

Faculty Curriculum Vitae

Date of Preparation: 9/2007

Personal Information

Ross, Scott E.

U.S. Citizen

Office Address:

Virginia Commonwealth University
Department of Exercise Science
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Licensure and Certification

- | | |
|---|-----------|
| -Commonwealth of Virginia, Department of Health Professions,
Board of Medicine
(License number: 0126000909) | 2005-2007 |
| -National Athletic Trainers' Association Board of Certification
(Certification number: 099802392) | 1998-2007 |
| -North Carolina Board of Athletic Trainer Examiners
(License number: 0399) | 1998-2004 |

Education

University of North Carolina-Chapel Hill, North Carolina 2003

- PhD, Human Movement Science
- Dissertation: Characterization of postural stability between individuals with functionally stable and unstable ankles using static and dynamic force plate measures.

University of North Carolina-Chapel Hill, North Carolina 2000

- MA, Exercise Science/Athletic Training
- Thesis: Effect of lower limb dominance on dynamic postural stability.

University of Pittsburgh-Pittsburgh, Pennsylvania 1997

- BS, Exercise Science/Athletic Training
- Magnum Cum Laude

Academic Appointments and other Significant Work Experience

Virginia Commonwealth University-Richmond, VA 2003-2007

Assistant Professor

- Undergraduate Appointment
- Graduate Appointment

Description of Position and Duties (Full Time):

-Director

Undergraduate Athletic Training Education (Accredited by The Commission on Accreditation of Athletic Training Education) 2006-2007

Entry-level Graduate Athletic Training Education 2006-2007

Undergraduate Athletic Training Education (Accredited by The Commission on Accreditation of Allied Health Education Programs) 2004-2006

-Educator

Undergraduate:

Fall and Spring Courses

-Therapeutic Rehabilitation-HPEX 322 2004-2006

-Therapeutic Rehabilitation Laboratory-HPEZ 322L 2004-2006

-Therapeutic Modalities-HPEX 324 2003-2005

-Clinical Experience in Athletic Training-HPEX 396 2004

-Clinical Experience in Athletic Training-HPEX 395 2003

-Therapeutic Modalities Laboratory-HPEZ 322L 2003

Summer Courses

-Health and Fitness-HPEX 391 2006-2006

-Physical Conditioning and Training-HPEX 391 2006-2007

-Therapy for Athletic Injuries-HPEX 391 2006-2007

-Strength, Conditioning, and Flexibility-HPEX 200 2004-2005

-Sport Fitness-HPEX 291 2004-2005

Graduate:

Fall and Spring Courses

-Introduction to Biomechanics-HEMS 611 2004-2007

-Therapeutic Modalities-ATTR 646 2006-2007

-Therapeutic Exercise-ATTR 641 2007

-Researcher, Sports Medicine Research Laboratory 2003-2007

University of North Carolina-Chapel Hill, NC 2000-2003

Instructor

-Undergraduate

-Graduate (Teaching Assistant)

Description of Position and Duties (Part Time):

-Educator

Instructor:

Fall, Spring, Summer Courses

-Therapeutic Rehabilitation-EXSS 068 2003

-Athletic Training Seminar-EXSS 069 2003

-Athletic Training Clinical-EXSS 071 2003

-Cadaver Anatomy-EXSS 075L	2002-2003
-Human Anatomy-EXSS 075	2001-2002
-Emergency Care, First Aid/CPR-EXSS 088	2001-2002
-Personal Health-EXSS 041	2001

Teaching Assistant:

Fall and Spring Courses

-Evaluation of Athletic Injuries-EXSS 066	2003
-Graduate Cadaver Anatomy-EXSS 232	2001

-Researcher, Sports Medicine Research Laboratory	2000-2003
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Clinical Work Experience

Athletic Trainer

- Head Athletic Trainer for The University of North Carolina (Chapel Hill) Baseball Team	2000-2002
-Graduate Assistant Athletic Trainer for The University of North Carolina (Chapel Hill) Men's Lacrosse Team	1998-2000

Personal Strength Trainer

-Gold's Gym, Pittsburgh, PA	1998
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Areas of Special Interest Within Discipline or Profession

- Postural Stability
 - Effects of functional ankle instability on static and dynamic postural stability.
- Rehabilitation
 - Effects of rehabilitation of functional ankle instability.
- Stochastic Resonance Stimulation
 - Effects of stochastic resonance stimulation on functional ankle instability.

Membership in Organizations and Societies

Professional

- National Athletic Trainers' Association (membership number: 960526) 1996-2007
- Mid-Atlantic Athletic Trainers' Association 1998-2007
- Virginia Athletic Trainers' Association 2003-2007
- North Carolina Athletic Trainers' Association 1998-2004
- American College of Sports Medicine (membership number: 618972) 2006-2007
- Southeast American College of Sports Medicine 2004-2007

School

- Faculty Organization (Treasurer) 2006-2007
- Faculty Organization 2003-2007

Special Awards, Fellowships, and Other Honors

- Candidate for 2008 National Athletic Trainers' Association Foundation Young Investigator Award. 2007
- Candidate for 2007 National Athletic Trainers' Association Foundation Young Investigator Award. (Not Awarded) 2007
- Second runner-up for the Journal of Athletic Training Kenneth L. Knight Award for the Outstanding Research Manuscript: Guskiewicz KM, **Ross SE**, Marshall S. Investigation of balance and cognition following concussion in collegiate athletes. *Journal of Athletic Training*. 2001; 36: 263-273. 2001
- University of North Carolina Merit Scholarship in Athletic Training University of North Carolina at Chapel Hill. 1998
- National Athletic Trainers' Association Post-Graduate Athletic Training Scholarship for Outstanding Achievement (Presented by Swede-O, Inc.) 1998
- Tim Kerin Memorial Scholarship (University of Pittsburgh) 1997

