marshall SW, Gioia GA,  
Valovich McLeod TC.

Sport-related concussion legislation smartphone application

Office of the Vice Chancellor for Research & Innovate@Carolina (UNC-Chapel Hill)

Role: Principal Investigator

Amount: \$40,000 (*Not Funded*)

### ***Research Support - Industry/Contracted***

2013-2014 De Maio VJ, **Register-Mihalik JK**  
Sensitivity of ICD-9 diagnosis codes for traumatic brain injury.

SciMetrika, LLC (Contracted research for the Centers for Disease Control and Prevention/National Center for Injury Prevention and Control (CDC/NCIPC).

Role: Contracted Site Investigator

Amount: \$28,956.00; Direct - \$22,800.00 (*Funded*)

**PROFESSIONAL SERVICE**

***Leadership and Service to the Profession***

*USA Baseball*

Medical and Safety Advisory Committee: 2014 to present

*Advocates for Injured Athletes*

Team of Experts: 2014 to present

*North Carolina Athletic Trainers Association*

Professional Development Committee: 2014 to present

*National Athletic Trainers' Association*

Convention Programming Committee: 2013 to present

Task Force on Goal 6 of the Institute of Medicine's Report on Youth Concussion: 2014

*MomsTeam™ Institute*

Board of Advisors: 2013 to present

*Brain Injury Association of North Carolina*

Board of Directors: 2012 to present

*North Carolina High School Athletic Association*

Gfeller-Waller Concussion Awareness Act Team: 2011

North Carolina High School Sports Safety Task Force: 2008

***Research Service***

*Journal peer reviewer*

American Journal of Sports Medicine

Athletic Training and Sports Healthcare

International Journal of Sports Medicine

Journal of Athletic Training

Journal of Child Neurology

Journal of Neuroscience Methods

Journal of Physical Activity and Health

Journal of Primary Prevention

Journal of Sport Rehabilitation

Social Medicine

Sports Health: A Multidisciplinary Approach

*Grant reviewer*

Eastern Athletic Trainers' Association

National Athletic Trainers' Association Research and Education Foundation

***Within UNC-Chapel Hill***

*Departmental*

Scholar Athlete Award Selection Committee, 2015  
Ronald W. Hyatt Scholarship Committee, 2011

*University service*

Faculty Council Nominee, 2015  
WakeMed/UNC Pediatric Emergency Medicine Scholarship Committee, 2014 to present

***Community Engagement***

*Invited Presentations (19)*

**Register-Mihalik JK.** Concussion Management: Evidence, Implementation, & Strategic Approaches. *USA Cheer Safety Council Meeting*. Cape Canaveral, FL. (April 12, 2015).

**Register-Mihalik JK & Bruce S.** Evidence Based Management of Concussion. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 6, 2015).

**Register-Mihalik JK.** Culture Change and Concussion. *Brenner Children's Hospital Pediatric Trauma Symposium*. (October 22, 2014).

**Register-Mihalik JK.** Community Concussion Updates: A Head's Up on Research and Current Trends. *Capital Area Regional Advisory Committee Quarterly Educational Meeting*. Raleigh, NC. (August 16, 2013).

**Register-Mihalik JK.** Role of Divided Attention Tasks in the Assessment of Concussion. *National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV. (June 24, 2013).

**Register-Mihalik JK and De Maio VJ.** A Head's Up on Concussion: Considering the Big Picture. *North Carolina Parks and Recreation Webinar Series*. Raleigh, NC. (May 21, 2013).

**Register-Mihalik JK.** Public Health Approaches to Concussion in Sport. *A.T. Still University Athletic Training Program*. Mesa, AZ. (May 7, 2013).

**Register-Mihalik JK.** Concussion Management a Big Picture Approach. *NC Athletic Directors Annual Conference*. Wilmington, NC. (March 19, 2013).

**Register-Mihalik JK.** Updates on Concussion Assessment and Management. *WakeMed Trauma Services Monthly Continuous QI Meeting*. Raleigh, NC. (February 8, 2013).

**Register-Mihalik JK.** Concussion in Sport. *Southeastern Athletic Trainers' Association Student Symposium*. Atlanta, GA. (February 1, 2013).

**Register-Mihalik JK.** Concussion Assessment and Management Updates. *North Carolina State University AHEC Student Health Services Grand Rounds*. Raleigh, NC. (August 14, 2012).

**Register-Mihalik JK.** Gfeller-Waller Concussion Awareness Act Updates. *North Carolina Governor's Council on Traumatic Brain Injury*. Raleigh, NC. (June 13, 2012).

