

**Cathleen N. Brown Crowell**  
 School of Biological and Population Health Sciences  
 Oregon State University

### ACADEMIC HISTORY

#### Employment

Clinical Associate Professor, Oregon State University	September 2016-present
Kinesiology Undergraduate Coordinator	January 2019-present
Associate Professor, University of Georgia	August 2012-August 2016
Assistant Professor, University of Georgia	August 2006-July 2012

#### Previous Administrative Titles

Graduate Coordinator, Kinesiology, UGA 2015-2016  
 Program Director, Athletic Training Program UGA 2011-2016  
 Clinical Coordinator, Athletic Training Program UGA 2006-2011  
 Interim Program Director, Athletic Training Program Spring UGA 2009-Summer 2009

#### Graduate faculty status

Oregon State University Graduate faculty 9/2016-present  
 University of Georgia Graduate faculty 8/2006-7/2016

#### Degrees

Ph.D.	Interdisciplinary Human Movement Science University of North Carolina at Chapel Hill; 08/2002-05/2006
M.A.	Exercise and Sport Science; Emphasis in Athletic Training University of North Carolina at Chapel Hill; 08/2000-05/2002
B.A.	Exercise Science; Emphasis in Athletic Training Willamette University, Salem, OR; 08/1996-05/2000

#### Academic Positions Held

09/2016-present	Oregon State University Clinical Associate Professor, Neuromechanics Laboratory Member Sport Injury Prevention Research Group Member Kinesiology, Athletic Training
08/2012-08/2016	University of Georgia Associate Professor, Co-Director Biomechanics Laboratory Program Director, Athletic Training Program
06/2011-07/2012	University of Georgia Assistant Professor, Co-Director Biomechanics Laboratory Program Director Athletic Training Program
08/2006-05/2011	University of Georgia Assistant Professor, Co-Director Biomechanics Laboratory, Clinical Coordinator Athletic Training Program
08/2000-05/2006	University of North Carolina at Chapel Hill Graduate Teaching and Research Assistant

**Other Professional Employment**

- 08/2002-06/2004 University of North Carolina at Chapel Hill  
Head Athletic Trainer for Men's Baseball
- 08/2000-05/2002 University of North Carolina at Chapel Hill  
Graduate Assistant Athletic Trainer for Women's Softball and Gymnastics

**SCHOLARLY ACTIVITIES****Publications**Chapters – Invited Author [3]

3. \*Brown CN, Rosen AB, Ko J. What are the most useful clinical tests to accurately diagnose acute lateral ankle sprains? (Chapter 14, pp 69-74). In: *Quick Questions in Ankle Sprains: Expert Advice in Sports Medicine*. 2015. Thorofare, NJ: Slack, Inc.
2. \*Brown CN. Corrective strategies for foot and ankle impairments (Chapter 12). In: *National Academy of Sports Medicine Essentials of Corrective Exercise Training*. Pp. 252-266. 2010; Baltimore: Lippincott, Williams, and Wilkins.
1. \*Padua DA, Thigpen CA, Brown CN, Boling M, Goerger B. Current Concepts in Injury Prevention. In: *National Academy of Sports Medicine Essentials of Sports Performance Training*. Pp. 373-401. 2009; Baltimore: Lippincott, Williams, and Wilkins.

Monographs – NoneJournal Articles (Published, In Print, or Accepted) [45]

45. \*Li Y, Kakar RS, Fu YC, Walker M, Brown CN, Oswald TS, Simpson KJ. Postural control of individuals with spinal fusion for adolescent idiopathic scoliosis. *Clin Biomech*. 2019;61:46-51. doi: 10.1016/j.clinbiomech.2018.11.001. SJR=0.982, First quartile orthopedics and sports medicine journals.
44. \*Kakar RS, Li Y, Brown CN, Oswald TS, Simpson KJ. Spine and lower extremity kinematics exhibited during running by adolescent idiopathic scoliosis patients with spinal fusion. *Spine Deform*. 2019;7(2):254-261. doi: 10.1016/j.jspd.2018.08.015. SJR=1.057, First quartile orthopedics and sports medicine journals.
43. \*Ko J, Rosen AB, Brown CN. Functional performance tests identify lateral ankle sprain risk: A prospective pilot study in adolescent soccer players. *SJMSS*. 2018;28(12):2611-2616. doi: 10.1111/sms.13279. SJR=1.541, First quartile sports science journals.
42. \*Ko J, Rosen AB, Brown CN. Functional performance deficits in adolescents with history of lateral ankle sprain(s). *Physical Therapy in Sport*. 2018;33:125-132. doi: 10.1016/j.ptsp.2018.07.010. SJR=0.888, Second quartile sport science journals.
41. \*Rosen AB, Ko J, Brown CN. The relationship between acute pain and dynamic postural stability indices in individuals with patellar tendinopathy. *Gait & Posture*. 2018;65:117-120. doi: 10.1016/j.gaitpost.2018.07.003. SJR=1.188, First quartile sports science journals.
40. \*Straw CM, Samson CO, Henry GM, Brown CN. Does variability within natural turfgrass sports fields influence ground-derived injuries? *Eur J Sport Sci*. 2018;18(6):893-902. doi: 10.1080/17461391.2018.1457083. SJR=1.186, Second quartile for sports science journals.
39. \*Li Y, Ko J, Zhang S, Brown CN, Simpson KJ. Biomechanics of ankle 'giving way:' A case report of accidental ankle 'giving way' during the drop landing test. *Journal of Sport*

- and Health Science*. doi.org/10.1016/j.jshs.2018.01.002. 2018. Available Online. SJR=0.722, Second quartile of orthopedics and sports medicine journals.
38. \*Li Y, Ko J, Walker M, Brown CN, Schmidt JD, Kim S, Simpson KJ. Does chronic ankle instability influence knee biomechanics of females during inverted surface landings? *International Journal of Sports Medicine*. 2018;39(13):1009-1017. doi: 10.1055/s-0044-102130. SJR=1.217, First quartile of sport science journals.
  37. \*Li Y, Guan L, Ko J, Zhang S, Brown CN, Simpson KJ. Cross-cultural adaptation and validation of an ankle instability questionnaire for use in Chinese-speaking population. *Journal of Sport and Health Science*. doi: 10.1016/j.jshs.2017.04.003. 2017. Available Online. SJR=0.722, Second quartile of orthopedics and sports medicine journals.
  36. \*Li Y, Ko J, Walker MA, Brown CN, Schmidt JD, Kim SH, Simpson KJ. Does chronic ankle instability influence lower extremity muscle activation of females during landing? *J Electromyogr Kinesiol*. 2018;38:81-87. doi: 10.1016/j.jelekin.2017.11.009. SJR=0.778, Second quartile of sport science journals.
  35. \*Kakar RS, Li Y, Oswald T, Brown CN, Kim SH, Simpson KJ. Spine kinematics exhibited during the stop-jump by physically-active individuals with adolescent idiopathic scoliosis and spinal fusion. *Spine Journal*. 2018;18(1):155-163. doi: 10.1016/j.spinee.2017.08.221. PMID:28964824. SJR=1.15, First quartile for surgical journals.
  34. \*Ko J, Rosen AB, Brown CN. Cross-cultural adaptation, reliability, and validation of the Korean version of the Identification of Functional Ankle Instability (IdFAI). *Disability and Rehabilitation*. 2018;40(26):3185-3190. doi: 10.1080/09638288.2017.1375032. SJR=0.935, First quartile in rehabilitation journals.
  33. \*Li Y, Kakar RS, Walker MA, Fu YC, Oswald TS, Brown CN, Simpson KJ. Intra-trunk coordination during high-effort treadmill running in individuals with spinal fusion for adolescent idiopathic scoliosis. *Journal of Applied Biomechanics*. 2017;33(6):437-445. doi: 10.1123/jab.2017-0085. PMID:28657839. SJR=0.675, First quartile in orthopedics and sports medicine journals.
  32. \*Rosen AB, Ko J, Simpson KJ, Brown CN. Patellar tendon straps decrease pain and may alter lower extremity kinetics in those with patellar tendinopathy during jump landing. *Intl J Athl Therapy and Training*. 2017;22(4):51-57. doi: 10.1123/ijatt.2016-0014. SJR=0.238, Fourth quartile in sport science journals.
  31. \*Rosen AB, Ko J, Brown CN. Single-limb landing biomechanics are altered and patellar tendinopathy pain is reduced with acute infrapatellar strap application. *The Knee*. 2017;24(4):761-767. SJR=1.236, First quartile in sport science journals.
  30. \*Schmidt JD, Phan TT, Courson RW, Reifsteck F, Merritt ED, Brown CN. The influence of heavier football helmet faceguards on head impact location and severity. *CJSM*. 2018;28(2):106-110. doi: 10.1097/JSM.0000000000000437. PMID:28742613 SJR=0.93, Second quartile in sport science journals.
  29. \*Rosen AB, Ko J, Simpson KJ, Brown CN. Patellar tendon straps decrease pre-landing quadriceps activation in males with patellar tendinopathy. *Phys Ther Sport*. 2017;24:13-19. doi: 10.1016/j.ptsp.2016.09.007. PMID: 28160657. SJR=0.8, Second quartile in sport science journals.
  28. \*Kakar RS, Simpson KJ, Das BM, Brown CN. Review of physical activity benefits and potential considerations for individuals with surgical fusion of spine for scoliosis. *Int J Exerc Sci*. 2017;10(2):166-177. PMID: 28344731. Not currently ranked.