Major Committees

Department

-Admission Committee for PhD Students in Rehabilitation and Movement Sciences. (Member/Standing)	2007
-Health and Human Performance Web Page Contact (Member/Ad hoc)	2006-2007
-Self-study Committee for Entry-Level Master of Science in Athletic Training (Member/Ad Hoc)	2006-2007
-Program Proposal Committee for an Entry-Level Master of Science in Athletic Training (Member/Ad Hoc)	2005-2007
-Athletic Training Admissions Committee (Chair/Standing)	2004-2007
-Athletic Training Program Review Committee (Chair/Standing)	2004-2007
-Athletic Training Program Audit Review Committee (Chair/Ad Hoc)	2006
-Exercise Science Department Chair Search Committee (Member/Ad Hoc)	2005-2006
-Department of Exercise Science Web Page Committee (Chair/Ad Hoc)	2004-2005
-Search Committee for Athletic Training Collateral Faculty Position (Member/Ad Hoc)	2004-2005
-Search Committee for Athletic Training Medical Director (Chair/Ad Hoc)	2004-2005
-Advisement Contract Revision Committee (Chair/Ad hoc)	2003-2004

School

-Assessment Committee (Member/Standing)	2007
-Assessment Committee	2006-2007

(Chair/Standing)

-Research and Professional Development Committee
(Co-Chair/Standing) 2006-2007

-Research and Professional Development Committee
(Member/Standing) 2005-2006

-School of Education Program Review-Department of Exercise
Science, Athletic Training 2004-2005
(Member/Ad Hoc)

-School of Education web page committee 2003-2004
(Member/Ad Hoc)

University

-University Council 2006-2007
(Member/Standing)

-University Council Student Affairs 2006-2007
(Member/Standing)

-University Graduate Council 2004-2006
(Member/Standing)

-University Graduate Council Policies and Procedure Committee 2004-2006
(Member/Standing)

Regional

-Mid-Atlantic Sports Medicine Research Consortium. Richmond,
VA. January 26, 2007. 2007
(Co-director)

National

-National Athletic Trainers' Association Convention Planning
Committee, Research Forum and Special Interest Groups 2006
(Finalist for position: Position was not awarded. 11/04/2006)

Other Significant Professional Experience

Doctoral Student Advisee

-Shelley Linens 2006-2007

Master Student Advisees

- Raquel Martin 2005-2007
- Matthew Phillips 2005-2006

Dissertation Committees

Virginia Commonwealth University

- de la Motte S, Arnold BL, **Ross SE**, Pidcoe PE, Eriksen J, Baue DF. 2007
Functional Ankle Instability and Dynamic Balance.
(Member)
- Burnet EN, Pidcoe PE, Arnold BL, **Ross SE**, Ericksen JJ. Frontal 2006-2007
plane pelvic drops in runners: causes and clinical implications
(Member)
- Cocke BL, Arnold BL, Taylor KF, **Ross SE**, Michener LA, Wehman 2006-2007
PB. Interventions for improving balance in the elderly.
(Member)

Theses

Virginia Commonwealth University

- Martin RE, **Ross SE**, Arnold BL, Freedman AD. Effects of ankle 2005-2007
braces on dynamic postural stability of healthy subjects.
(Advisor)
- Phillips RM, **Ross SE**, Arnold BL, Freedman AD. Effects of spat 2005-2006
tape on static postural stability of healthy subjects.
(Advisor)

Old Dominion University

- Mitchell J, Onate JA, Van Lunen B, **Ross SE**, Arnold BL. Clinical 2005-2006
and laboratory measures of postural stability during static and
dynamic testing between stable and unstable ankles.
(Member)

University of North Carolina-Chapel Hill

- Culp MT, Guskiewicz KM, Prentice WE, **Ross SE**. The effect of 2003

prophylactic knee bracing and fatigue on joint position sense of the uninjured knee in a closed kinetic chain.

(Member)

-Michell TB, Guskiewicz KM, **Ross SE**, Hirth CJ, Petschauer M, Prentice WE, Blackburn JT. The effect of training in exercise shoes on time to stabilization and postural stability in subjects with functional ankle instability. 2003

(Advisor)

-Wilderman DR, Padua DA, Shields EW, **Ross SE**. Analysis of amplitude, onset time, and co-activation ratio of the quadriceps and hamstrings in agility trained basketball players. 2003

(Member)

-Booth E, Guskiewicz KM, Petschauer M, Padua DA, **Ross SE**. Does quadriceps avoidance gait occur in patients with isolated meniscal injuries as compared to ACL deficient patients? 2002

(Member)

-Brown CN, Guskiewicz KM, **Ross SE**, Mynark RG. Joint position sense, time to stabilization and electromyography of the ankle in individuals with functionally unstable ankles. 2002

(Member)

-Flemming RW, Mynark RG, Padua DA, **Ross SE**. The effects of dynamic and traditional power bench press training programs on the time to complete the concentric phase of a bench press and electromyography of the pectoralis major during concentric phase of a bench press. 2002

(Advisor)

-Santangelo DM, Guskiewicz KM, Prentice WE, Onate JA, **Ross SE**. Effect of postural control training on static and dynamic stability in healthy subjects. 2002

(Member)

-Mancuso JJ, Guskiewicz KM, Onate JA, **Ross SE**. An investigation of the learning effect for the balance error scoring system and its clinical implications. 2001

(Member)

