STEVEN P. BROGLIO

EDUCATION

University of Georgia: Athens, Georgia: May, 2006
Doctorate of Philosophy, Exercise Science: Measurement and Evaluation concentration
Dissertation: *Reliability of computer-based concussion assessment programs*

University of Pittsburgh: Pittsburgh, Pennsylvania: April, 2002
Master of Science, Health and Rehabilitation Science
Thesis: *The acute effect of rotational heading on measures of postural stability*

University of North Carolina at Chapel Hill: Chapel Hill, North Carolina: May, 2000
Bachelor of Arts, Exercise and Sport Science
Highest Honors and Highest Distinction Graduate
CAAHEP Accredited Undergraduate Athletic Training Curriculum
Thesis: *The cumulative effect of soccer on postural stability and cognitive function*

PROFESSIONAL EXPERIENCE

University of Michigan
School of Kinesiology
Assistant Professor: 2011 to present
Director, Neurotrauma Research Laboratory: 2011 to present

University of Illinois at Urbana-Champaign
Department of Kinesiology and Community Health
Assistant Professor: 2006 to 2011
Director, Neurotrauma Research Laboratory: 2006 to 2011
Director, Undergraduate Athletic Training Education Program: 2006 to 2011
Director, Graduate Athletic Training: 2008 to 2011
Affiliate, Center on Health, Aging, and Disability: 2008 to 2011
Beckman Fellow, Center for Advanced Study: 2010-2011

University of Georgia
Department of Kinesiology
Clinical Coordinator, Undergraduate Athletic Training Education Program: 2003 to 2006

University of Pittsburgh
Neuromuscular Research Laboratory
Research Assistant, 2001

TEACHING EXPERIENCE

University of Illinois at Urbana-Champaign

Department of Kinesiology and Community Health

Course Instructor: Advanced Assessment of Athletic Injuries - Lower Extremity
Advanced Assessment of Athletic Injuries - Upper Extremity
Capstone Proficiency of Athletic Training
Clinical Experience in Sports Medicine
Experience in Kinesiology Research
Special Topics - Sport Concussion
Issues in Sports Medicine
Graduate Independent Study

University of Georgia

Department of Exercise Science

Course Instructor: Recognition and Evaluation of Athletic Injuries - Upper Extremity
Introduction to Athletic Training Lab
Clinical Experience in Athletic Training I
Clinical Experience in Athletic Training II
Clinical Experience in Athletic Training III
Clinical Experience in Athletic Training IV

Workshops: University of Georgia High School Athletic Training Student Workshop:

- Co-director, 2004 to 2006
- Coordinator and lecturer, 2003

Cramer Japan Athletic Training Workshop:

- Co-director, 2004
- Coordinator and lecturer, 2003

University of Pittsburgh

Department of Health and Rehabilitation Science

Course Instructor: Athletic Training Practicum
Basic Athletic Training Lab

Teaching Assistant: Basic Athletic Training

University of North Carolina at Chapel Hill

Department of Exercise and Sport Science

Teaching Aid: Human Anatomy Cadaver Lab

CLINICAL EXPERIENCE

University of Georgia

Graduate Research Assistant (Athletic Training Research Laboratory): 2002 to 2006
Approved Clinical Instructor of Athletic Training Students: 2003 to 2006
Graduate Assistant Certified Athletic Trainer - Cheerleading: 2004

University of Pittsburgh

Graduate Research Assistant (Neuromuscular Research Laboratory): 2001
Graduate Assistant Certified Athletic Trainer - Baseball: Fall 2000 to Spring 2002
Graduate Assistant Certified Athletic Trainer - Women's Soccer: Spring 2002

University of North Carolina at Chapel Hill

Athletic Training Student: 1998 to 2000
Team coverage included: football, track & field, field hockey, baseball, Southeast Raleigh High School

Athletic Summer Camps

Certified Athletic Trainer
University of North Carolina - Field Hockey: Summer 2000, 2001, 2002, 2003
Carnegie Mellon University - Soccer: Summer 2001
Athletic Trainer Student
University of North Carolina - Field Hockey, Wrestling: Summer 1999

New York Football Giants

Training Camp Intern - Summer 1999

SCHOLARSHIP

Refereed Journal Publications *(* denotes senior author)***:**

Broglio SP, Eckner JT, Kutcher J, Martini D, Sosnoff JJ, Randolph C, Cumulative head impact burden in high school football, *Journal of Neurotrauma* (in review).

Eckner JT, Sabin MJ, Kutcher JS, **Broglio SP***, Lack of cumulative impact effect on concussion injury threshold, *Journal of Neurotrauma* (in review).

Broglio SP, Eckner JT, Surma T, Kutcher JS, Post-morbid cognitive declines and symptomatology are not related to concussion biomechanics is high school football players, *Journal of Neurotrauma* (in review).

Wessels KK, **Broglio SP**, Sosnoff JJ, Concussions in wheelchair basketball, *Archives of Physical Medicine and Rehabilitation* (in review).

Chen Y, Sutton B, **Broglio SP**, Ostoja-Starzewski M, Brain deformation under mild impact: Magnetic resonance imaging based assessment and finite element study, *Journal of the Royal Society Interface* (in review).