27. \*Ko J, Rosen AB, Brown CN. Comparison between single and combined clinical postural stability tests in individuals with and without chronic ankle instability. *Clin J Sports Med*. 2017;27(4):394-399. doi: 10.1097/JSM.0000000000000354. PMID:27347871 SJR=0.933, Second quartile in sports science journals.
26. \*Rosen A, Ko J, Brown C. A multivariate assessment of clinical contributions to the severity of perceived dysfunction measured by the Cumberland Ankle Instability Tool. *Int J Sports Med*. 2016;37(14):1154-1158. doi: 10.1055/s-0042-113464 PMID: 27706549. SJR=1.213, First quartile in sports science journals.
25. \*Merritt ED, Schmidt JD, Brown CN, Queen RM, Simpson KJ. Concussion history and time since concussion do not influence static and dynamic balance in collegiate athletes. *J Sport Rehabil*. 2016;11:1-16. doi:[10.1123/jsr.2016-0119](https://doi.org/10.1123/jsr.2016-0119). SJR=0.786, Second quartile sport science journals.
24. \*Resch JE, Brown CN, Schmidt JD, Macciocchi SN, Blueitt D, Cullum CM, Ferrara MS. The sensitivity and specificity of clinical measures of sport concussion: Three tests are better than one. *BMJ Open Sport & Exercise Medicine*. 2016;2(1):e000012. PMID: 27900145. doi:10.1136/bmjsem-2015-000012. Too new for an impact factor.
23. \*Resch JE, Brown CN, Macciocchi SN, Cullum CM, Blueitt D, Ferrara MS. A preliminary formula to predict timing of symptom resolution for collegiate athletes diagnosed with sport concussion. *Journal of Athletic Training*. 2015;50(12):1292-1298. PMID: 26565424. Impact Factor: 2.017; Second quartile of sport science journals.
22. \*Ko J, Rosen AB, Brown CN. Cross-cultural adaptation and validation of the Korean version of the Cumberland Ankle Instability Tool. *International Journal of Sports Physical Therapy*. 2015;10(7):1007-14. PMID: 26676061. Too new for an impact factor.
21. \*Rosen AB, Ko J, Kim SH, Simpson KJ, Brown CN. Lower extremity kinematics during a drop-jump in those with patellar tendinopathy. *Orthopaedic Journal of Sports Medicine*. 2015;18(3). 2325967115576100. doi: 10.1177/2325967115576100. PMID:26665034. Too new for impact factor values.
20. \*Brown CN, Ko J, Rosen AB, Hsieh K. Individuals with both perceived ankle instability and mechanical laxity demonstrate dynamic postural stability deficits. *Clin Biomech*. 2015;30(10):1170-1174. doi: 10.1016/j.clinbiomech.2015.08.008. PMID: 26324333. Impact Factor: 1.97; 5-year impact factor 2.49. Second quartile of sport science journals. Acceptance rate ~30%.
19. \*Brown CN, Rosen AB, Ko J. Ankle ligament laxity and stiffness in chronic ankle instability. *Foot & Ankle International*. 2015;36(5):565-572. doi: 10.1177/107110071456105. PMID: 25511756. Impact factor: 1.626; 5-year impact factor: 1.758; Top 50% orthopedic journal.
18. \*Rosen, AB, Ko J, Brown CN. Diagnostic accuracy of instrumented and manual talar tilt tests in chronic ankle instability populations. *Scandinavian Journal of Medicine and Science in Sports*. 2015;25(2)e214-221. doi: 10.1111/sms.12288. PMID: 24995627. Impact factor: 3.174; 5-year impact factor: 3.803; Top 10 sport sciences journal.
17. \*Fu YC, Simpson KJ, Brown CN, Kinsey TL, Mahoney OM. Knee moments after unicompartmental knee arthroplasty during stair ascent. *Clinical Orthopaedics and Related Research*. 2014;472(1):78-85. Impact factor: 2.533; 5-year impact factor: 2.917; Top 10 orthopedic journal.

16. \*Wikstrom EA, Brown CN. Minimum reporting standards for copers in chronic ankle instability research. *Sports Medicine*. 2014;44(2):251-268. PMID: 24122774. Impact factor: 5.320; 5-year impact factor: 6.697; Number 2 ranked sport sciences journal.
15. \*Resch JE, Brown CN, Baumgartner TA, Walpert K, Macciocchi SN, Ferrara MS. Influence of mood state on the ImPACT. *Athletic Training & Sports Health Care*. 2013; 5(6): 272-281. Impact factor: not yet available. Acceptance rate ~44%.
14. \*Resch J, Driscoll A, McCaffrey N, Brown CN, Ferrara MS, Macciocchi S, Baumgartner T, Walpert K. ImPACT test-retest reliability: Reliably unreliable? *Journal of Athletic Training*. 2013;48(4):506-511. Impact Factor: 2.478; Top fifth of sport science journals. Acceptance rate ~40%.
13. \*Simpson KJ, Yom JP, Fu YC, Arnett SW, O'Rourke S, Brown CN. Does wearing a prophylactic ankle brace during drop landings affect lower extremity kinematics and ground reaction forces? *Journal of Applied Biomechanics*. 2013;29(2):205-13. Impact Factor: 1.078; 5-year impact factor 1.508. Third quarter of sport science journals. Acceptance rate ~13%.
12. \*Aguilar A, DiStefano L, Padua DA, Brown CN, Herman D, Guskiewicz KM. A dynamic warm-up model increases quadriceps strength and hamstring flexibility. *Journal of Strength and Conditioning Research*. 2012;26(4):1130-1141. Impact Factor: 1.848; 5-year impact factor: 2.756. Top quarter of sport science journals.
11. \*Brown CN, Bowser B, Simpson KJ. Movement variability during single leg jump landings in individuals with and without chronic ankle instability. *Clinical Biomechanics*. 2012;27(1):52-63. Impact Factor: 1.759; 5-year impact factor 2.347. Top quarter of sport science journals. Acceptance rate ~30%.
10. \*Brown CN. Foot clearance in walking and running in individuals with ankle instability. *American Journal of Sports Medicine*. 2011 ;39(8) :1769-1776. Impact Factor: 3.605; Top fifth of sport science journals. Acceptance rate: <30%.
9. \*Brown CN, Padua DA, Marshall SW, Guskiewicz KM. Hip kinematics in chronic ankle instability subjects during a stop jump task. *Journal of Athletic Training*. 2011;46(5):461-469. Impact Factor: 2.478; Top fifth of sport science journals. Acceptance rate ~40%.
8. \*Brown CN, Bowser B, Orellana A. Dynamic postural stability in females with chronic ankle instability. *Medicine and Science in Sports and Exercise*. 2010;42(4):2258-2263. Impact Factor: 3.707; Top fifth of sport science journals. Acceptance rate: 30%.
7. \*Brown CN, Padua DA, Marshall SW, Guskiewicz KM. Variability of motion in individuals with mechanical or functional ankle instability during a stop jump maneuver. *Clinical Biomechanics*. 2009;24(9):762-768. Impact Factor: 1.759; 5-year impact factor 2.347. Top quarter of sport science journals. Acceptance rate ~30%.
6. \*Brown CN, Padua DA, Marshall SW, Guskiewicz KM. Individuals with mechanical ankle instability exhibit different motion patterns than those with functional ankle instability and ankle sprain copers. *Clinical Biomechanics*. 2008;23(6):822-831. Impact Factor: 1.759; 5-year impact factor 2.347. Top quarter of sport science journals. Acceptance rate ~30%.
5. \*DiStefano LJ, Padua DA, Brown CN, Guskiewicz KM. Lower extremity kinematics and ground reaction forces after prophylactic lace-up ankle bracing. *Journal of Athletic Training*. 2008;43(3):234-241. Impact Factor: 2.478; Top fifth of sport science journals. Acceptance rate ~40%.
4. \*Ross SE, Arnold BL, Blackburn JT, Brown CN, Guskiewicz KM. Enhanced balance associated with coordination training with stochastic resonance stimulation in subjects with functional ankle instability. *Journal of NeuroEngineering and Rehabilitation*.