Professional Development

Conferences

International

- 3rd *International Ankle Symposium*. September 1-3, 2006. University College Dublin, Ireland. 2006
- Sports Rehab & Education, Pain to Performance: A One-Day Foot and Ankle Symposium*. May 6, 2006. London, England. 2006
- Sports Rehab & Education, Return to Fitness 2005: A One-Day Sports Medicine Symposium*. November 20, 2005. Glasgow, Scotland. 2005
- 2nd *International Ankle Symposium*. University of Delaware, USA. October 15-16, 2004. 2004

National

- National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 27-June 30, 2007. Anaheim, CA. 2007
- National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 14-18, 2006. Atlanta, GA. 2006
- American College of Sports Medicine 53rd Annual Meeting*. May 31-June 3, 2006. Denver, CO. 2006
- National Athletic Trainers' Association 56th Annual Meeting and Clinical Symposia*. June 12-16, 2005. Indianapolis, IN. 2005
- National Athletic Trainers' Association 55th Annual Meeting and Clinical Symposia*. June 15-19, 2004. Baltimore, MD. 2004
- American College of Sports Medicine 51st Annual Meeting*. June 2-5, 2004. Indianapolis, IN. 2004
- National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposia*. June 24-28, 2003. St. Louis, MO. 2003
- American College of Sports Medicine 50th Annual Meeting*. May 28-31, 2003. San Francisco, CA. 2003
- National Athletic Trainers' Association 53rd Annual Meeting and Clinical Symposia*. June 14-June 18, 2002. Dallas, TX. 2002
- American College of Sports Medicine 49th Annual Meeting*. May 28-June 1, 2002. St. Louis, MO. 2002

-*National Athletic Trainers' Association 52nd Annual Meeting and Clinical Symposia*. June 19-23, 2001. Los Angeles, CA. 2001

-*American College of Sports Medicine 48th Annual Meeting*. May 30-June 2, 2001. Baltimore, MD. 2001

-*National Athletic Trainers' Association 51st Annual Meeting and Clinical Symposia*. June 28-July 2, 2000. Nashville, TN. 2000

-*National Athletic Trainers' Association 50th Annual Meeting and Clinical Symposia*. June 16-19, 1999. Kansas City, MO. 1999

-*National Athletic Trainers' Association 49th Annual Meeting and Clinical Symposia*. June 17-20, 1998. Baltimore, MD. 1998

Regional

-*Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 18-20, 2007. 2007

-*Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 20-22, 2005. 2005

-*American College of Sports Medicine, Southeast Regional Chapter*. January 27-29, 2005. Charlotte, NC. 2005

-*American College of Sports Medicine, SouthEast Regional Chapter 32nd Annual Meeting*. January 29-31, 2004. Atlanta, GA. 2004

-*Mid-Atlantic Athletic Trainers' Association Annual Meeting & Symposium*. Greenville, SC. May 2001. 2001

State

-*Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 19-21, 2007. Charlottesville, VA. 2007

-*Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 13-15, 2006. Williamsburg, VA. 2006

-*Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*, January 14-15, 2005. Williamsburg, VA. 2005

-*Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*, January 9-11, 2004. Williamsburg, VA. 2004

Local

- 2nd Annual Central Virginia Spine Symposium: Medical Management and Interventional Treatment of the Osteoporotic Spine and Pelvis.* June 8, 2007. Richmond, VA. 2007
- Lower Extremity Joint Stability: Current Research Trends & Clinical Applications.* February 2003. Chapel Hill, NC. 2003
- University of North Carolina at Chapel Hill Sports Medicine Conference.* January 2002. Chapel Hill, NC. 2002
- University of North Carolina Sports Medicine Conference.* January 2001. Chapel Hill, NC. 2001

Workshops

- School of Education Research and Professional Development Committee. "Writing a Competitive Grant Proposal." March 23, 2007. (Director/Attendee) 2007
- VCU Office of Research. "Introduction to National Science Foundation Funding Opportunities." March 13, 2007. 2007
- School of Education Research and Professional Development Committee. "Research Funding Opportunities." March 2, 2007. (Director/Attendee) 2007
- VCU Office of Research. "Electronic NIH Grant Submission Workshop." November 27, 2006 2006
- VCU Office of Research. "Electronic Grant Submission GENIUS Profile Workshop." November 14, 2006. 2006
- National Instruments. "Learn LabVIEW in Six Hours!" September 26, 2006. 2006
- Centers for Teaching Excellence. "Developing Blackboard E-Portfolio." February 17, 2006. 2006
- Manuscript Reviewers' Workshop. *National Athletic Trainers' Association 56th Annual Meeting and Clinical Symposia.* June 15, 2005. Indianapolis, IN. 2005
- Center for Teaching Excellence VITAL Workshop. "Teaching with 2005

- Low-Threshold Technology.” March 9, 2005.
- Center for Teaching Excellence Junior Faculty Workshop. “CTE-Mentorship Luncheon.” January 13, 2005. 2005
 - Center for Teaching Excellence VITAL Workshop. “Teaching with Blackboard.” November 18, 2004. 2004
 - Office of Education and Compliance Oversight; Office of Research Subjects Protection. “Conducting Ethical Human Subjects Research in Education.” August 16, 2004. 2004
 - Instructional Development Center. “Introduction to Blackboard 6.1.” August 16, 2004. 2004
 - Manuscript Reviewers’ Workshop. *National Athletic Trainers’ Association 55th Annual Meeting and Clinical Symposia*. June 15, 2004. Baltimore, MD. 2004
 - VITAL Workshop. “Creating tests and writing test questions.” April 14, 2004. 2004
 - VITAL Workshop. “Infusing cooperative learning into you courses.” March 24, 2004. 2004
 - Junior Faculty Workshop. “Obtaining external funding.” March 9, 2004. 2004
 - VITAL Workshop. “Developing critical thinking skills in students.” February 18, 2004. 2004
 - Junior Faculty Workshop. “Special issues: Women and minority faculty.” February 16, 2004. 2004
 - Junior Faculty Workshop. “Writing for publication workshop.” December 17, 2003. 2003
 - Junior Faculty Workshop. “Student engagement.” November 13, 2003. 2003
 - VITAL Workshop. “You know what you taught, but what did they learn? November 12, 2003. 2003
 - Junior Faculty Workshop. “Hands-on experience working with blackboard.” October 24, 2003. 2003