Pontifex MB, **Broglio SP**, Hillman CH, Mild traumatic brain injury and cognitive deficits: Examining the role of attentional disengagement, *Research Quarterly for Exercise and Sport* (in review).

Broglio SP, Swartz EE, Crisco JJ, Cantu RC. In vivo measurement of a C6 spine fracture, *New England Journal of Medicine* (in press).

Sabin MJ, Van Boxtel BA, Nohren MW, **Broglio SP***, Presence of headache does not influence sideline neurostatus or balance in high school football athletes, *Clinical Journal of Sports Medicine* (in press).

Broglio SP, Moore RD, Hillman CH, A history of sport-related concussion on event-related brain potential correlates of cognition, *International Journal of Psychophysiology* (invited - in press).

Martini DN, Sabin MJ, DePesa SA, Leal EW, Negrete TN, Sosnoff JJ, **Broglio SP***, The chronic effects of concussion on gait, *Archives of Physical Medicine and Rehabilitation*, 92(4):585-589, 2011.

Sosnoff JJ, **Broglio, SP**, Sunghoon S, Ferrara MS, Postural control and previous mild traumatic brain injury, *Journal of Athletic Training,* 46(1):85-89, 2011.

Vagnozzi R, Signoretti S, Cristofori L, Alessandrini F, Floris R, Isgrò E, Ria A, Marziale S, Ludovici A, Zoccatelli G, Tavazzi B, Amorini AM, Del Bolgia F, Sorge R, **Broglio SP**, McIntosh TK, Lazzarino G, Assessment of metabolic brain damage and recovery following mild traumatic brain injury: A multicenter, proton magnetic resonance spectroscopics study in concussed athletes, *Brain,* 133(11):3232-3242, 2010.

Broglio SP, Schnebel B, Sosnoff JJ, Shin S, Feng X, He X, Zimmerman J, The biomechanical properties of concussions in interscholastic football, *Medicine and Science in Sports and Exercise,* 42(11):2064-2071, 2010.

Broglio SP, Vagnozzi R, Sabin M, Signoretti S, Tavazzi B, Lazzarino G, Concussion incidence and knowledge in Italian football (soccer), *Journal of Sport Science and Medicine*, 9(3):418-430, 2010.

Sabin MJ, Ebersole KT, Martindale AR, Price JW, **Broglio SP***, Unilateral balance performance in collegiate basketball athletes during stable and unstable conditions, *Journal of Strength and Conditioning Research,* 24(8):2073-2078, 2010.

Piland SG, Ferrara MS, Macciocchi SN, **Broglio SP**, Gould T, Investigation of baseline self-report concussion symptom scores, *Journal of Athletic Training,* 45(3):273-278, 2010.

Ellemberg D, Henry LC, Macciocchi SN, Guskiewicz KM, **Broglio SP***, Advances in sport concussion assessment: From behavioral to brain imaging measures, *Journal of Neurotrauma,* 26(12):2365-2382, 2009.

Pontifex MB, O'Connor PM, **Broglio SP**, Hillman CH, The cognitive control of conflict monitoring and a history of mild traumatic brain injury, *Neuropsychologica,* 47(14):3210-3216, 2009.

Broglio SP, Pontifex MB, O'Connor P, Hillman CH, The persistent effects of concussion on neuroelectic indices of attention, *Journal of Neurotrauma,* 26(9):1463-1470, 2009.

Broglio SP, Zhu W, Sopiarz K, Kelly MS, Park Y, Reliability of the Balance Error Scoring System in healthy young adults using generalizability theory analysis, *Journal of Athletic Training,* 44(5):497-502, 2009.

Broglio SP, Sosnoff JJ, Ferrara MS, The relationship of athlete reported concussion symptoms and objective measures of neurocognitive function and postural control, *Clinical Journal of Sports Medicine,* 19(5):377-382, 2009.

Broglio SP, Guskiewicz KM, Concussion in sport: The sideline assessment, *Sports Health: A Multidisciplinary Approach,* 1(5):361-369, 2009 (invited).

Broglio SP, Sosnoff JJ, Sunghoon S, He X, Alcaraz C, Zimmerman J, Helmet impacts during high school football: A biomechanical assessment, *Journal of Athletic Training*, 44(4):342–349, 2009.

Broglio SP, Monk A, Sopiarz K, Cooper ER, The influence of ankle support on postural control, *Journal of Science and Medicine in Sport,* 12:388–392, 2009.

Gliottoni RC, Meyers JR, Arngrímsson SA, **Broglio SP**, Motl RW, Effect of caffeine on leg muscle pain during intense cycling exercise in low versus high caffeine consumers, *International Journal of Sport Nutrition & Exercise Metabolism,* 19(2):150-161, 2009.

Broglio SP, Sosnoff JJ, Rosengren KS, McShane K, A comparison of balance performance: Computerized dynamic posturography and a random motion platform, *Archives of Physical Medicine and Rehabilitation,* 90:145-50, 2009.

Sosnoff JJ, **Broglio SP**, Ferrara MS, Cognitive and motor function are coupled following mild traumatic brain injury, *Experimental Brain Research* 187(4):563-71, 2008.

