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EDUCATION

University of Virginia	May 1999
<i>Doctor of Philosophy: Sports Medicine</i>	
<i>Dissertation Title: Neuromuscular Response Characteristics in Males and Females Following Knee Perturbation</i>	
University of Arizona	July 1985
<i>Master of Science: Exercise and Sport Sciences</i>	
California State University, Fullerton	January 1984
<i>Bachelor of Science: Physical Education; Athletic Training Emphasis</i>	

CERTIFICATIONS & LICENSURE

Certified Athletic Trainer	1984 - Present
<i>National Athletic Trainers' Association - Certification # 08-462</i>	
<i>Commonwealth of Virginia, Board of Medicine - Certification # 0126000035</i>	
<i>North Carolina Board of Athletic Trainer Examiners – License #0914</i>	
Certified Strength and Conditioning Specialist	1989 - Present
<i>National Strength and Conditioning Association - Certification # 89329</i>	
<i>June 1989</i>	

PROFESSIONAL POSITIONS

University of North Carolina at Greensboro	August 2002 - Present
<i>Professor (2011-Present)</i>	
<i>Associate Professor (2005-2011)</i>	
<i>Assistant Professor (2002-2005)</i>	
<i>Director of Graduate Study, Department of Exercise and Sport Science (2005-2011)</i>	
<i>Director, Graduate Programs in Sports Medicine (2002-Present)</i>	
<i>Co-Director, Applied Neuromechanics Research Laboratory (2002-Present)</i>	
Tenure track faculty appointment participating in research endeavors and academic programs, in the Sports Medicine and Athletic Training specializations, in the department of Exercise and Sport Sciences. Responsibilities include: Program Direction of the Entry-Level Graduate Athletic Training Education Program (2002-04) and the Doctoral Program in Sports Medicine; classroom instruction at the graduate level in qualified areas; advising and mentoring of graduate students on research projects and program of study by chairing and serving on master's theses, doctoral program and dissertation committees; assist in direction and supervision of the Applied Neuromechanics Research Laboratory; and pursuing external funding and collaboration with other faculty members to support both individual and laboratory research agendas.	
University of North Carolina at Chapel Hill	September 2003 – Present
<i>Adjunct Assistant Professor</i>	
<i>July 2002 - Present</i>	
Participating on masters thesis and doctoral dissertation committees in the Sports Medicine and Athletic Training specialization.	

University of Virginia**June 1998 – 2003*****Adjunct Assistant Professor****July 2002 – August 2003*

Adjunct faculty appointment to complete ongoing academic advising and research endeavors in the Sports Medicine and Athletic Training Specialization.

Assistant Professor*June 2000 – July 2002****Interim Coordinator, Graduate Programs in Athletic Training and Sports Medicine****July 2001 – July 2002****Director, Strength and Balance Laboratory, General Clinical Research Center****September 2001 – July 2002*

Faculty appointment participating in research endeavors and academic programs in the Sports Medicine and Athletic Training Specialization. Responsibilities included: coordinator of NATA Accredited Graduate Program in Athletic Training (2001-02); classroom instruction at both graduate and undergraduate levels in qualified areas; advising and mentoring graduate students on research projects and program of study by chairing and serving on master's theses, doctoral program and dissertation committees; direction and supervision of the Sports Medicine and Athletic Training Research Laboratory; and pursuing external funding and collaboration with other faculty members to support both individual and sports medicine laboratory research agendas.

Research Associate*June 1999 - June 2000*

Responsibilities included teaching graduate and undergraduate courses in the Sports Medicine and Athletic Training program areas, serving on doctoral dissertation and master's thesis committees, grant writing, daily operation and maintenance of the Sports Medicine / Athletic Training Research Laboratory, and assisting with on going research projects.

Graduate Research Assistant*June 1998 - May 1999*

Responsible for daily operation and maintenance of the Sports Medicine / Athletic Training Research Laboratory. Assist faculty members, doctoral and master's students with on going research projects.

Blue Ridge School, Virginia**August 1996 - June 1998*****Head Athletic Trainer***

Responsible for care, prevention, treatment and rehabilitation of athletic injuries for all athletic teams. Consulting with coaches on sport specific conditioning programs. Responsible for budget and ordering.