-Junior Faculty Workshop. "Creating at teaching portfolio."
September 26, 2003. 2003

Software Evaluation and Learning

Software

-Software VHI PC-Kits, Rehabilitation software. 2005

-LabVIEW 7.1 2005

Books Read

-LabVIEW 7.1. Learning with LabVIEW 7 Express. Developing G-programming skills for biomechanical analyses. 2004

Significant Community Service

National

Reviewer for Refereed Journals

-Journal of Athletic Training 2002-2007

-Medicine and Science in Sport and Exercise 2007

-IEEE Transaction on Biomedical Engineering 2006-2007

-Sports Medicine 2007

-Clinical Neurophysiology 2005-2006

-International Journal of Sports Medicine 2005-2006

-Journal of Sport Rehabilitation 2006

-British Journal of Sports Medicine 2005

-Journal of Sports Medicine 2005

Host Athletic Trainer for The National Athletic Trainers' Association Board of Certification Examination

-Richmond, VA-November 19 2006

- Richmond, VA-August 6 2006
- Richmond, VA-April 2 2006
- Richmond, VA-August 7 2005
- Richmond, VA-April 10 2005
- Richmond, VA-April 11 2004

Moderator

- Oral Free Communications Session: Postural Control. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 27-30, 2007. Anaheim, CA. 2007
- Minicourse M: Anabolic Ergogenics-Testosterone to THG. Robert Kersey, PhD, ATC, CSC. *National Athletic Trainers' Association 55th Annual Meeting and Clinical Symposia*. June 15-19, 2004. Baltimore, MD. 2004

Regional/State

Graduate Student Recruitment

- Old Dominion Foot & Ankle Symposium*. February 3, 2007. 2007
- American College of Sports Medicine, Southeast Regional Chapter 33rd Annual Meeting*. January 27-29, 2005. 2005
- American College of Sports Medicine, SouthEast Regional Chapter 32nd Annual Meeting*. January 29-31, 2004. 2004

Moderator

- Athletic care/trauma session. *American College of Sports Medicine, SouthEast Regional Chapter 32nd Annual Meeting*. January 29-31, 2004. 2004

Bibliography

Refereed Published Manuscripts

International

- Ross SE**. Noise-enhanced postural stability in subjects with 2007

functional ankle instability. *British Journal of Sports Medicine*.
(EPub-Ahead of Publication on BJSM Online First; In Press)
Impact factor: 2.223

-**Ross SE**, Guskiewicz KM. Effect of coordination training with and without stochastic resonance on dynamic postural stability of subjects with functional ankle instability and subjects with stable ankles. *Clinical Journal of Sport Medicine*. 2006; 16:323-328.
Impact factor: 1.672

-**Ross SE**, Guskiewicz KM. Examination of static and dynamic postural stability in individuals with functionally stable and unstable ankles. *Clinical Journal of Sport Medicine*. 2004; 14:332-338.
Impact factor: 1.672

National

-Michell TB, **Ross SE***, Blackburn JT, Hirth CJ, Guskiewicz KM. Effects of exercise training with and without exercise sandals on static postural stability. *Journal of Athletic Training*. 2006; 41:393-398. *Corresponding author
Impact factor: 1.699

-**Ross SE**, Guskiewicz KM, Yu B. Effects of functional ankle instability on single leg jump landing stabilization times. *Journal of Athletic Training*. 2005; 40:298-304.
Impact factor: 1.699

-**Ross SE**, Guskiewicz KM, Prentice WE, Schneider RA, Yu B. Comparisons of biomechanical factors between the kicking and stance limbs. *Journal of Sport Rehabilitation*. 2004; 13:135-150.
Impact factor: 0.566

-Brown CN, **Ross SE**, Guskiewicz KM, Mynark RG. Assessment of functional ankle instability using joint position sense, time to stabilization, and electromyography. *Journal of Sport Rehabilitation*. 2004; 13:122-134.
Impact factor: 0.566

-**Ross SE**, Guskiewicz KM. Time to stabilization: A method for analyzing dynamic postural stability. *Athletic Therapy Today*. 2003; 8:37-39.
Impact factor: 0.168

-Guskiewicz KM, **Ross SE**, Marshall S. Investigation of balance and cognition following concussion in collegiate athletes. *Journal of*

Athletic Training. 2001; 36:263-273.

Impact factor: 1.699

Refereed Published Education Commentaries

-Gayle RC, **Ross SE**, Freedman AD. Muscle Names: “Why a Duck?”: Unfamiliar sounds, unusual spellings, and antiquated rules often make human muscle names difficult to pronounce. *The American Biology Teacher*. 2007; 69:74. 2007

Refereed Manuscripts In Press

-**Ross SE**, Guskiewicz KM, Gross MT, Yu B. Assessment tools for identifying functional limitations associated with functional ankle instability. *Journal of Athletic Training*. (In Press) 2007

-**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: an experimental trial. *Journal of Neuroengineering and Rehabilitation*. (In Press) 2007

-Freedman AD, **Ross SE**, Gayle RC. The pectineus muscle: Potential that may lead to confusion in athletic training education. *The American Biology Teacher*. (In Press) 2007

Refereed Manuscripts In Review

-Wilderman DR, **Ross SE***, Padua DA. Analysis of thigh muscle EMG and knee joint kinematics during a side-step pivot maneuver in agility-trained female basketball players. *Journal of Athletic Training*. 2007