- 2007;4(47). doi:10.1186/1743-0003-4-47. Available online at: <http://www.jneuroengrehab.com/content/4/1/47>. Impact Factor: 2.12; Top fifth of sport science journals.
3. \*Brown CN, Guskiewicz KM, Bleiberg J. Effect of athlete characteristics on outcome scores for computerized neuropsychological assessment: A preliminary analysis. *Journal of Athletic Training*. 2007;42(4):515-523. Impact Factor: 2.478; Top fifth of sport science journals. Acceptance rate ~40%.
  2. \*Brown CN, Mynark RG. Recreational athletes with chronic ankle instability demonstrate dynamic but not static balance deficits. *Journal of Athletic Training*. 2007;42(3): 367-373. Impact Factor: 2.478; Top fifth of sport science journals. Acceptance rate ~40%.
  1. \*Brown CN, Ross SE, Mynark R, Guskiewicz KM. Assessing functional ankle instability using joint position sense, time to stabilization, and electromyography. *Journal of Sport Rehabilitation*. 2004;13:122-134. Impact Factor: 0.523; Lower quarter of sport science journals. Acceptance rate ~48%.

#### Bulletins or Reports – [2]

2. Rosen AB, Brown CN. Chronic ankle instability and self-reported function. *Lower Extremity Review*. 2017;March. Available online: <http://lermagazine.com/article/chronic-ankle-instability-and-self-reported-function>
1. Rosen AB, Brown CN. Biomechanical characteristics of copers. *Lower Extremity Review*. 2012;January. Available online: <http://lowerextremityreview.com/article/biomechanical-analysis-of-ankle-sprain-copers>

#### Published Abstracts (Published, In Print, or Accepted) [93]

93. \*Samson CO, Simpson KJ, Brown CN. Sagittal ankle ROM gains during squats associated with increased frontal hip and transverse knee ROM for chronic ankle instability individuals. 2019 National Athletic Trainers' Association Annual Meeting. Las Vegas, NV, USA. *Journal of Athletic Training*. 2019;54(6):S-246
92. \*Brown CN, Norcross MF. Single leg landing energetics in individuals with chronic ankle instability. 2019 National Athletic Trainers' Association Annual Meeting. Las Vegas, NV, USA. *Journal of Athletic Training*. 2019;54(6):S-244.
91. \*Samson CO, Novak T, Lafe CW, Brown CN. Center of pressure complexity is associated with future chronic lower extremity injury. *2018 National Athletic Trainers' Association Annual Meeting*. New Orleans, LA, USA. *Journal of Athletic Training*. 2018;53(6):S-133.
90. \*Samson CO, Straw CM, Henry GM, Brown CN. History of major lower extremity injury associated with subsequent injury in collegiate club sport athletes. *2017 National Athletic Trainers' Association Annual Meeting*. Houston, TX, USA. *Journal of Athletic Training*. 2017;52(6):S-270.
89. \*Ko J, Simpson KJ, Brown CN. The relationship between center of pressure measures and reach distance while performing the Star Excursion Balance Test in individuals with and without chronic ankle instability. *2017 National Athletic Trainers' Association Annual Meeting*. Houston, TX, USA. *Journal of Athletic Training*. 2017;52(6):S-98.
88. \*Brown CN, Samson CO. Functional movement screen and overuse injuries in collegiate club sport athletes. *2017 National Athletic Trainers' Association Annual Meeting*. Houston, TX, USA. *Journal of Athletic Training*. 2017;52(6):S-119.
87. \*Brown CN, Rosen AB, Ko J, Hsieh KL, Samson CO. Lateral ankle joint complex stiffness to inversion in those with chronic ankle instability. *2016 National Athletic Trainers' Association Annual Meeting*. Baltimore, MD, USA. *Journal of Athletic Training*. 2016;51(6):S-257.

86. \*Ko J, Rosen AB, Brown CN. Functional performance tests that identify adolescent athletes with risk of lateral ankle sprains. *2016 National Athletic Trainers' Association Annual Meeting*. Baltimore, MD, USA. *Journal of Athletic Training*. 2016;51(6):S-244.
85. \*Rosen AB, Ko JP, Brown CN. The relationship between acute pain and dynamic postural stability indices in individuals with patellar tendinopathy. *2016 National Athletic Trainers' Association Annual Meeting*. Baltimore, MD, USA. *Journal of Athletic Training*. 2016;51(6):S-296.
84. \*Samson CO, Straw CM, Henry GM, Brown CN. Correlation of lower extremity injury history and Functional Movement Screen™ limb scores in collegiate club rugby players. *2016 National Athletic Trainers' Association Annual Meeting*. Baltimore, MD, USA. *Journal of Athletic Training*. 2016;51(6):S-102.
83. \*Li Y, Walker M, Ko J, Schmidt JD, Brown CN, Simpson KJ. Lower extremity biomechanics of an ankle “giving way” case during the drop landing. *2016 International Conference on Biomechanics in Sports*. Tsukuba, Japan.
82. \*Kakar RS, Li Y, Brown CN, Fu YC, Simpson KJ. Lower extremity kinetics during stop-jump of individuals with adolescent idiopathic scoliosis after surgical fusion of spine. *2015 American Society of Biomechanics*. Columbus, OH, USA.
81. \*Kakar RS, Li Y, Fu YC, Brown CN, Simpson KJ. Spine kinematics exhibited during running by adolescent idiopathic scoliosis patients with spinal fusion. *2015 Annual Meeting of North American Spine Society*. Chicago, IL, USA.
80. \*Li Y, Kakar RS, Walker M, Fu YC, Oswald TS, Brown CN, Simpson KJ. Intra-trunk coordination exhibited during treadmill running by individuals with spinal fusion for adolescent idiopathic scoliosis. *2015 Congress of the International Society of Biomechanics*. Glasgow, UK.
79. \*Kakar RS, Li Y, Fu YC, Brown CN, Oswald TS, Simpson KJ. Lower extremity kinematics during stop-jump of individuals with adolescent idiopathic scoliosis after surgical fusion of spine. *2015 Congress of the International Society of Biomechanics*. Glasgow, UK.
78. \*Kakar RS, Li Y, Fu YC, Brown CN, Oswald TS, Simpson KJ. Sagittal plane spine kinematics during stop-jump of individuals with adolescent idiopathic scoliosis post surgical fusion of spine. *2015 Congress of the International Society of Biomechanics*. Glasgow, UK.
77. \*Rosen AB, Ko J, Simpson KJ, Brown CN. Patellar tendon straps alter quadriceps activity in males during drop-jump landing. *2015 Mid-American Athletic Training Association Annual Meeting*. Omaha, NE, USA.
76. \*Brown CN, Samson CO, Hsieh KL, Ko J. Lateral ankle joint complex stiffness in those with chronic ankle instability. *2015 International Ankle Symposium*. Dublin, Ireland. *British Journal of Sports Medicine*. 2015;49:Suppl 1 A8 doi:10.1136/bjsports-2015-095573.
75. \*Ko J, Rosen AB, Brown CN. Functional performance deficits and ankle sprain occurrence in an adolescent population. *2015 International Ankle Symposium*. Dublin, Ireland. *British Journal of Sports Medicine*. 2015;49:Suppl 1 A2 doi:10.1136/bjsports-2015-095573.5
74. \*Samson CO, Hsieh KL, Brown CN. Lateral ankle complex response to repeated mechanical laxity assessment. *2015 International Ankle Symposium*. Dublin, Ireland. *British Journal of Sports Medicine*. 2015;49:Suppl 1 A21 doi:10.1136/bjsports-2015-095573.51