Broglio SP, Ferrara MS, Sopiarz K, Kelly MS, Reliable change of the Sensory Organization Test, *Clinical Journal of Sports Medicine* 18:148–154, 2008.

Broglio SP, Puetz TW, Sport-concussion's effect on neurocognitive function, self-report symptoms, and postural control: A meta-analysis, *Sports Medicine* 38(1):53-67, 2008.

Broglio SP, Ferrara MS, Macciocchi SN, Baumgartner TA, Elliott R, Test-retest reliability of computerized concussion assessment programs, *Journal of Athletic Training* 42(4):509-514, 2007.

Broglio SP, Macciocchi SN, Ferrara MS, Neurocognitive performance of concussed athletes when symptom free, *Journal of Athletic Training* 42(4):504-508, 2007.

Sosnoff JJ, **Broglio SP**, Hillman CH, Ferrara MS, Concussion does not influence intra-individual response time variability, *Neuropsychology* 21(6):796-802, 2007.

Broglio SP, Macciocchi SN, Ferrara MS, Sensitivity of the concussion assessment battery, *Neurosurgery* 60(6):1050-1057, 2007.

Broglio SP, Ferrara MS, Piland SP, Anderson B, Concussion history is not a predictor of computerized neurocognitive performance, *British Journal of Sports Medicine* 40(9):802-805, 2006.

Cooper ER, Ferrara MS, **Broglio SP**, Exertional heat illness and environmental conditions during a single football season in the southeast, *Journal of Athletic Training* 41(3):99-103, 2006.

Broglio SP, Tomporowski P, Ferrara MS, Balance performance with a cognitive task: A dual-task paradigm, *Medicine and Science in Sport and Exercise* 37(4):689-695, 2005.

Broglio SP, Dillon M, Emergency management of head and cervical-spine injuries, *Athletic Therapy Today*, 10(2):24-33, 2005.

Courson R, Clanton M, Patel H, **Broglio SP**, Emergency assessment, *Athletic Therapy Today* 10(2):19-23, 2005.

Broglio SP, Guskiewicz KM, Sel, TC, Lephart SM, No acute changes in measures of postural control following a soccer heading drill, *British Journal of Sports Medicine* 38(5):561-567, 2004.

O'Connor P, Motl RW, Ely M, **Broglio SP** Dose-dependent effect of caffeine on reducing leg muscle pain during cycling exercise is unrelated to systolic blood pressure, *Pain* 109:291-298, 2004.

Broglio SP, Ju, Y, Broglio MD, Sell TC, The efficacy of soccer headgear, *Journal of Athletic Training* 38(3):220-224, 2003.

Guskiewicz KM, Marshall SW, **Broglio SP**, Cantu RC, Kirkendall DT, No evidence of impaired neurocognitive performance in collegiate soccer players, *American Journal of Sports Medicine* 30(2):157-162, 2002.

Broglio SP, Guskiewicz KM, Soccer Heading: Are there risks involved? *Athletic Therapy Today* 6(1): 28-32, 2001.

***Refereed and Published Abstracts/Presentations*:**
Moore RD, **Broglio SP**, Brander KM, Wu VF, Hillman CH, The long-term influence of concussion on attention and conflict monitoring, *Society for Psychophysiological Research* (in review).

Chen Y, Sutton B, **Broglio SP**, Ostoja-Starzewski M, Brain deformation under mild impact: Magnetic resonance imaging based assessment and finite element study, *American Society of Mechanical Engineers: Applied Mechanics and Materials Conference*, Chicago, IL (in review).

Broglio SP, Sabin MJ, Sosnoff JJ, Zimmerman J, Prevalence of injurious impacts in interscholastic football, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA (accepted - oral presentation).

Sabin MJ, Leal EW, Gordon JR, Sosnoff JJ, **Broglio SP**, Reliability of the Modified-Sensory Star Excursion Balance Test, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA (accepted - poster presentation).

Storvsed JR, Swartz EE, **Broglio SP** Cervical Spine Injury in a High School Football Player, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA (accepted - poster presentation).

Broglio SP, Martini DN, Sosnoff JJ, Medial-lateral center of pressure velocity is greater in those with a concussion history, *American College of Sports Medicine,* Denver, CO (accepted - oral presentation).

Martini DN, Sabin MJ, DePesa SA, Leal EW, Negrete TN, Sosnoff JJ, **Broglio SP**, The chronic effects of concussion on gait, *International Olympic Committee World Conference on Prevention of Injury and Illness in Sport,* Monte-Carlo, Monaco, *British Journal of Sports Medicine*, 45(4): 361-362, 2011.

Broglio SP, Macciocchi SN, Multiple baseline concussion neurocognitive assessments are needed in interscholastic athletes, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA Journal of Athletic Training, 45(3):S57-58, 2010.

Sabin MJ, Ebersole KT, Price JW, Martindale AR, **Broglio SP**, Differences in balance following pre-season conditioning, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 45(3):S93, 2010.