Manuscripts In Preparation

-**Ross SE**. Sensitivity of single leg balance force plate measures for identifying functional ankle instability. 2007

-Arnold BL, de la Motte SJ, Linens SW, **Ross SE**. Selected subject characteristics have no effect on balance measures across functional ankle instability studies: a meta-analysis. 2007

Refereed Published Abstracts

International

- Ross SE**. Noise-enhanced postural stability in subjects with functional ankle instability. *Journal of Orthopaedic and Sports Physical Therapy*. 2006; 36:A26. 2006
- Ross SE**, Michell TB, Guskiewicz KM. Effect of coordination training with and without exercise sandals on static postural stability of individuals with functional ankle instability and individuals with stable ankles. *Journal of Orthopaedic and Sports Physical Therapy*, Ankle Symposium Supplement. 2005; 35:A22. 2005
- Brown CN, **Ross SE**, Guskiewicz KM. Comparing ankle joint ability of individuals with unilateral and bilateral chronic ankle instability using the ankle assessment questionnaire. *Journal of Orthopaedic and Sports Physical Therapy*. 2005; 35:A21. 2005
- National
- Ross SE**. Force plate measures for identifying single leg balance deficits associated with functional ankle instability. *Journal of Athletic Training*. 2007;42:S92. 2007
- Arnold BL, Linens SW, de la Motte SJ, **Ross SE**. Low-velocity isokinetic eversion strength measures do not differ between stable and functionally unstable ankles regardless of reported subject characteristics/inclusion criteria: a meta-analysis. *Journal of Athletic Training*. 2007;42:S92. 2007
- de la Motte SJ, Arnold BL, Linens SW, **Ross SE**. Selected subject characteristics have no effect on balance measures across functional ankle instability studies: a meta-analysis. *Journal of Athletic Training*. 2007;42:S93. 2007
- Ross SE**. A classification equation for identifying functional ankle instability. *Journal of Athletic Training*. 2006; 41:S29-30. 2006
- Carey SN, Freedman AD, **Ross SE**. Acute lower right quadrant pain in a physically active college female. *Journal of Athletic Training*. 2006; 41:S110. 2006
- Ross SE**. Reliability and precision of dynamic assessment measures for stable and unstable ankles. *Medicine and Science in Sport and Exercise*. 2006; 38:S86. 2006
- Ross SE**, Guskiewicz KM. Effect of balance training with and without subsensory electrical stimulation on postural stability of subjects with stable ankles and subjects with functional ankle 2005

instability. *Journal of Athletic Training*. 2005; 40:S70.

-**Ross SE**, Mynark RG. The effect of stochastic resonance on the soleus H-reflex. *Medicine and Science in Sport and Exercise*. 2004; 36:S164. 2004

-Brown CN, **Ross SE**, Mynark RG, Guskiewicz KM. Measuring functional ankle instability: joint position sense, time to stabilization, and electromyography in recreational athletes. *Medicine and Science in Sport and Exercise*. 2004; 36:S168. 2004

-**Ross SE**, Guskiewicz KM. Comparing stabilizations times in individuals presenting functional ankle instability and mechanical instability. *Journal of Athletic Training*. 2004; 39:S8. 2004

-Wilderman DR, Padua DA, **Ross SE**: Effects of agility training on thigh muscle activation and knee joint kinematics during a side-step pivot maneuver in female basketball players. *Journal of Athletic Training*. 2004; 39:S28. 2004

-Culp MT, Guskiewicz KM, **Ross SE**, Prentice WE, Oliaro SM, Brown CN. Prophylactic knee bracing and local fatigue have no effect on joint position sense of the uninjured knee in a closed kinetic chain. *Journal of Athletic Training*. 2004; 39:S103. 2004

-**Ross SE**, Guskiewicz KM, Garrett WE. Comparison of various force plate measures for the assessment of functional ankle instability. *Medicine and Science in Sport and Exercise*. 2003; 35:S357. 2003

-**Ross SE**, Guskiewicz KM. Differences between ground reaction force of a static single limb stance and a single limb stance following a jump-landing. *Journal of Athletic Training*. 2003; 35:S24. 2003

-Santangelo DM, Guskiewicz KM, Prentice WE, Onate JA, **Ross SE**. Effect of postural control training on static and dynamic stability in healthy subjects. *Journal of Athletic Training*. 2003; 38:S23. 2003

-**Ross SE**, Guskiewicz KM, Yu B, Garrett WE. Landing pattern differences between functionally stable and unstable ankles. *Medicine and Science in Sport and Exercise*. 2002; 34:S5. 2002

-**Ross SE**, Guskiewicz KM, Yu B. Time to stabilization differences in functionally unstable and stable ankles. *Journal of Athletic Training*. 2002; 37:S10. 2002

- Mancuso JJ, Guskiewicz KM, Onate JA, **Ross SE**. An investigation of the learning effect for the balance error scoring system and its clinical implications. *Journal of Athletic Training*. 2002; 37:S22. 2002
- Ross SE**, Guskiewicz KM, Yu B. Comparison of time to stabilization measures in functionally unstable versus stable ankles. *Journal of Athletic Training*. 2001; 36:S76. 2001
- Ross SE**, Guskiewicz KM, Cantu RC. Balance recovery following cerebral concussion in collegiate athletes. *Medicine and Science in Sport and Exercise*. 2001; 33:S145. 2001
- Ross SE**, Guskiewicz KM, Onate JA. Symptomatology following cerebral concussion and its relationship with neuropsychological and postural stability tests. *Journal of Athletic Training*. 2000; 35: S53. 2000