73. \*Brown CN, Rosen AB, Ko JP, Simpson KJ. Accuracy of ligamentous laxity measures in stable and unstable ankles. *2015 National Athletic Trainers' Association Annual Meeting*. St. Louis, MO, USA. *Journal of Athletic Training*. 2015;50(6):S-259.
72. \*Ko JP, Rosen AB, Schmidt JD, Simpson KJ, Brown CN. Is Body Mass Index Percentile a covariate to functional performance tests in adolescents with and without chronic ankle instability? *2015 National Athletic Trainers' Association Annual Meeting*. St. Louis, MO, USA. *Journal of Athletic Training*. 2015;50(6):S-254.
71. \*Merritt ED, Schmidt JD, Hoffman NL, Courson RW, Brown CN, Ko JP, Simpson KJ. Relationship between clinically available static and dynamic balance assessments. *2015 National Athletic Trainers' Association Annual Meeting*. St. Louis, MO, USA. *Journal of Athletic Training*. 2015;50(6):S-221.
70. \*Rosen AB, Ko JP, Simpson KJ, Brown CN. Patellar tendon straps reduce pain and decrease peak vertical ground reaction forces during a single leg landing. *2015 National Athletic Trainers' Association Annual Meeting*. St. Louis, MO, USA. *Journal of Athletic Training*. 2015;50(6):S-38..
69. \*Samson CO, Rosen AB, Dew M, Courson RW, Brown CN. Functional Movement Screen asymmetry scores and side of injury in collegiate athletes. *2015 National Athletic Trainers' Association Annual Meeting*. St. Louis, MO, USA. *Journal of Athletic Training*. 2015;50(6):S-136.
68. \*Brown CN, Ko J, Rosen AB, Schmidt JD, Simpson KJ. Anterior reach deficits in star excursion balance tests in an adolescent unstable ankle population. *2015 American College of Sports Medicine Annual Meeting*. San Diego, CA, USA. *Medicine and Science in Sports and Exercise*. 2015;47(5S):130.
67. \*Hoffman NL, Courson RW, McGovern RP, Merritt ED, Brown CN, Simpson KJ, Schmidt JD. The effect of sleep quality on head impact severity in collegiate football players. *2015 American College of Sports Medicine Annual Meeting*. San Diego, CA, USA. *Medicine and Science in Sports and Exercise*. 2015;47(5S):958.
66. \*Ko J, Samson CO, Schmidt JD, Simpson KJ, Brown CN. Functional performance tests in an adolescent population with chronic ankle instability. *2015 American College of Sports Medicine Annual Meeting*. San Diego, CA, USA. *Medicine and Science in Sports and Exercise*. 2015;47(5S):128.
65. \*Samson CO, Dew M, Courson RW, Ragan BG, Simpson KJ, Brown CN. Functional Movement Screen score change and injury occurrence in collegiate female athletes across two seasons. *2015 American College of Sports Medicine Annual Meeting*. San Diego, CA, USA. *Medicine and Science in Sports and Exercise*. 2015;47(5S):854.
64. \*Simpson KJ, Kakar RS, Fu YC, Walker M, Brown CN, Oswald TS. Do individuals with fused spinal segments for adolescent idiopathic scoliosis (AIS) compensate for the loss of spinal range of motion during running? *2014 Internaional Meeting on Advanced Spine Techniques*. Valencia, Spain.
63. \*Bowser B, Brown CN, White LJ, Simpson KJ. Step down movement kinematics of persons with Multiple Sclerosis who display leg weakness. *2014 World Congress of Biomechanics*, Boston, MA, USA.
62. \*Rosen A, Ko J, Simpson JK, Brown CN. Hip and knee sagittal plane angular displacements during jump landing are decreased in those with chronic patellar tendinopathy. *2014 World Congress of Biomechanics*, Boston, MA, USA.



61. \*Brown CN, Rosen AB, Ko J, Fu YC, Simpson KJ. Approximate entropy in physically active individuals with unilateral and bilateral chronic ankle instability. *2014 National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, USA. *Journal of Athletic Training*. 2014;49(3):S221.
60. \*Hodgson CR, Brown CN, Schmidt JD, Dew M. Dual thoracic outlet syndrome surgeries and ulnar neuropathy in a female collegiate softball athlete. *2014 National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, USA. *Journal of Athletic Training*. 2014;49(3):S274.
59. \*Lawrence YP, Chandler DO, Brown CN, Schmidt JD. Retinal detachment resulting from indirect trauma in a collegiate pole vaulter. *2014 National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, USA. *Journal of Athletic Training*. 2014;49(3):S275.
58. \*Rosen AB, LeBlanc RM, Fu YC, Simpson KJ, Brown CN. Lower extremity kinematics with and without patellar tendon straps. *2014 National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, USA. *Journal of Athletic Training*. 2014;49(3):S185.
57. \*Brown CN, Larson RD, Bowser B, Simpson KJ, White LJ. Limb asymmetry during limits of stability testing in individuals with multiple sclerosis. *2014 American College of Sports Medicine Annual Meeting*. Orlando, FL, USA. *Medicine and Science in Sports and Exercise*. 2014;46(5S):S910.
56. \*Ko J, Rosen AB, Simpson KJ, Brown CN. Cross-cultural adaptation and reliability of the Korean version of the Identification of Functional Ankle Instability Tool. *2014 American College of Sports Medicine Annual Meeting*. Orlando, FL, USA. *Medicine and Science in Sports and Exercise*. 2014;46(5S):S159.
55. \*Merritt ED, Schmidt JD, Courson RW, Brown CN, Reifsteck M, Simpson KJ. The influence of game experience on head impact frequency and severity among collegiate football players. *2014 American College of Sports Medicine Annual Meeting*. Orlando, FL, USA. *Medicine and Science in Sports and Exercise*. 2014;46(5S):S13.
54. \*Bowser BJ, Brown CN, White LJ, Simpson KJ. Changes in step down kinematics following 16 weeks of supervised progressive resistance training for people with multiple sclerosis. *2014 Consortium of Multiple Sclerosis Centers*, Dallas, TX, USA.
53. \*Ko JP, Rosen AB, Brown CN, Simpson KJ. Cross-cultural adaptation and reliability of the Korean version of the Cumberland Ankle Instability Tool. *2014 Southeast Chapter of American College of Sports Medicine Meeting*, Greenville, SC, USA.
52. \*Hsieh KL, Rosen AB, LeBlanc R, Fu YC, Simpson KJ, Brown CN. Effect of patellar tendon straps on knee joint moments during a drop-jump. *2014 Southeast Chapter of American College of Sports Medicine Meeting*, Greenville, SC, USA. Undergraduate poster.
51. \*Rosen AB, Ko J, Brown CN. Dynamic postural stability deficits exist in mechanically lax individuals but not those with perceived functional ankle instability. *2013 American Society of Biomechanics Meeting*, Omaha, NE, USA.
50. \*Bowser B, Brown CN, White LJ, Simpson KJ. Loading asymmetry during a stand to sit task for people with multiple sclerosis. *2013 American Society of Biomechanics Meeting*, Omaha, NE, USA.
49. \*Brown CN, Rosen AB, Ko JP. Mechanical laxity is greater in an unstable ankle