University of California, Los Angeles**September 1991 - September 1996*****Associate Director of Athletic Training and Rehabilitative Services******Head Athletic Trainer: Women's Intercollegiate Athletics***

Responsible for coordinating medical care for NCAA Division I women's intercollegiate athletic teams including pre-season screening, prevention, treatment and rehabilitation. Primary Coverage of Women's Basketball, Volleyball, Softball and M & W Cross Country. Assisted with Football. Director UCLA Student Athletic Training Internship Program. Other administrative responsibilities included staff scheduling, budget and ordering, coordination of NCAA regional and national tournaments and championship events.

TRACC Sports Medicine, Inc.**July 1985 - September 1991*****Assistant Director***

A combined physical therapy and conditioning center. Experienced in working with physical therapy patients, general population, recreational athletes, junior national athletes, elite and professional athletes. Responsible for consultation and development of rehabilitation, conditioning and sport specific training programs for clients of all ages. Provided treatment to aid in injury rehabilitation to physical therapy clients. Provided athletic training services and coverage for sponsored and contracted athletic events. Administrative responsibilities included direction and scheduling of staff, specialty programs administration, facility promotions, equipment ordering and maintenance, development of staff policies and procedures.

SCHOLARSHIP**Grants and Contracts Awarded****UNCG School of HHP Office of Research
Summer Scholarship Award****Summer 2011**S.J. Shultz; Principal InvestigatorAim: To develop a manuscript on the relationships between serum sex hormones, serum collagen markers and anterior knee joint laxity.**NFL Charities Grant****2010-2011**

“The Effects of Exercise Induced Increases in Knee Laxity on Knee Joint Biomechanics”

S.J. Shultz; Principal Investigator (10% Effort); University of North Carolina at Greensboro; \$125,000Aim: To characterize the effects of exercise induced increases in knee laxity on weight bearing knee joint biomechanics via serial measures taken before, during and following a prolonged, intermittent exercise protocol that simulates a soccer match.**Samara Innovations, Inc****2010-2011**

“Performance and Biomechanical Testing of a Specialized Compression Short”

S.J. Shultz; Principal Investigator; \$55,750 (Fee or Service Contract)Aim: To compare a specialized compression short to a standard compression short on functional performance (sprint speed, jump height and distance, balance) and 3-D joint biomechanics during a drop jump and single leg squat.**NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (3R01AR053172-03S1)****2009-2010**

Administrative Supplement “Sex Hormone Mediated Knee Laxity and Knee Stability”

S.J. Shultz; Principal Investigator (10% Effort); \$105,000Aim: To identify through advance statistical methods individual laxity profiles and individual landing and lower extremity perturbation profiles (joint motions and forces) and determine the laxity profile(s) that are most predictive of at risk knee biomechanical profiles.**NIH - National Institute of Arthritis and Musculoskeletal and Skin Diseases (R01 AR050421)****2007-2012**

“A Case-Control Study of ACL Injury Risk Factors”

S.J. Shultz; Consultant

University of Vermont (B.D. Beynnon, Principal Investigator), 1,480,000

NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (ROI-AR053172)**2006-2010**

“Sex Hormone Mediated Knee Laxity and Knee Stability”

S.J. Shultz; Principal Investigator (50% Effort)

University of North Carolina at Greensboro \$1,037,210

UNCG Safrit Award**2008 - 2009**

“Changes in Serum Collagen Marker Levels Across the Menstrual Cycle”

Co-Principal Investigator with L.Wideman, University of North Carolina at Greensboro. \$3,000

NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (3R01AR053172 - 01A1W1)**2007**

“Sex Hormone Mediated Knee Laxity and Knee Stability”; Minority Supplement to Promote Diversity in Health Related Research (Michael Leonard-Garner, Undergraduate Student)

S.J. Shultz; Principal Investigator (50% Effort)

University of North Carolina at Greensboro \$15,337

UNCG Regular Faculty Grant**2007 - 2008**

“Changes in Serum Collagen Marker Levels Across the Menstrual Cycle”

Co-Principal Investigator with L.Wideman, University of North Carolina at Greensboro. \$5,000

Faculty Grant**2005-2006**

“Pilot Data for a Prospective Study of ACL Injury Risk Factors During Skeletal Maturation”