Refereed Conference Abstracts

International

- Ross SE**. Noised-enhanced postural stability in subjects with functional ankle instability. *3rd International Ankle Symposium*. September 1-3, 2006. 2006
- Ross SE**, Michell TB, Guskiewicz KM. Effect of coordination training with and without exercise sandals on static postural stability of individuals with functional ankle instability and individuals with stable ankles. *2nd International Ankle Symposium*. October 15-16, 2004: 48. 2004
- Brown CN, **Ross SE**, Guskiewicz KM. Comparing ankle joint ability of individuals with unilateral and bilateral chronic ankle instability using the ankle assessment questionnaire. *2nd International Ankle Symposium*. October 15-16, 2004: 48. 2004

Regional

- Ross SE**, Arnold BL. Ankle stability confidence questionnaire score differences between stable and unstable ankles, and the relationship between symptoms of ankle instability and confidence scores. *Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 20-22, 2005. 2005
- Carey S, Freedman AD, **Ross SE**. Acute lower right quadrant pain in a physically active college female. *Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 20-22, 2005. 2005

-Arnold BL, **Ross SE**. Prevention and rehabilitation of ankle sprains. 2005
*American College of Sports Medicine, Southeast Regional Chapter
 33rd Annual Meeting*. January 27-29, 2005: 22.

-**Ross SE**, Guskiewicz KM, Harry JD, Niemi JB. Effect of 2004
 somatosensory stimulation on time to stabilization in individuals with
 functionally stable and unstable ankles. *American College of Sports
 Medicine, Southeast Regional Chapter 32nd Annual Meeting*. January
 29-31, 2004: 47.

State

-Carey SN, Freedman AD, **Ross SE**. The pectineus muscle: Potential 2006
 that may lead to confusion in athletic training education. *Virginia
 Athletic Trainers' Association Annual Symposium & Business
 Meeting*. January 13-15, 2006.

-Vaughn A, **Ross SE**, Freedman AD. The effects of thermal 2006
 heatwraps on acute low back pain. *Virginia Athletic Trainers'
 Association Annual Symposium & Business Meeting*. January 13-15,
 2006.

-Edwards SJ, **Ross SE**, Freedman AD, Arnold BL. Rehabilitation of 2005
 Achilles Tendon Ruptures. *Virginia Athletic Trainers' Association
 Annual Symposium & Business Meeting*. January 14-15, 2005.

-Scott RL, **Ross SE**, Freedman AD, Arnold BL. *Core stability* 2005
rehabilitation for weak low backs. *Virginia Athletic Trainers'
 Association Annual Symposium & Business Meeting*. January 14-15,
 2005.

Professional Presentations

Refereed Professional Presentations

International

-**Ross SE**. Noise-enhanced postural stability in subjects with 2006
 functional ankle instability. *3rd International Ankle Symposium*.
 August 31-September 3, 2006. Dublin, Ireland.

-**Ross SE**. Effect of coordination training with and without exercise 2004
 sandals on static postural stability of individuals with functional
 ankle instability and individuals with stable ankles. *2nd International
 Ankle Symposium*. October 15-16, 2004. Newark, DE.

-Brown CN, **Ross SE**. Comparing ankle joint ability of individuals with unilateral and bilateral chronic ankle instability using the ankle assessment questionnaire. *2nd International Ankle Symposium*. October 15-16, 2004. Newark, DE. 2004

National

-**Ross SE**. Force plate measures for identifying single leg balance deficits associated with functional ankle instability. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 27-30, 2007. Anaheim, CA. 2007

-Arnold BL, Linens SW, de la Motte SJ, **Ross SE**. Low-velocity isokinetic eversion strength measures do not differ between stable and functionally unstable ankles regardless of reported subject characteristics/inclusion criteria: a meta-analysis. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 27-30, 2007. Anaheim, CA. 2007

-de la Motte SJ, Arnold BL, Linens SW, **Ross SE**. Selected subject characteristics have no effect on balance measures across functional ankle instability studies: a meta-analysis. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 27-30, 2007. Anaheim, CA. 2007

-**Ross SE**. A classification equation for identifying functional ankle instability. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 14-18, 2006. Atlanta, GA. 2006

-Carey SN, Freedman AD, **Ross SE**. Acute lower right quadrant pain in a physically active college female. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 14-18, 2006. Atlanta, GA. 2006

-**Ross SE**. Reliability and precision of dynamic assessment measures for stable and unstable ankles. *American College of Sports Medicine 53rd Annual Meeting*. May 31-June 3, 2006. Denver, CO. 2006

-**Ross SE**, Guskiewicz KM. Effect of balance training with and without subsensory electrical stimulation on postural stability of subjects with stable ankles and subjects with functional ankle instability. *National Athletic Trainers' Association 56th Annual Meeting and Clinical Symposia*. June 12-16, 2005. Indianapolis, IN. 2005

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functional ankle instability and mechanical instability. *National Athletic Trainers' Association 55th Annual Meeting and Clinical Symposia*. June 15-19, 2004. Baltimore, MD.