Broglio SP, Schnebel B, Sosnoff JJ, Shin S, Feng X, He X, Zimmerman J, Concussion in high school football: A biomechanical assessment, *American College of Sports Medicine,* Baltimore, MD, *Medicine and Science in Sports and Exercise*, 42(5), S84, 2010.

Cooper ER, Ferrara MS, Resch J, **Broglio SP**, Casa DJ, Powell JW, Exertional heat illness (EHI): Illness rates for college football participants during pre-season practice – A predictor for heat acclimatization, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX, *Journal of Athletic Training*, 44(3):S37, 2009.

Broglio SP and Sosnoff JJ, The relationship between cognitive and postural control performance with self-report concussion symptoms, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX, *Journal of Athletic Training*, 44(3):S46, 2009.

Broglio SP, Sosnoff JJ, Shin S, Ferrara MS, Long term changes in balance following concussion, *American College of Sports Medicine,* Seattle, WA, *Medicine and Science in Sports and Exercise*, 41(5):S120, 2009.

Shin S, Sosnoff JJ, **Broglio SP**, Reducing ankle movement has no effect on postural control dynamics**,** *American College of Sports Medicine,* Seattle, WA, *Medicine and Science in Sports and Exercise*, 41(5):S359, 2009.

Cooper E, Monk A, Sopiarz K, **Broglio SP**, The influence of ankle support on postural control, *Southeast Athletic Trainers' Association Annual Research Seminar*, Fort Lauderdale, FL, 2009.

Broglio SP, Concussion Assessment: Clinical Interpretation of the NeuroCom SOT, *Great Lakes Athletic Trainers' Association Annual Meeting*, Fort Wayne, IN, 2009.

Pontifex MB, O'Connor PM, **Broglio SP**, Hillman CH, The influence of mTBI history on the cognitive control of action monitoring, *Society for Psychophysiological Research*, Austin TX. *Psychophysiology*, 45:S36, 2008.

Ferrara MS, Cooper ER, **Broglio SP**, Casa DJ, Powell JW, Resch J, The incidence of exertional heat illness in American football, *International Convention of Science, Education and Medicine in Sport*, Guangzhou, China, 2008.

Broglio SP, Zimmerman J, Alcaraz CA, Hadla T, Rao PR, An assessment of head impacts incurred during a season of interscholastic football, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* St Louis MS. *Journal of Athletic Training,* 43(3):S32, 2008.

Broglio SP, Heo S, O'Connor PM, Pontifex MB, George DC, Johnson CR, Valentini TA, Hillman CH, The chronic effect of concussion on clinical neurocognition and neuroelectric indices of attention, *American College of Sports Medicine,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S68, 2008.

O'Connor PM, Heo S, Pontifex MB, **Broglio SP**, Brown ML, Musuruana R, Hillman CH, Alterations in the Cognitive Control of Action Monitoring with a History of Concussion, *American College of Sports Medicine,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S69, 2008.

Sosnoff JJ, **Broglio SP**, Ferrara MS, Coupling between cognitive and motor function following mild traumatic brain injury, *American College of Sports Medicine,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S69-70, 2008.

Alcaraz CA, **Broglio SP**, Zimmerman J, The biomechanics of interscholastic football impacts. *American College of Sports Medicine,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S81, 2008.

Gliottoni RC, Meyers JR, Arngrímsson S, **Broglio SP**, Motl RW, Effect of caffeine on leg muscle pain during intense cycling exercise in low versus high caffeine consumers, *American College of Sports Medicine,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S302, 2008.

Broglio SP, Bugalski DJ, Cunningham BA, Zimmerman JP, The magnitude and location of head impacts during American football. *5th European Sports Medicine Congress*, Prague, Czech Republic, 2007.

Broglio SP, Puetz TW, The concussion assessment battery: A meta-analysis. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* Anaheim, CA. *Journal of Athletic Training,* 42(2):S97, 2007.

Cooper ER, **Broglio SP**, Ferrara MS, Keeler K, Casa DJ, Powell JW, The incidence of exertional heat illness among Division I and III collegiate football players - Preliminary review of a three year study. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* Anaheim, CA. *Journal of Athletic Training,* 42(2):S51, 2007.

Broglio SP, Rosengren KS, Using reliable change to establish the sensitivity and specificity of the Sensory Organization Test. *Canadian Athletic Therapists Association 2007 National Conference*, Winnipeg, Canada, 2007.

Broglio SP, Rosengren KS, Sensitivity and specificity of the NeuroCom SOT. *Canadian Athletic Therapists Association 2007 National Conference*, Winnipeg, Canada, 2007.

Ferrara MS, **Broglio SP**, Cooper ER, Casa DJ, Powell JW, Courson RW, Incidence of heat exhaustion – A two year study of American intercollegiate football. *Fédération Internationale de Médecine du Sport (FIMS)*, Beijing, China, 2006.

Broglio SP, Cooper ER, Ferrara MS, The influence of prophylactic ankle taping and shoe application on balance error scores system performance. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2006.

Cooper ER, **Broglio SP**, Ferrara MS, Casa DJ, Powell JW, Courson RW, The incidence of exertional heat illness among Division I and III collegiate football players – A two year study. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2006.