**Register-Mihalik JK.** Current Updates and Research Concerning Concussion. *Moses Cone Hospital Pediatric Trauma Grand Rounds*. Greensboro, NC. (August 17, 2011).

**Register-Mihalik JK.** Concussion Education and Awareness in North Carolina. *North Carolina Legislature – First Annual Graduate Education Day*. Raleigh, NC. (May 25, 2011).

**Register-Mihalik JK.** Research and Clinical Updates on Traumatic Brain Injury in Sport. *East Carolina University Athletic Training Graduate Course*. Greenville, NC. (December 6, 2010).

**Register-Mihalik JK.** From the Playing Field and Back: A Comprehensive Approach to Evaluation and Management of Concussion. *Proaxis Physical Therapy and Greenville Hospital System Sports-Medicine Fellows Meeting*. Greenville, SC. (December 16, 2009).

**Register-Mihalik JK.** Sports-Related Concussion: The Hidden Epidemic. *Select Physical Therapy High School Athletic Trainers' Meeting*. Charlotte, NC. (December 7, 2009).

**Register-Mihalik JK.** Management of Catastrophic Brain Injuries in High School Athletics. *North Carolina High School Athletic Director's Association Annual Meeting*. Wilmington, NC. (March 31, 2009).

**Register-Mihalik JK.** The Profession of Athletic Training. *The University of North Carolina Health Care Profession Course*. Chapel Hill, NC. (November 11, 2006 and May 5, 2007).

#### *Selected Media Appearances*

UNC Leads Way in Concussion Research  
WRAL News

URL: <http://www.wralsportsfan.com/a-concussion-will-give-you-a-headache-/12109687/>  
February 14, 2013 (Television and Online)

Underreporting of Concussion By High School Athletes Continues Despite Increased Education  
MomsTEAM Blog

URL: <http://www.momsteam.com/health-safety/sports-concussion-safety/news-studies/underreporting-concussion-by-high-school-athlete>  
July 19, 2013 (Online)

NCADA Conference Day 2: Concussion Workshop  
Star News Online

URL: <http://varsitynow.blogs.starnewsonline.com/21575/ncada-conference-day-2-concussions/>  
March 19, 2013 (Online)

Young Arms and Curveballs a Scientific Twist  
The New York Times

URL: [http://www.nytimes.com/2012/03/12/sports/baseball/debate-grows-over-how-to-protect-young-pitching-arms.html?pagewanted=all&\\_r=0](http://www.nytimes.com/2012/03/12/sports/baseball/debate-grows-over-how-to-protect-young-pitching-arms.html?pagewanted=all&_r=0)  
March 11, 2012 (In Print and Online)

Injuries and Concussions in Female Sports  
WCHL Your Health  
URL: <http://www.youtube.com/watch?v=6TUflKJsx5E>  
September 27, 2011 (Radio and Online)

Top 4 Health Menaces  
Men's Health  
URL: <http://health.yahoo.net/experts/menshealth/top-4-health-threats-2012>  
December 27, 2011 (In Print and Online)

## **OTHER EXPERIENCE**

### *Clinical Experience*

**The University of North Carolina**, Chapel Hill, NC  
Certified Athletic Trainer coordinating concussion clinic and assessment (2007-2012)

**The University of North Carolina**, Chapel Hill, NC  
Assistant Staff Athletic Trainer- Men's/Women's Tennis (2007)

**The University of North Carolina**, Chapel Hill, NC  
Graduate Assistant Certified Athletic Trainer (August 2004-May 2006)  
Team coverage: Women's Basketball and Women's Lacrosse

**The University of North Carolina**, Chapel Hill, NC Sports Camps (2005)  
Certified Athletic Trainer  
Camps: Women's Lacrosse, Softball

**Spirit Express Cheerleading**, Chapel Hill, NC (Summer 2005)  
Certified Athletic Trainer

**The University of Alabama**, Tuscaloosa, AL Sports Camps (2004)  
Certified Athletic Trainer

### *Professional Organizations and Certifications*

**American Public Health Association**  
July 2014-Present                      Membership Number: 9968606

**American College of Sports Medicine, Member**  
August 2007-Present                      Membership Number: 638068

**National Athletic Trainers' Association, Member**  
January 2002-Present                      Membership Number: 987732

**Board of Certification (for the Athletic Trainer), Certified Athletic Trainer**  
June 2004-Present                      Certification Number: 060402370

**North Carolina Board of Athletic Trainer Examiners, Licensed Athletic Trainer**  
August 2004-Present                      License Number: 0979