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-Culp MT, Guskiewicz KM, **Ross SE**, Prentice WE, Oliaro SM, Brown CN. Prophylactic knee bracing and local fatigue have no effect on joint position sense of the uninjured knee in a closed kinetic chain. *National Athletic Trainers' Association 55th Annual Meeting and Clinical Symposia*. June 15-19, 2004. Baltimore, MD. 2004

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-Brown CN, **Ross SE**, Mynark RG, Guskiewicz KG. Measuring functional ankle instability: joint position sense, time to stabilization, and electromyography in recreational athletes. *Medicine and Science in Sport and Exercise*. 2004; 36:S168. 2004

-**Ross SE**. Differences between ground reaction force measures of a static single limb stance and a single limb stance following a jump-landing. *National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposia*. June 24-28, 2003. St. Louis, MO. 2003

-Santangelo DM, Guskiewicz KM, Prentice WE, Onate JA, **Ross SE**. Effect of postural control training on static and dynamic stability in healthy subjects. *National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposia*. June 24-28, 2003. St. Louis, MO. 2003

-**Ross SE**. Comparison of various force plate measures for the assessment of functional ankle instability. *American College of Sports Medicine 50th Annual Meeting*. May 28-31, 2003. San Francisco, CA. 2003

-**Ross SE**. Time to stabilization differences in functionally unstable and stable ankles. *National Athletic Trainers' Association 53rd Annual Meeting and Clinical Symposia*. June 14-June 18, 2002. Dallas, TX. 2002

-Mancuso JJ, Guskiewicz KM, Onate JA, **Ross SE**. An investigation of the learning effect for the balance error scoring system and its clinical implications. *National Athletic Trainers' Association 53rd Annual Meeting and Clinical Symposia*. June 14-June 18, 2002. Dallas, TX. 2002

-**Ross SE**. Landing pattern differences between functionally stable and unstable ankles. *American College of Sports Medicine 49th Annual Meeting*. May 28-June 1, 2002. St. Louis, MO. 2002

-**Ross SE**. Comparison of time to stabilization measures in functionally unstable versus stable ankles. *National Athletic Trainers' Association 52nd Annual Meeting and Clinical Symposia*. June 19-23, 2001. Los Angeles, CA. 2001

-**Ross SE**. Balance recovery following cerebral concussion in collegiate athletes. *American College of Sports Medicine 48th Annual Meeting*. May 30-June 2, 2001. Baltimore, MD. 2001

-**Ross SE**. Symptomatology following cerebral concussion and its relationship with neuropsychological and postural stability tests. *National Athletic Trainers' Association 51st Annual Meeting and Clinical Symposia*. June 28-July 2, 2000. Nashville, TN. 2000

Regional

-**Ross SE**, Arnold BL. Ankle stability confidence questionnaire score differences between stable and unstable ankles, and the relationship between symptoms of ankle instability and confidence scores. *Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 20-22, 2005. 2005

-Carey S, Freedman AD, **Ross SE**. Acute lower right quadrant pain in a physically active college female. *Mid-Atlantic Athletic Trainers Association Clinical Symposium*. May 20-22, 2005. 2005

-**Ross SE**. Prevention and rehabilitation of ankle sprains. *American College of Sports Medicine, Southeast Regional Chapter*. January 27-29, 2005. Charlotte, NC. 2005

-**Ross SE**. Effect of somatosensory stimulation on time to stabilization in individuals with functionally stable and unstable ankles. *American College of Sports Medicine, SouthEast Regional Chapter 32nd Annual Meeting*. January 29-31, 2004. 2004

State

- Carey S, Freedman AD, **Ross SE**. The pectineus muscle: Potential that may lead to confusion in athletic training education. *Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 13-15, 2006. 2006
- Vaughn A, **Ross SE**, Freedman AD. The effects of thermal heatwraps on acute low back pain. *Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 13-15, 2006. 2006
- Edwards SJ, **Ross SE**, Freedman AD, Arnold BL. Rehabilitation of Achilles Tendon Ruptures. *Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 14-15, 2005. 2005
- Scott RL, **Ross SE**, Freedman AD, Arnold BL. *Core stability rehabilitation for weak low backs*. *Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*. January 14-15, 2005. 2005
- Ross SE**. Balance training to improve stability. *Virginia Athletic Trainers' Association Annual Symposium & Business Meeting*, January 9-11, 2004. 2004

Non-refereed Professional Presentation

International

- Ross SE**. Therapeutic coordination training for functional ankle instability. *Sports Rehab & Education, Pain to Performance: A One-Day Foot and Ankle Symposium*. May 6, 2006. London, England. 2006
- Ross SE**. Single le jump-landing differences between stable and unstable ankles. *Sports Rehab & Education, Return to Fitness 2005: A One-Day Sports Medicine Symposium*. November 20, 2005. Glasgow, Scotland. 2005
- Ross SE**. Coordination training for functional ankle instability. *Sports Rehab & Education, Return to Fitness 2005: A One-Day Sports Medicine Symposium*. November 20, 2005. Glasgow, Scotland. 2005

National

- Ross SE**. Dynamic balance training. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 14-18, 2006

2006. Atlanta, GA.

-**Ross SE**, Docherty CL. Ankle Special Interest Group: Assessment and rehabilitation of functional ankle instability. *National Athletic Trainers' Association 57th Annual Meeting and Clinical Symposia*. June 14-18, 2006. Atlanta, GA. 2006

-**Ross SE**. Rehabilitation for functionally unstable ankles. *National Athletic Trainers' Association 56th Annual Meeting and Clinical Symposia*. June 12-16, 2005. Indianapolis, IN. 2005

-**Ross SE**, Guskiewicz KG, Blackburn JT, Brown CN. Sport Concussions, Brain Cadaver Prosection. *National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposia*. June 24-28, 2003. St. Louis, MO. 2003

-**Ross SE**. A comprehensive approach to the assessment of concussion in sport. *National Athletic Trainers' Association 52nd Annual Meeting and Clinical Symposia*. June 19-23, 2001. Los Angeles, CA. 2001

State

-**Ross SE**. Static and dynamic force plate differences between individuals with functionally unstable and stable ankles. Lower Extremity Joint Stability: Current Research Trends & Clinical Applications. *University of North Carolina at Chapel Hill*. February 2003. Chapel Hill, NC. 2003

-**Ross SE**. Alternative approaches for assessment of concussions in sport. *University of North Carolina Sport Physical Therapy Seminar*. Chapel Hill, NC. March 2002. 2002

-**Ross SE**. Core stabilization exercises. *University of North Carolina at Chapel Hill Sports Medicine Conference*. Chapel Hill, NC. January 2001. 2001

-**Ross SE**, Onate JA. Techniques for objective concussion assessment. *Mid-Atlantic Athletic Trainers' Association Annual Meeting & Symposium*. Greenville, SC. May 2001. 2001

-**Ross SE**. Balance assessment following sports related concussions. *University of North Carolina Sports Medicine Conference*. Chapel Hill, NC. January 2001. 2001

-**Ross SE**. Concussion Prevention Initiative: Alternative approaches 2000

for assessment of concussions in sport. Greenville Hospital Athletic Training Symposium. Greenville, SC. July 2000.