Broglio SP, Ferrara MS, Cooper ER, Courson RW, Climatic conditions and exertional heat illness during American football. *World Federation of Athletic Training World Congress*, Edinburgh, Scotland, 2005.

Broglio SP, Tomporowski PD, Ferrara MS Dual-tasking: A new approach to concussion assessment, *World Federation of Athletic Training World Congress*, Edinburgh, Scotland, 2005.

Broglio SP, Cooper ER, Ferrara MS, Courson RW, National differences in environmental conditions during football. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* Indianapolis, IN. *Journal of Athletic Training,* 40(2):S53, 2005.

Cooper ER, **Broglio SP**, Ferrara MS, Courson RW, National rates of exertional heat illnesses in college football players. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* Indianapolis, IN. *Journal of Athletic Training,* 40(2):S53, 2005.

Piland SG, Ferrara MS, Gould TE, **Broglio SP**, Fatigue as an indicator of inflated baseline symptom reports. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium,* Indianapolis, IN. *Journal of Athletic Training,* 40(2):S15, 2005.

Broglio SP, Cooper ER, Ferrara MS, Courson RW, National rates of exertional heat illnesses in collegiate football athletes, *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA. 2005.

Broglio SP, Ju YY, Broglio MD, Sell TC, The efficacy of soccer headgear. 2004 Year Book of Sports Medicine, pp4-5, American College of Sports Medicine, 2004.

Broglio SP, Tomporowski P, Ferrara MS, Balance performance with a cognitive task: A dual-task paradigm. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD, *Journal of Athletic Training,* 39(2):S18, 2004.

Cooper ER, Ferrara MS, **Broglio SP**, Courson RW, Incidence of heat related illness in football at five southeastern universities. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD. *Journal of Athletic Training,* 39(2):S59, 2004.

Dillon M, Piland SG, **Broglio SP**, Bunn KJ, Dew MJ, Ferrara MS, Diagonal 2 training increases strength but does not effect joint position sense in healthy females. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD. *Journal of Athletic Training,* 39(2):S64, 2004.

O'Connor P, Motl RW, **Broglio SP** Dose-dependent effect of caffeine on reducing leg muscle pain during cycling exercise is unrelated to systolic blood pressure. *American College of Sports Medicine Annual Meeting,* Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 36(5):S222, 2004.

Broglio SP, Ferrara MS, Cooper E, Courson RW, Football related heat illness in the southeastern United States *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2004.

Broglio SP, Ju YY, Broglio MD, Sell TC, The efficacy of soccer headgear. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S25, 2003.

Broglio SP, Guskiewicz, KM, Sell, TC, Lephart, SM, No acute changes in measures of postural control following a soccer heading drill. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S104, 2003.

Hunt TN, **Broglio SP**, Piland SG, Ferrara MS, Levels of self-reported symtomatology on neuropsychological function and postural control in concussed athletes. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S24, 2003.

Piland SG, Motl RW, **Broglio SP**, Ferrara MS, Evidence for the reliability and validity of the PMF-concussion symptoms scale. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S27, 2003.

Broglio SP, Ferrara MS, Piland SG, Anderson B, Concussion history is not a predictor of baseline CRI outcome. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Piland SG, **Broglio SP**, Ferrara MS, Investigation of non-concussed group responses on a measure of self-reported concussion related symptoms. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Hunt TN, Piland SG, **Broglio SP**, Ferrara MS, Anderson RB, The presence of learning disabilities and/or concussion history does not effect computerized neurocognitive performance. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Broglio SP, Guskiewicz KM, Soccer athletes with concussion history show no deficits in balance or cognition. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Los Angeles, CA. *Journal of Athletic Training*, 36(2):S59, 2001.

Guskiewicz KM, Marshall SW, **Broglio SP**, Cantu RC, Kirkendall DT, No evidence of impaired neurocognitive performance in collegiate soccer players. *American College of Sports Medicine Annual Meeting,* Baltimore, MD. *Medicine and Science in Sport and Exercise*, 33(5):S1047, 2001.

***Invited Lectures and Symposium Presentations*:**

Broglio SP, Sport Concussion: On field assessment, Part of: Sports Related Head Injuries, *14th European Congress of Neurosurgery*, Rome, Italy, October 2011.

Broglio SP, Concussion mechanics in adolescents: What do we know?, *Carle Back Care Forum*, Urbana, IL, September 2011.

Broglio SP, Cognitive and motor functioning following sport related mild traumatic brain injury, *Carle Neuroscience Symposium*, Urbana, IL, April 2011.

Broglio SP, Equipment and biomechanical considerations for concussion prevention, *International Olympic Committee World Conference on Prevention of Injury and Illness in Sport*, part of: Prevention of Sport-Related Concussion and Long-term Effects of Recurrent mTBI: Is Research Driving Clinical Practice?, Monaco, Monte Carlo, April 2011.

Broglio SP, A closer look at sport concussion, *United States Youth Soccer Workshop 2011*, Louisville, KY, February 2011.

Broglio SP, Concussion Management-Implications for Practice,*Illinois Athletic Trainers' Association Symposium*, Lisle, IL, November 2010 (keynote address).