- population compared to copers and controls. *2013 National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV, USA. *Journal of Athletic Training*. 2013;48(3):S216.
48. \*Ko JP, Rosen AB, Brown CN. Functional performance tests in a recreationally active population with chronic ankle instability and a healthy control group. *2013 National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV, USA. *Journal of Athletic Training*. 2013;48(3):S210.
  47. \*Resch JE, Brown CN, Baumgartner TA, Walpert K, Macciocchi SN, Ferrara MS. The influence of mood state on IMPACT baseline test performance. *2013 National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV, USA. *Journal of Athletic Training*. 2013;48(3):S196.
  46. \*Rosen AB, Ko JP, Brown CN. Mechanical laxity testing in those with chronic ankle instability: An evidence based approach. *2013 National Athletic Trainers' Association Annual Meeting*. Las Vegas, NV, USA. *Journal of Athletic Training*. 2013;48(3):S181.
  45. \*Bowser BJ, Brown CN, White LJ, Simpson KJ. Loading asymmetry during the sit to stand in people with multiple sclerosis. *2013 American College of Sports Medicine Annual Meeting*. Indianapolis, IN, USA. *Medicine and Science in Sports and Exercise*. 2013;45(5):S298.
  44. \*Rosen AB, Brown CN. Can ankle range of motion and ligament laxity measures predict self-reported ankle function? *2012 International Ankle Symposium* Lexington, KY, USA.
  43. \*Fu Y-C, Kinsey TL, Mahoney OM, Brown CN, Simpson KJ. Comparison of unicompartmental knee arthroplasty and healthy limb for knee moments generated during stair ascent. *2012 Annual American Society of Biomechanics Meeting*, Gainesville, Florida, USA.
  42. \*Simpson KJ, Fu Y-C, Kinsey TL, Brown CN, Mahoney OM. Does interlimb kinematic symmetry exist during stair ascent after unicompartmental knee arthroplasty? *2012 Annual American Society of Biomechanics Meeting*, Gainesville, Florida, USA.
  41. \*Brown CN, Rosen AB, Ko JP. Ankle laxity is correlated to self-report function and dynamic postural stability index. *2012 National Athletic Trainers' Association Annual Meeting*. St. Louis, Mo, USA. *Journal of Athletic Training*. 2012;47(3):S-32.
  40. \*Ko JP, Rosen AB, Brown CN. Correlation between self-report ankle function and dynamic postural stability in recreationally active individuals. *2012 National Athletic Trainers' Association Annual Meeting*. St. Louis, Mo, USA. *Journal of Athletic Training*. 2012;47(3):S-31.
  39. \*Rosen AB, Ko JP, Brown CN. The relationships between three commonly used ankle instability questionnaires. *2012 National Athletic Trainers' Association Annual Meeting*. St. Louis, Mo, USA. *Journal of Athletic Training*. 2012;47(3):S-33.
  38. \*Platt BC, Brown CN, Ferrara M, Ward K. Scaphoid cyst in a collegiate softball pitcher. *2012 National Athletic Trainers' Association Annual Meeting*. St. Louis, Mo, USA. *Journal of Athletic Training*. 2012;47(3):S-195.
  37. \*Bowser B, Larson R, Brown CN, White L, Simpson KJ. Exercise improves sit-to-stand function in people with multiple sclerosis. *2012 Consortium of Multiple Sclerosis Centers Annual Meeting*. San Diego, CA, USA.
  36. \*Brown CN, Bowser B. Ankle Kinematic Variability is Negatively Correlated with Postural Stability Indices. *2011 National Athletic Trainers' Association Annual Meeting*. New Orleans, LA, USA. *Journal of Athletic Training*. 2011;46(3):S-99.

35. \*Lee HR, Ferrara MS, Brown CN, Resch JE. A Survey of Knowledge Differences of Sport-related Concussion between Contact and Non-contact Sports Athletes in South Korea. *2011 National Athletic Trainers' Association Annual Meeting*. New Orleans, LA, USA. *Journal of Athletic Training*. 2011;46(3):S-35.
34. \*Resch JE, Brown CN, Macciocchi SN, Baumgartner TA, Walpert KM, Ferrara, MS. Reliability of a Computerized Neuropsychological Test. *2011 National Athletic Trainers' Association Annual Meeting*. New Orleans, LA, USA. *Journal of Athletic Training*. 2011;46(3):S-61.
33. \*Brown CN, Bowser B, Orellana A. Lower extremity joint kinematics in individuals with chronic ankle instability during a lateral single leg jump landing. *2010 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. Philadelphia, PA, USA. *Journal of Athletic Training*. 45(3)S-108, 2010.
32. \*Resch JE, Lee HR, Brown CN, Baumgartner TA, Olejnik S, Walpert K, Macciocchi SN, Ferrara MS. Predictors of symptom resolution following sport related concussion. *2010 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. Philadelphia, PA, USA. *Journal of Athletic Training*. 45(3)S-20, 2010.
31. Shepherd K, Elliott R, Bryant S, Brown CN, Ferrara MS. Occipital neuralgia in a collegiate equestrian athlete. *2010 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. Philadelphia, PA, USA. *Journal of Athletic Training*. 45(3)S-53, 2010.
30. \*Brown CN, Bowser B, Simpson KJ. Movement variability in chronic ankle instability during an anterior single leg jump landing. *2010 American College of Sports Medicine Annual Meeting – Poster Presentation*. Baltimore, MD, USA. *Medicine and Science in Sports and Exercise*. 42(5)582, 2010.
29. \*Brown CN, Bowser B, Orellana A. Sagittal plane kinematics in individuals with chronic ankle instability during single leg jump landing. *2009 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. San Antonio, TX, USA. *Journal of Athletic Training*. 44(3)S-18, 2009.
28. \*Resch J, Lee HR, Olejnik S, Brown CN, Ferrara M. Sensitivity and Specificity of the ImPACT Test Battery for Concussion in Collegiate Athletes. *2009 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. San Antonio, TX, USA. *Journal of Athletic Training*. 44(3)S-45, 2009.
27. \*Brown CN, Orellana AM, Larson R, Schik C, White LJ. Somatosensory deficits in individuals with multiple sclerosis. *2009 Consortium of Multiple Sclerosis Centers Annual Meeting – Poster Presentation*. Atlanta, GA, USA. Published online, available at: [http://www.ms-care.org/cm-sc/images/pdf/2009CMSCAbstract\\_poster22.pdf](http://www.ms-care.org/cm-sc/images/pdf/2009CMSCAbstract_poster22.pdf)
26. \*Orellana AM, Brown CN, Fu YC, Larson R, Schik C, White LJ. Correlating instrumented and clinical measures of balance. *2009 Consortium of Multiple Sclerosis Centers Annual Meeting – Poster Presentation*. Atlanta, GA, USA. Published online, available at: [http://www.ms-care.org/cm-sc/images/pdf/2009CMSCAbstract\\_poster2.pdf](http://www.ms-care.org/cm-sc/images/pdf/2009CMSCAbstract_poster2.pdf)
25. \*Brown CN, Padua DA, Marshall SW, Guskiewicz KM. Stop jump movement variability in recreational athletes with chronic ankle instability. *2008 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-106, 2008.
24. \*Bowser BJ, Fu YC, Brown CN. Dynamic postural stability in chronically unstable and stable ankles during a laterally directed single leg jump landing. *2008 National Athletic*