S.J. Shultz; Co-Principal Investigator with RJ Schmitz, University of North Carolina at Greensboro. \$10,000**NATA Ethnic Diversity Advisory Council****2005-2006**

“Summer Research Assistantships for Ethnically Diverse Undergraduate Students”

Co-Principal Investigator with AD Nguyen; University of North Carolina at Greensboro. \$7,000.00

- National Federation of State High School Athletics Associations** 2004-2005
 “Health and Safety Issues in High School Athletics”
Project Coordinator, University of North Carolina at Greensboro
 Phase III continuation of previously funded project to develop the 3rd edition of the National Federation of State High School Association's Sports Medicine Handbook. \$9,994.00
- Warner / Fermaturo and KCOM Board of Trustees** 2003-2005
 “Gender Differences in Neuromuscular Response Characteristics Between Prepubescent Boys and Girls Following a Knee Perturbation”. SJ Shultz; Consultant
 Principal Investigator: Tamara C. Valovich, Arizona School of Health Sciences. \$3,985.
- Faculty Grant** 2003-2005
 “Kinematic Analysis of Functional Knee Stability Following a Lower Extremity Perturbation”
S.J. Shultz; Co-Principal Investigator with RJ Schmitz, University of North Carolina at Greensboro. \$11,550
- New Faculty Grant** 2002- 2003
 “Effect of Knee Joint Displacement and Load on Neuromuscular Reflex Behavior: A Reliability and Validity Study”
Principal Investigator, University of North Carolina at Greensboro. \$5,000
- National Institutes of Health - General Clinical Research Center Grant # MO1 RR 00847-28** 2001 - 2002
 The major goal of this project is to make available to medical scientists the resources that are necessary for the conduct of clinical research.
S.J. Shultz; Director, Strength & Balance Laboratory (15% Effort), University of Virginia
 (Principal Investigator: Robert M. Carey). \$3,850,701 (Direct)
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (R03-AR47178)** 2000 - 2004
 “Gender, Sex Specific Hormones and Anterior Cruciate Ligament Compliance”
S.J. Shultz; Co-Principal Investigator and Project Coordinator (25% Effort)
 University of Virginia (Years 1&2), University of North Carolina at Greensboro (Year 3; no cost extension Year 4)
 (Principal Investigator; David H. Perrin). \$222,000
- National Federation of State High School Associations** 2000 - 2002
 Phase II continuation of previously funded project to develop a National Federation of State High School Association's Sports Medicine Handbook.
S.J. Shultz; Principal Investigator (5% Effort), University of Virginia. \$12,548.39
- Summer Grant Writing Award** Summer 2001
 Internal award to prepare a research grant proposal to investigate the effects of knee joint displacement and load on neuromuscular reflex behavior (Incorporated into R01 Proposal).
S.J. Shultz; Principal Investigator, University of Virginia. \$5,000.00
- Summer Grant Writing Award** Summer 2000
 Internal award to prepare a research grant proposal to compare neuromuscular response strategies, kinematics and ground contact forces in males and females during functional perturbations and landing maneuvers. (Incorporated into R01 Proposal)
S.J. Shultz; Principal Investigator, University of Virginia. \$5,000.00
- National Athletic Trainers’ Association Research and Education Foundation** 2000 – 2003
 “Effect of Lower Extremity Limb Alignment on Neuromuscular Activation Patterns”
S.J. Shultz; Co-Principal Investigator with David H. Perrin; University of Virginia. \$35, 207.00
- National Federation of State High School Associations** 1999 – 2000
 Collection and Analysis of Information on Current Sports Medicine Issues for Development of a National Association Sports Medicine Handbook.
S.J. Shultz; Principal Investigator, University of Virginia. \$12,940.00
- National Athletic Trainers’ Association Research and Education Foundation** 1997 - 1999
 “Neuromuscular Response Characteristics in Males and Females Following Knee Perturbation.”
S.J. Shultz; Co-Principal Investigator with David H. Perrin PhD, ATC; University of Virginia. \$18,811.00

Far West Athletic Trainers' Association

1997 - 1998

“Reliability and Validity of a Functional Perturbation Device to Assess Neuromuscular Response Characteristics.” S.J. Shultz; Principal Investigator, University of Virginia. \$750.00

Student Grants Awarded as Faculty Advisor**University of North Carolina Greensboro Summer Research Assistantship**