Broglio SP, Brain trauma biomechanics: All hits are not created equal, *Southwest Athletic Trainers' Association*, Arlington, TX, July 2010**.**

Broglio SP, Zimmerman J, Concussion in interscholastic football: Organizing field based research, *Carle Foundation Hospital*, Urbana, IL, November 2009.

Broglio SP, The sideline evaluation: A systematic approach, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: Sport-related concussion - Navigating the Latest Research Findings and Clinical Recommendations, San Antonio, TX, June 2009.

Broglio SP, Sosnoff JJ, Ferrara MS, The relationship between cognitive and postural control performance with self-report concussion symptoms, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: The concussion dilemma: Are we headed in the right direction?, San Antonio, TX, June 2009.

Broglio SP, Concussion: Transient and persistent outcomes, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX, June 2009.

Broglio SP, The acute and persistent effects of sport concussion, *Catholic University of Rome: Institute of Biochemistry and Clinical Biochemistry*, Rome, Italy, May 2009.

Broglio SP, The usefulness of neuropsychological testing in monitoring long term problems, *3rd International Conference on Concussion in Sport*, Zurich, Switzerland, October 2008.

Broglio SP and Valovich-McLeod T, Special Interest Group: Concussion in Sport, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St Louis, MS, June 2008.

Broglio SP, Stability of common computerized tests for concussion assessment, *American College of Sports Medicine,* Featured Science Session: Neuropsychological Assessment of the Concussed Athlete: Only One Piece of the Concussion Puzzle, Indianapolis, IN, May 2008.

Zimmerman J**, Broglio SP**, Helmet impacts during high school football: A biomechanical assessment, *Big Ten Sports Medicine Meeting*, Chicago, IL, May 2008.

Broglio SP, Traumatic brain injury in sport: The Unity High School concussion project, *Illinois High School Association Sports Medicine Meeting*, Bloomington, IL, April 2008.

Broglio SP, History of concussion is associated with suppressed neuroelectric activity in young adults, *4th International Meeting on mTBI in Sports*, St Moritz, Switzerland, March 2008.

Broglio SP, Concussion assessments: Do they measure what we think?, *4th International Meeting on mTBI in Sports*, St Moritz, Switzerland, March 2008.

Broglio, SP, Sport Related Concussion: What we know about the acute and chronic effects, *University of Montreal: Centre de Recherche En Neuropsychologie Expérimentale et Cognition*, Montreal, Canada, February 2008.

Broglio SP, Concussion in Sport: It's a hard knock life, *Brain and Cognition Seminar*, Beckman Institute, University of Illinois at Urbana-Champaign, IL, November 2007.

Broglio SP, Concussion in sport, *Department of Kinesiology and Community Health Exercise Physiology and Athletic Training Seminar*, University of Illinois at Urbana-Champaign, IL, October 2006.

Broglio SP, Bicycling Mechanics, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA,2006.

Broglio SP, Concussion testing: The UGAA sport medicine approach, *Georgia Sports Medicine Symposium*, Athens, GA, June 2005.

Broglio SP, The concussion discussion: Pre-season testing protocols and post-injury treatment, *Sports Health College and University Sports Medicine Meetings* Portland, OR, June, 2003.

Broglio SP, The concussion discussion: Pre-season testing protocols and post-injury treatment, *Sports Health College and University Sports Medicine Meetings*, Austin, TX, May, 2003.

***Non-Refereed Publications*:**
Broglio SP, Current Trends in Concussion Assessment, *Pennsylvania Athletic Trainers' Society News*, Fall, 2001.

Broglio SP, Soccer Heading: A Closer Look, *Pennsylvania Athletic Trainers' Society News*, Summer, 2001.

RESEARCH GRANTS AND CONTRACTS

Broglio SP with Hillman CH, Sosnoff JJ, National Athletic Trainers' Association - Research and Education Foundation: *Concussion across the lifespan: Persistent effects on brain, neurocognitive functioning, and motor control*, $128, 912, 2011-2013.

Broglio SP, Beckman Institute for Advanced Science and Technology: Imaging the concussed mind: A look at the long term effects of concussion, $8,000**,** 2011-2012.

Broglio SP, Carle Foundation Hospital - Division of Sports Medicine: *Graduate Assistant support for the Activities and Recreation Center (ARC) Wellness Center*, $62,683, 2010 - 2012 (contract).

Broglio SP, Simbex LLC: *Head Impact Telemetry Alert Beta Testing*, $49,998, 2010 (contract).

Broglio SP with McAuley E, Kramer A, Cohen NJ, Sutton B, He X, University of Illinois Health and Wellness Initiative: *Concussion across the lifespan: A multi-disciplinary assessment of cognitive health*, $49,820, 2010.

Broglio SP with Hillman CH, McAuley E, University of Illinois at Urbana-Champaign Research Board: *Mild traumatic brain injury and cognitive health across the lifespan* $12,650, 2009.

Broglio SP and Vagnozzi R with Tavazzi B, Lazzarino G, William and Flora Hewlett International Research Grants: *Mild Traumatic Brain Injury: Revealing the 'Silent Epidemic'*, $3000, 2009.