- Trainers' Association Annual Meeting – Poster Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-108, 2008.
23. \*Baggett JB, Navitskis L, Courson R, Ferrara MS, Brown CN. Grade V acromioclavicular joint sprain, chronic in a collegiate football player. *2008 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-113, 2008.
  22. \*Dame L, Reifstek F, Courson R, Ferrara M, Brown CN, Gandy W. Prolonged QT wave in a female collegiate swimmer. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-40, 2008.
  21. \*Donovan KM, Reifsteck F, Ferrara MS, Brown CN. Idiopathic gastroparesis in a middle distance runner: A case report. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-42, 2008.
  20. \*Herrema JL, Courson R, Ferrara MS, Brown CN. Complicated diagnosis of foot ulcerations in female tennis player. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-42, 2008.
  19. \*Miller EM, Courson R, Brown CN, Ferrara MS. Transient peroneal nerve palsy in a male collegiate football player. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-45, 2008.
  18. \*Neumann MR, Bryant S, Brown CN, Ferrara MS. Herpes simplex keratitis in the eye of a male intercollegiate tennis player. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-134, 2008.
  17. \*Ramos T, Reifsteck F, Courson R, Brown CN, Ferrara M. Severe anxiety to medical treatment in a female equestrian athlete. *2008 National Athletic Trainers' Association Annual Meeting – Oral Presentation*. St. Louis, MO, USA. *Journal of Athletic Training*. 43(3)S-37, 2008.
  16. \*Bowser BJ, Fu YC, Brown CN. Differences in landing forces in individuals with and without chronic ankle instability. *2008 American College of Sports Medicine Annual Meeting – Oral Presentation*. Indianapolis, IN, USA. *Medicine and Science in Sports and Exercise*, 40(5)S80, 2008.
  15. \*Bowser BJ, Fu YC, Brown CN. Gender differences in ground reaction forces and dynamic postural stability while performing a single leg jump landing. *2008 Southeastern Meeting of the American Society of Biomechanics – Oral Presentation*. Birmingham, AL, USA. April 27-29, 2008.
  14. \*Brown CN, Guskiewicz KM, Padua DA, Marshall SW. Hip kinematics are different in individuals with mechanical ankle instability compared to functional instability and copers during a stop jump task. *2007 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. Anaheim, CA, USA. *Journal of Athletic Training*, 42(2)S-101, 2007.
  13. \*Resch J, Keller K, Brown CN, Cooper E, Ferrara M. Relationship between weather station data and heat stress/thermal environment monitors. *2007 National Athletic*

- Trainers' Association Annual Meeting – Oral Presentation*. Anaheim, CA, USA. *Journal of Athletic Training*, 42(2)S-17, 2007.
12. \*Aguilar AJ, Padua DA, Guskiewicz KM, Strickland LJ, Brown CN, Herman DC. A dynamic warm-up model increases quadriceps strength and hamstring flexibility more than a standard warm-up. *2007 National Athletic Trainers' Association Annual Meeting – Poster Presentation*. Anaheim, CA, USA. *Journal of Athletic Training*, 42(2)S-121, 2007.
  11. \*Brown CN, Guskiewicz KM, Padua DA, Marshall SW, Giuliani C. Kinematics and kinetics in recreational athletes with chronic ankle instability during a stop jump task. *2006 International Ankle Symposium – Oral Abstract*. Dublin, Ireland. *Journal of Orthopaedic and Sports Physical Therapy*, 36(11)A-12, 2006.
  - 1-10. \*9 1<sup>st</sup> author, 5 co-author research and clinical case study abstracts presented from 2003-2006 at National Athletic Trainers' Association Annual Meeting, American College of Sports Medicine Annual Meeting, and International Ankle Symposium.

\*Indicates manuscript or abstract has undergone extensive peer review process prior to publication

#### Works submitted but not yet accepted (in review) [3]

1. Kakar RS, Fu YC, Kinsey TL, Brown CN, Mahoney OM, Simpson KJ. Lower limb kinematics of unicompartmental knee arthroplasty individuals during stair ascent. *European Journal of Orthopaedic Surgery and Traumatology*. 2019. *In Review*. SJR=0.724, Second quartile Orthopedics and Sports Medicine.
2. Walker MA, Li Y, Samson CO, Simpson KJ, Foutz T, Brown CN. The effect of rib protector garments on trunk kinematics, performance, and perceptions of quarterbacks during an overhand American football throw. *Journal of Applied Biomechanics*. 2019. *In Review*.

#### **Grants Received**

##### Funded [13]

13. Brown CN. College of Education, University of Georgia. Provost Summer Research Grant. January 2013. Pediatric ankle injury outcomes and biomarkers for ankle osteoarthritis. \$5000. Principal Investigator.
12. Brown CN. College of Education, University of Georgia. Summer Research Grant. January 2012. Establishing evidence based criteria for chronic ankle instability. \$5900. Principal Investigator.
11. Simpson KJ. Arthrex Inc. August 2011. Do unicompartmental knee arthroplasties (Align 360) restore biomechanics and physical function of patients. \$250,701. Co-Investigator.
10. Simpson KJ. Scoliosis Research Society. July 2012. Movement techniques used by individuals with adolescent idiopathic scoliosis during high-effort activities and the effects of spinal fusion surgery on compensatory adaptations. \$9,846. Co-Investigator.
9. Brown CN. College of Education Summer Research Grant. December 2011. *Evidence based criteria for ankle instability and grant writing support*. \$6000. Principal Investigator.
8. Brown CN. College of Education Grant Writing Mentorship Program. January 2009. *Pilot data for federal grant application*. \$2000. Principal Investigator.
7. Brown CN, White LJ. March 2008. Early Career Faculty Research Grant, UGA College of Education: *Measures of balance and stability in individuals with multiple sclerosis undergoing strength and flexibility training*. \$6000. Principal Investigator.

6. Brown CN, Bowser B. November 2006. UGA Faculty Research Grant: *Chronic ankle instability: Comparing time to stabilization and variability in mechanically and functionally unstable ankles*. \$5924. Principal Investigator.
5. Brown CN, Padua DA, Marshall S, Guskiewicz KM. November 2004. Smith Graduate Research Grant; UNC-CH Graduate School Dissertation Grant; *Factors contributing to chronic ankle instability*. \$991. Principal Investigator.
4. Brown CN, Guskiewicz KM. April 2004. Injury Prevention Research Center/Office of Undergraduate Research At UNC-CH Injury Internship – Graduate Supervisor of Fay McCunniff. *Validity and reliability of Motion Monitor electromagnetic tracking system for testing ankle joint laxity*. \$1000. Principal Investigator.
3. Brown CN, Mynark R. April 2004. Injury Prevention Research Center Student Small Grant Program at UNC-CH: *Measuring postural stability after perturbation in recreational athletes with and without chronic ankle instability*. \$760. Principal Investigator.
2. Brown CN, Guskiewicz KM. November 2003; District III Research Grant - National Athletic Trainer's Association; *Biomechanical evaluation of jump landing in individuals with chronic ankle instability*. \$1000. Principal Investigator.
1. Brown CN, Harmer P. March 1999; Willamette University: Carson Undergraduate Research Grant: *Happy Feet: Enhancing Balance and Agility in Older Individuals Through Tap Dance Training*. \$2500. Principal Investigator.