Invited Lectures

- Ross SE.** Detecting a treatment effect associated with stochastic resonance stimulation. Statistical seminar for doctoral students- University of North Carolina. Chapel Hill, NC. March 26, 2007. 2007
- Ross SE.** Evaluation and pathology of the ankle. Old Dominion University Ankle & Foot Symposium. Norfolk, VA. February 3, 2007. 2007
- Ross SE.** Evaluation and rehabilitation of functional ankle instability. University of Virginia Sports Medicine Seminar. Charlottesville, VA. April 13, 2006. 2006
- Ross SE.** Time to Stabilization Measurement: Research and Clinical Considerations. Old Dominion University Sports Medicine Research Laboratory's guest lecture series. Norfolk, VA. April 21, 2005. 2005

Consultant

- Consultant. † Jump ACL (Joint Undertaking to Monitor and Prevent ACL Injury). Study funded by: 2004-2007
 - American Orthopedic Society for Sports Medicine.
 - The National Institute of Arthritis Musculoskeletal, and Skin Disorders, National Institutes of Health. "Epidemiology of Jump-Landing Movements and ACL Injury." Marshall SW, Padua D, Guskiewicz KM, Yu B, et al.
 - Consultant. † Lower extremity Assessment Protocol for Collegiate Athletes: NCAA LEAP. Study funded by: 2004-2005
 - The National Institute of Arthritis Musculoskeletal, and Skin Disorders, National Institutes of Health. "Epidemiology of Jump-Landing Movements and ACL Injury." Marshall SW, Padua D, Guskiewicz KM, Yu B, et al.
- † Consultant for ankle injury and ankle biomechanics.

Grants and Contracts

- Principle Investigator, \$137,933 with The National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health. "Enhanced balance and sensorimotor function with stochastic 2007

resonance stimulation.” **Ross SE**, Arnold BL. (Submitted: June 2007).

-Principle Investigator, \$10,000 with the Virginia Commonwealth University-School of Education Research Initiation Award. “Noise-enhanced sensorimotor function in subjects with or without functional ankle instability.” **Ross SE**, Arnold BL. (Awarded: May 2007) 2007

-Co-investigator, \$39,884 with The Virginia Commonwealth University, The Virginia Center on Aging-Alzheimer’s & Related Diseases Research Award Fund. “Effects of chronic and acute stress on Th-1/Th-2 cytokine balance in family caregivers of dementia patients.” Acevedo EO, Taylor K, Ross SE (Submitted: April 2007-No funding awarded). 2007

-Co-investigator, \$137,190 with The National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health. “Lower extremity Assessment Protocol for Collegiate Athletes: NCAA LEAP.” Onate JA, Hertel J, Van Lunen B, Marshall S, Padua D, Kramer L, **Ross SE**, Arnold BL. (Awarded: July 2006). 2006

-Principle Investigator, \$122,652 with The National Athletic Trainers’ Association-Research and Education Foundation. “Effects of vibrating ankle wraps on time-to-stabilization of subjects with functional ankle instability.” **Ross SE**, Arnold BL. (Submitted: February 2006-No funding awarded). 2006

-Co-investigator, \$184,700 with The National Athletic Trainers’ Association-Research and Education Foundation. “Lower extremity assessment program for collegiate athletes: NCAA LEAP.” Onate JA, Hertel J, Van Lunen B, Marshall S, Padua D, Kramer L, **Ross SE**, Arnold BL. (Submitted: February 2006-No funding awarded). 2006

-Principle Investigator, \$ 2,000 with The Mid-Atlantic Athletic Trainers’ Association District III Research and Grant Committee. “Effect of ankle support on single leg balance of stable and unstable ankles.” **Ross SE**, Arnold BL, Linens SN, de la Motte S. (Partial Funding Awarded for \$1,000: November 2006). 2006

-Principle Investigator, \$ 2,000 with The Mid-Atlantic Athletic Trainers’ Association District III Research and Grant Committee. “Effect of textured insoles on single leg balance of subjects with functional ankle instability.” **Ross SE**, Arnold BL, Linens SN, de la Motte S. (Partial Funding Awarded for \$900: November 2006). 2006

-Co-Investigator (Faculty Advisor), \$ 1,000 with The National Athletic Trainers’ Association Research and Education Foundation. “Effects of 2006

ankle support on single leg balance in subjects with stable ankles.”
Martin RE, **Ross SE**, Arnold BL, Linens SN. (Submitted: October
2006-No funding awarded).

-Principle Investigator, \$ 2,480 with The University of North Carolina
Injury Prevention Research Center. “A comparison between static and
dynamic postural stability in functionally stable and unstable ankles.”
Ross SE. (Awarded: March 2002). 2002

-Principle Investigator, \$ 2,480 with The National Athletic Trainers’
Association-Research and Education Foundation. “A comparison
between static and dynamic postural stability in functionally stable and
unstable ankles.” **Ross SE**. (Awarded: March 2002). 2002

-Principle Investigator, \$500 with The University of North Carolina
Graduate Student Thesis Smith Grant. **Ross SE**. (Awarded: 1999). 1999