Ferrara MS with Cooper ER, Powell JW, Casa DJ, **Broglio SP**, National Athletic Trainers' Association - Research and Education Foundation: *Monitoring exertional heat illnesses in interscholastic Georgia football*, $109,006, 2008.

Woods JA with **Broglio SP**, Kelley KW, Dantzer R, The Mary Jane Neer Research Fund for Research in Disability: *Effects of mild traumatic brain injury (mTBI) on neuroinflammation, cognition, and depression*, $14,902, 2007.

Broglio SP with Ebersole KT, Rosengren KS, Great Lakes Athletic Trainers' Association: *Reliability of postural control assessments*, $1200, 2007.

Ferrara MS with Cooper ER, **Broglio SP**, Powell JW, Casa DJ, National Collegiate Athletic Association Committee on Competitive Safeguards and Medical Aspects of Sports: *Monitoring environmental conditions and injury rates of fall sports*, $23,144, 2007.

Broglio SP and Hillman CH, University of Illinois at Urbana-Champaign Research Board: *Association between recurrent concussion and chronic changes in cognitive and neuroelectric indices*, $9,175, 2007.

Hillman CH with **Broglio SP**, The Mary Jane Neer Research Fund for Research in Disability: *Clinical and Neuroelectric Indices of Multiple Concussions*, $15,000, 2007.

Broglio SP with Ostoja-Starzewski M, Sutton B, The Mary Jane Neer Research Fund for Research in Disability: *Finite Element Modeling of Brain Deformation from Rapid MRI*, $14,400, 2006.

Ferrara MS with Cooper ER, **Broglio SP,** National Collegiate Athletic Association Committee on Competitive Safeguards and Medical Aspects of Sports: *Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions*, $28,996, 2006.

Ferrara MS with Cooper ER, **Broglio SP,** National Collegiate Athletic Association Committee on Competitive Safeguards and Medical Aspects of Sports: *Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions*, $30,947, 2005.

Broglio SP, Louise E. Kindig Research Award, Department of Kinesiology, UGA: *The reliability and specificity of computer-based concussion assessment protocols*, $1,000, 2005.

Broglio SP, Dissertation Completion Assistantship, University of Georgia Graduate School, $16,767, 2005.

Ferrara MS with Cooper ER, **Broglio SP,** National Collegiate Athletic Association Committee on Competitive Safeguards and Medical Aspects of Sports: *Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions*, $49,500, 2004.

Piland SG with **Broglio SP**, Ferrara MS, Southeast Athletic Trainers' Association Research Grant: *Investigation of Non-concussed group responses on a measure of self-reported concussion-related symptoms*, $750, 2002.

Ferrara MS with Cooper ER, **Broglio SP**, Courson RW, National Athletic Trainers' Association - Research and Education Foundation: *Monitoring environmental conditions at southeastern universities*, $7,140, 2003.

Broglio SP with Ju YY, Broglio MD, Sell TC, National Athletic Trainers' Association - Research and Education Foundation, Osternig Masters Grant: *The efficacy of soccer headgear*, $1,000, 2001.

Broglio SP with Guskiewicz, KM, Sell, TC, Lephart, SM, Orthopaedic Research Laboratory Alumni Council: Mrs. Ho-Tung Cheong Research Grant, *The acute effect of rotational heading on measures of postural stability*, $3,000, 2001.

SERVICE

Professional Service

Editorial Boards

Athletic Training & Sports Health Care, 2008 to present
British Journal of Sports Medicine, 2008 to present
Journal of Athletic Training, 2009 to present

Ad-hoc Journal Reviewer

Annals of Biomedical Engineering, 2011
Archives of Physical Medicine and Rehabilitation, 2007, 2010
Child Neuropsychology, 2010
Brain, 2009
British Journal of Sports Medicine, 2004 to present
International Journal of Exercise Science, 2007 to present
International Journal of Sports Medicine, 2008
Journal of ASTM International, 2008
Journal of Adolescent Health, 2010
Journal of Athletic Training, 2005 to 2009
Journal of Biomechanics, 2011
Journal of Clinical and Experimental Neuropsychology, 2006
Journal of Science and Medicine in Sport, 2009
Journal of Sport Rehabilitation, 2008, 2009
Medicine and Science in Sport and Exercise, 2008 to present
Neurocase, 2006, 2009
Neuropsychology, 2010, 2011
Neuroscience Letters, 2005
Neurosurgery, 2009 to present
Sports Health: A Multidisciplinary Approach, 2011
The Physician and Sportsmedicine, 2010

Grant Reviewer

National Institutes of Health, Challenge Grant (RFA-OD-09-003) Special Emphasis Panel/Scientific Review Group 2009/10 ZRG1 BDCN-T (58) R, 2009.
NATA - Research and Education Foundation, 2008 to present
Hewlett International Research Travel Grants, 2010

Conferences

Consensus panelists: McCrory P, Meeuwisse W, Johnston K, Dvorak J, Aubry M, Molloy M, Cantu R, Consensus Statement on Concussion in Sport – the 3rd International Conference on Concussion in Sport held in Zurich, *Clinical Journal of Sports Medicine*;19(3):185–200, 2009.