Not funded [16]

16. Brown CN, Bovbjerg. February 2019. National Athletic Trainers' Association Research and Education Foundation. *Overuse and Non-Time-Loss Injuries in Pac-12 Sports*. \$57,041. PI.
15. Brown CN, Bovbjerg. September 2018. Pac-12 Student-Athlete Health & Well-Being Initiative. *Overuse Injuries: Documenting Overuse and Non-Time-Loss Injuries in Pac-12 Sports*. \$499,783. PI.
14. Rosen AB, Brown CN. February 2016. National Basketball Association/GE Healthcare Orthopedics and Sports Medicine Collaboration. *Contributing Factors and Risk Assessment of Patellar Tendinopathy in Collegiate Basketball Players: A Multi-Site Collaboration*. \$274,697. Co-Investigator.
13. Ko J, Brown CN. February 2014. Southeast Athletic Trainers Association. *Prevalence of Chronic Ankle Instability and Functional Performance Deficits in a Young Korean Soccer-Playing Population*. \$2000. Faculty Advisor.
12. Brown CN. October 2013. National Multiple Sclerosis Society. *SPASM: Spasticity, Asymmetry and Stiffness in Muscles*. \$33,858. Principal Investigator.
11. Brown CN. June 2013. Department of Defense, Congressionally Directed Medical Research Programs. *SPASM: Spasticity, Asymmetry and Stiffness in Muscles*. \$33,858. Principal Investigator. \$400,000. Principal Investigator.
10. Brown CN. May 2013. Consortium of Multiple Sclerosis Centers. *SPASM: Spasticity, Asymmetry and Stiffness in Muscles*. \$39,688. Principal Investigator. Withdrawn as UGA was not eligible to become a center.
9. Brown CN. October 2012. National Multiple Sclerosis Society. *SAF-T Study: Spasticity, asymmetry and falls tracking in people with multiple sclerosis*. \$41,639. Principal Investigator.
8. Brown CN. January 2011. Arthritis National Research Foundation. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$56,270. Principal Investigator.
7. Brown CN. October 2010. Arthritis Foundation. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$99,393. Principal Investigator.
6. Brown CN. October 2010. National Institutes of Health: R03. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$148,500. Principal Investigator.

5. Brown CN. January 2010. Arthritis National Research Foundation. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$75,000. Principal Investigator.
4. Brown CN. October 2009. Arthritis Foundation. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$100,000. Principal Investigator.
3. Brown CN. October 2009. National Institutes of Health: R03. *Custom-fit orthotics intervention to treat and delay osteoarthritis*. \$50,000. Principal Investigator.
2. Brown CN. October 2008. University of Georgia Office of the Vice-President for Research. *Grant writing mentorship*. \$2500. Principal Investigator.
1. Brown CN, Guskiewicz KM. March 2004. National Athletic Trainers' Association Doctoral Grant: *A biomechanical analysis of ankle instability: Comparing mechanical to functional ankle instability*. \$2500. Principal Investigator.

### **Recognition and Achievements**

13. Fellow, National Athletic Trainers' Association. June 2018.
12. Education/Administration Athletic Trainer Award. Southeast Athletic Trainers' Association. March 2014.
11. College of Education Outstanding Teaching Award winner. Kinesiology Department. April 2013.
10. UGA Career Center – Annual Graduate Survey. Named as a faculty impacting career development. April 2013, April 2014.
9. New Investigator Award Nominee. National Athletic Trainers' Association. October 2011.
8. College of Education Grant Writing Mentorship Program Participant. 1 of 3 faculty selected in inaugural year. Mentor: Drs. Kevin McCully and Lesley J. White. December 2008-June 2010
7. Lilly Teaching Fellow. University of Georgia Spring 2008-Spring 2010
6. Nominee National Athletic Trainers' Association PhD Dissertation Award-2009
5. Nominee National Athletic Trainers' Association Student Research Awards Competition PhD poster abstract presentation 2008  
PhD poster abstract presentation 2007
4. National Athletic Trainers' Association Research and Education Foundation PhD Scholarship Recipient. June 2004
3. Winner National Athletic Trainers' Association Foundation Student Research Awards Competition. PhD oral abstract presentation 2003
2. William H. Reynolds Fellowship: The Graduate School at University of North Carolina at Chapel Hill. 2002-2006
1. Phi Beta Kappa: Willamette University, 1999

### **Areas of Research**

I am a biomechanist who measures postural stability (balance) and human motion (joint angles/forces and landing forces). I apply these techniques to physically active people across the lifespan, from adolescents to older adults. My research interests include chronic joint instability and lower extremity sports injuries, the role of movement variability in injury, and overuse/non-time-loss injuries. I am working to determine mechanisms for injury and joint and postural instability, and to determine if there are modifiable characteristics that could be targeted by injury prevention programs.

**Journal Editor or Editorial Board Member**Editorial Board Member

Journal of Sport Rehabilitation, 2009-present, Reviewer 2008-present

Reviewer

American Journal of Sports Medicine, 2012-present

BMC Musculoskeletal Review, 2012-present

British Journal of Sports Medicine, 2007-present

Canadian Medical Association Journal, 2008-present

Clinical Biomechanics, 2011-present

European Journal of Sports Science, 2011-present

Gait and Posture, 2011-present

Human Movement Science, 2013-present

International Journal of Sports Medicine, 2017-present

Journal of Athletic Training, 2004-present

Journal of Biomechanics, 2009-present

Journal of Clinical and Experimental Neuropsychology, 2008-present

Journal of Electromyography and Kinesiology, 2014-present

Journal of Science and Medicine in Sport, 2015-present

Journal of Sports Science and Medicine, 2019-present

Medicine and Science in Sports & Exercise, 2015-present

Physical Medicine and Rehabilitation, 2013-present

Physiotherapy Theory and Practice, 2018-present

Physical Therapy, 2015-present

Physical Therapy in Sport, 2010-present

Physician and Sports Medicine, 2014-present

PLOS ONE, 2014-present

Psychological Reports Perceptual and Motor Skills, 2009-present

Scandinavian Journal of Medicine and Science in Sport, 2014-present

Sports Health, 2017-present

Sports Medicine, 2017-present

**Convention Papers [18]**

18. Brown CN. Clinical utility of tests for lateral ankle sprains. *Northwest Athletic Trainers' Association D10*. Board of Certification approved for Evidence Based Practice CEUs. Portland, OR. March 24, 2018.
17. Brown CN. Using clinical simulation labs to improve student learning. *Innovation in Teaching Conference*; UGA College of Education. Athens, GA. October 17, 2014.
16. Brown CN. Evidence based practice in sports medicine. *UGA Athletic Training Emergency Care Course*. Athens, GA. July 15, 2011.
15. Brown CN, Gribble P, McKeon P. Using motion analysis research to develop chronic ankle instability rehabilitation programs. *61<sup>st</sup> Annual National Athletic Trainers' Association Annual Meeting and Clinical Symposia Workshop – Feature Presentation*. Philadelphia, PA. June 24, 2010.
14. Brown CN. Applying and negotiating for faculty positions. *7<sup>th</sup> Annual Human Movement Science Research Symposium*. Chapel Hill, NC. February 26, 2010.
13. Brown CN. How to Identify and Treat Chronic Ankle Instability Workshop. Head, Face and Throat Injuries Workshop. Hip and Thigh Injuries Workshop. *25<sup>rd</sup> Annual Southeastern Athletic Trainers' Association Athletic Training Student Workshop*. Atlanta, GA. February 4-6, 2010.