4th International Meeting on mTBI in Sports, Faculty and Organization Committee, St Moritz, Switzerland, 2008.

National Athletic Trainers' Association Annual Meeting and Clinical Symposium, Moderator, 2001, 2006, 2007, 2008, 2009, 2010, 2011

Consulting

- *AthletiCo Sports Medicine and Rehabilitation Clinic*, Chicago, IL
- Advisory Board, *Sportsconcussions.org*, Seattle, WA
- *College Sports Medicine Foundation: Center for College and University Concussion Assessment, Management and Testing*, Lighthouse Point, FL

College Service

University of Illinois at Urbana-Champaign

Elections and Credentials Committee, 2009 to present
Research Computing Task Force, 2009 to present

Departmental Service

University of Illinois at Urbana-Champaign

Ad Hoc Committee on Course Fees, 2009
Graduate Travel Grant Committee, 2009 to present
Elections and Credentials Committee, 2009 to present
Athletic Training Faculty Search Committee, co-chair, 2008
Ad-hoc Global Campus Committee, 2008
Education Policy Committee, 2007 - 2010
Ad-hoc Committee on Wellness, 2007 - 2008

PROFESSIONAL ORGANIZATIONS

American College of Sports Medicine, member #640343, 2007 to present
National Athletic Trainers' Association, member # 977340, 1997 to present
Great Lakes Athletic Trainers' Association, 2006 to present
Southeast Athletic Trainers' Association, 2002 - 2006
Eastern Athletic Trainers' Association, 2000 - 2002
Mid-Atlantic Athletic Trainers' Association, 1997 - 2000

CERTIFICATIONS

National Athletic Trainers' Association Board of Certification, Inc.

Athletic Trainer, Certified # 060002015, 2000 to present
Qualified Examiner, 2001- 2005

National Athletic Trainers' Association

Certified Clinical Instructor Educator, 2004 to present
Approved Clinical Instructor, 2003 to present

American Red Cross

CPR/AED for the Professional Rescuer
First Aid

LICENSURE

Illinois, Department of Financial and Professional Regulation, 96.002310, 2006 to present

SELECTED MEDIA APPEARANCES

Looking at How Concussions When Young Influence Later Life, New York Times, September, 2010.
Chronic Traumatic Encephalopathy, ESPN Outside the Lines, September, 2010
High School Helmet Impacts, Canadian Broadcasting Company News: The National, September, 2009
Danger for High School Football Players, The New York Times, July, 2009
Playing It Safe With High School Sports, US News & World Report, July, 2008
Using their Heads, St. Louis Post-Dispatch, October, 2007
New Helmets Could Help Protect Football Players, CBS 2, Chicago, IL, October, 2007
Hard-Hitting Research on Concussion, Chicago Tribune, October, 2007
Sensor-Rigged Helmet Gives Football Players a Heads Up on Concussions, Scientific American, October, 2007
Football Helmets Detect Brain Injuries, United Press International, September, 2007
Brain Chasers, ESPN Outside the Lines, August, 2007

HONORS AND AWARDS

• Freddie H. Fu New Investigator Award, National Athletic Trainers' Association Research and Education Foundation, 2010.

• Broglio SP, Sosnoff JJ, Sunghoon S, He X, Alcaraz C, Zimmerman J, Helmet impacts during high school football: A biomechanical assessment, *Journal of Athletic Training*, 44(4):342–349, 2009.

• *Journal of Athletic Training,* Kenneth L. Knight Award for the Outstanding Research Manuscript, 2009

• Association Media and Publishing Annual EXCEL Awards Bronze Medalist, 2009

• Phillis J. Hill James Scholar Faculty Award for Exemplary Mentoring, University of Illinois, 2009

- Dissertation Award Finalist, NATA-Research and Education Foundation, 2008
- Outstanding Teaching Assistant Award, University of Georgia, 2005
- Graduate Student Scholarship, Southeast Athletic Trainers' Association, 2005
- Oral Presentation Competition Winner - Master's Student Research, "The efficacy of soccer headgear," NATA-Research and Education Foundation, 2003
- Oral Presentation Competition Finalist - Doctoral Student Research, "Levels of self-reported symtomatology on neuropsychological function and postural control in concussed athletes," NATA-Research and Education Foundation, 2003
- Doctoral Student Scholarship, NATA-Research and Education Foundation, 2003
- Graduate Student Scholarship, Georgia Athletic Trainers' Association, 2003
- Jerry Rhea Sports Medicine Scholarship, Atlanta Falcons, 2001
- Highest Honors graduate, Department of Exercise and Sport Science, University of North Carolina, 2000
- Highest Distinction graduate, College of Arts and Science, University of North Carolina, 2000
- Max Crowder Award, Atlantic Coast Conference, 2000
- William Tessendorf Scholarship, NATA-Research and Education Foundation, 2000
- Phi Beta Kappa, 1999
- National Society of Collegiate Scholars, 1999
- Donald Fauls Memorial Scholarship, NATA-Research and Education Foundation, 1999
- Golden Key National Honor Society, University of North Carolina at Chapel Hill, 1998

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