12. Brown CN. Do you see what I see? Clickers as a concept check. *3rd Biennial SEATA Athletic Training Educators' Conference*. Atlanta, GA. February 4, 2010.
11. Brown CN. Introduction to evidence based medicine in athletic training. Georgia Athletic Trainers' Annual Meeting. Peachtree City, GA January 15, 2010.
10. Brown CN. Integrating technology into the athletic training classroom. *60<sup>th</sup> Annual National Athletic Trainers' Association Annual Meeting and Clinical Symposia Workshop*. San Antonio, TX. June 20, 2009
9. Brown CN. Correlating instrumented and clinical measures of balance. *Consortium of Multiple Sclerosis Centers – International Organization of Multiple Sclerosis Rehabilitation Therapists*. Invited talk with Dr. Lesley White. Atlanta, GA. May 27, 2009.
8. Brown CN. Clinical gait assessment: Using video to analyze gait for your patients. *34<sup>th</sup> Annual Southeastern Athletic Trainers' Association Clinical Symposium and Members Meeting*. Panama City Beach, FL. March 21, 2009.
7. Brown CN. How to Identify and Treat Chronic Ankle Instability Workshop. Hip and Thigh Injuries Workshop. *24<sup>th</sup> Annual Southeastern Athletic Trainers' Association Athletic Training Student Workshop*. Atlanta, GA. February 6-7, 2009.
6. Brown CN. Basics of clinical gait assessment: Using simple video and software to analyze gait. *4<sup>th</sup> Annual Georgia Sports Medicine Symposium*. Athens, GA. May 15, 2008.
5. Brown CN. How to Identify and Treat Chronic Ankle Instability Workshop. Head, Face and Throat Injuries Workshop. *23<sup>rd</sup> Annual Southeastern Athletic Trainers' Association Athletic Training Student Workshop*. Atlanta, GA. February 8-10, 2008.
4. Brown CN. Concussion in Sports. *3<sup>rd</sup> Annual Georgia Sports Medicine Symposium*. St. Mary's Hospital, Athens, GA. June 2, 2007.
3. Brown CN. How to Identify and Treat Chronic Ankle Instability. *22<sup>nd</sup> Annual Southeastern Athletic Trainers' Association Athletic Training Student Workshop*. Atlanta, GA. February 10, 2007.
2. Brown CN. Sideline Assessment of Concussion. *Mid-Atlantic Athletic Trainers' Association District III Convention – Workshop*. Virginia Beach, VA. May 2004.
1. Guskiewicz KM, Ross SE, Blackburn JT, Brown CN. Student Symposium: Brain prosection. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 2003.

**INSTRUCTION**

\*Only courses taught at OSU are listed.

<b>Course # (Credits)</b>	<b>Title</b>	<b>Terms</b>	<b>Enrollment</b>
KIN301 (var)			
KIN311 (4)	Motor Behavior	Summer 2017	12
KIN321 (4)	Biomechanics of Human Movement	Winter 2018	140
KIN321e (4)	Biomechanics of Human Movement	Spring 2018, Summer 2019	18, 20
KIN360e (3)	Injury Management for the Physically Active (formerly KIN160)	Fall 2016, Winter 2019	52, 25
KIN380 (4)	Therapeutic Modalities	Fall 2016, Winter 2017	53, 38
KIN401or (var) KIN301	Research and Scholarship	Spring 2018, Spring 2019	1, 4
KIN425 (4)	Anatomical Kinesiology	Winter 2017	40
KIN510 (5)	Internship (MATRN) (1 hr/wk in class)	Winters 2018, 2019	10, 8
KIN511 (4)	Introduction to Athletic Training (team taught, assigned 1 week)	Summer 2018	8
KIN520 (4)	Orthopedic Assessment of Upper Extremity Injuries	Winter 2019	8
KIN521 (4)	Orthopedic Assessment of Lower Extremity Injuries	Winter 2017, Fall 2018	8, 8
KIN569 (3)	Evidence-Based Practice	Springs 2017, 2018, 2019	8, 10, 8
KIN585 (4)	Upper Extremity Therapeutic Exercise (team taught with Emily Norcross)	Winter 2018	8

**PUBLIC SERVICE**

First Aid/CPR/AED and CPR-Professional Rescuer/HealthCare Provider Instructor  
 American Red Cross 2002-2006; American Heart Association 2006-2016.  
 Certified over 45 people per year in UGA Sports Medicine and Kinesiology Department

**OTHER SERVICE****College**

01/2018-06/2018 College of Public Health and Human Sciences Pre-Therapy and Allied Health Club Advisor  
 04/2014-10/2014 College of Education Innovation in Teaching Committee Member  
 08/2012-05/2015 College of Education Research Conference Committee Member  
 08/2008-05/2009 College of Education Curriculum Committee Chair  
 04/2008 College of Education Staff Award for Excellence Committee Member  
 08/2007-05/2008 College of Education Curriculum Committee Member

**Departmental**

04/2017-06/2017 Kinesiology Faculty Search Committee Member  
 11/2015-03/2016 Chair, Athletic Training Faculty Search Committee  
 01/2014-04/2014 Member, Exercise Physiology Faculty Search Committee  
 10/2012-05/2013 Chair, Athletic Training/Biomechanics Faculty Search Committee  
 06/2011-08/2016 Program Director Athletic Training Program  
 03/2007-04/2014 Department of Kinesiology, Undergraduate and Graduate Student Awards Committee Member (Soule, Kindig, or Jewett Awards) 6 Cycles

04/2011 Department of Kinesiology Instructor 3<sup>rd</sup> Year Review Committee  
 01/2010-06/2010 Athletic Training Education Program Interim Program Director  
 12/2008 Department of Kinesiology Outstanding Teaching Assistant Committee  
 09/2007-02/2008 Athletic Training Education Program Faculty Search Committee  
 08/2006-05/2011 Clinical Coordinator, UGA Athletic Training Education Program  
 Responsible for supervision, evaluations, and site visits of undergraduate students' clinical experiences  
 08/2006-08/2016 Preceptor Trainer (formerly Clinical Instructor Educator) CAATE  
 Accredited Undergraduate Athletic Training Program: University of Georgia

### **Professional**

06/2019-present NATA Educational Resources Committee, Member  
 02/2019-04/2019 Independent Monitoring Committee Member, NIH National Center for Complimentary and Integrative Health, R21 RCT Protocol  
 04/2018-12/2018 University College of Dublin External Dissertation Examiner  
 02/2016-03/2016 External Dissertation Reviewer: University of Sydney  
 12/2014-06/2019 NATA National Convention Program Committee Member – Best Practices Forum Coordinator,  
 Liaison to Free Communications Committee, Reviewer and Scheduling  
 09/2014-present External Promotion and Tenure Reviewer – completed 5 dossier reviews  
 01/2014 Invited Reviewer – Content Expert: ankle instability. University of Wisconsin – Milwaukee SEED grant program.  
 11/2011-12/2012 Student Southeast Athletic Trainers' Association Annual Meeting Abstract Reviewer  
 07/2009-present National Athletic Trainers' Association Convention Program Committee  
 Annual Meeting Proposal Reviewer  
 02/2009-present National Athletic Trainers' Association Research and Education Foundation Grant Reviewer  
 02/2008-6/2013 Southeastern Athletic Trainers' Association Research and Education Foundation Co-Chair. Administer and review grant applications, abstracts, and educational and research programming at regional conference  
 10/2008 Invited Reviewer Susan P. Baker Student Paper Competition  
 UNC-Chapel Hill Injury Prevention Research Center  
 06/2001-present Moderator, National Athletic Trainers' Association Annual Meeting  
 17 Research abstract presentations, workshops, and minicourses