2011

“Postural Balance Differences Between Dancers and Athletes”

Summer Research Assistantship Awarded to Michele Pye; \$2,000

University of North Carolina Greensboro Summer Research Assistantship

2011

“Timing of Energy Absorption Strategies During a Drop Jump”

Summer Research Assistantship Awarded to Amanda Tritsch; \$2,000

University of North Carolina Greensboro Undergraduate Research Assistant

2010– 2011

“Genetic Associations with Knee Joint Laxity” (Co-Faculty Advisor with Vincent Henrich)

Interdisciplinary Undergraduate Research Assistant: Richard Bell, \$3,000

National Athletic Trainers' Association Research and Education Foundation

2010 – 2011

Doctoral Research Grant: “The Effect of Relative Lean Body Mass and Strength on Hip, Knee, and Ankle Energy Absorption During Landing”

Melissa Montgomery, Principal Investigator; University of North Carolina at Greensboro, \$2,500

University of North Carolina Greensboro Summer Research Assistantship

2010

“Effect of strength and body composition on changes in biomechanics during a soccer match simulation”

Summer Research Assistantship Awarded to Amanda Tritsch; \$2,000

University of North Carolina Greensboro Undergraduate Research Assistant

2009– 2010

“The Independent and Interactive Effects of Estrogen, Tension and Heat on Gene Expression in Collagen Fibroblasts” (Co-Faculty Advisor with Vincent Henrich)

Interdisciplinary Undergraduate Research Assistant: Richard Bell, \$3,000

University of North Carolina Greensboro Undergraduate Research Assistant

2008– 2009

“The effect of Lean Muscle Mass and Strength to Body Weight Measures on Quadriceps Activation Amplitudes During a Drop Jump Landing”

Undergraduate Research Assistant: Megan Christiansen, \$2,000

National Athletic Trainers' Association Research and Education Foundation

2006 – 2007

Doctoral Research Grant: “Relationships Between Lower Extremity Posture And Lower Extremity Kinematics With Posterior Lateral Hip Activation During A Single Leg Squat”

AD Nguyen, Principal Investigator; University of North Carolina at Greensboro, \$2,500

University of North Carolina Greensboro Undergraduate Research Assistant

2006 – 2007

“The Effect of Dance Training and General Joint Laxity”

Undergraduate Research Assistant: Erin Laurie, \$2,000

University of North Carolina Greensboro Undergraduate Research Assistant

2006 – 2007

“The Relationship Between Lower Extremity Alignment and Dynamic Knee Valgus During Drop Jump Landings”

Undergraduate Research Assistant: Katherine LeMyre, \$2,000

National Athletic Trainers' Association Research and Education Foundation

2005 – 2006

Doctoral Research Grant: “The effect of tibialis anterior fatigue on the tibial internal rotation and eversion during heel-toe landing”

Y Shimokochi, Principal Investigator; University of North Carolina at Greensboro, \$2,500

National Athletic Trainers' Association Research and Education Foundation

2005 – 2006

Doctoral Research Grant: “Comparison of Muscle Activation and Knee Joint Stiffness in Female Dancers and Basketball Players During Drop Jumps Landings”

JP Ambegoankar, Principal Investigator; University of North Carolina at Greensboro, \$2,500

University of North Carolina Greensboro Undergraduate Research Assistant

2005 – 2006

“The Prevalence of General Joint Laxity in a Division I Athletic Population”

Undergraduate Research Assistant: Erin Laurie, \$1,500

Grants Submitted / Pending

- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted October, 2011**
New Proposal “Knee Joint Laxity: A Complex Phenotype Indicative of ACL Injury Risk”
Co-Principal Investigator with VC Henrich, University of North Carolina at Greensboro.
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted March, 2011**
Competitive Renewal for RO1-AR053172 “Hormone mediate-knee laxity and knee stability
Co-Principal Investigator, University of North Carolina at Greensboro; Scored (63, 53%; not funded).
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted October, 2010**
“Precipitation Factors for High Risk Knee Joint Biomechanics: A Longitudinal Growth Modeling Study”
Principal Investigator, University of North Carolina at Greensboro: Not Funded
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted June, 2008**
“Maturational and Sex Specific Orthopedic Injury Risk Factors in Youth Soccer”
Co-Principal Investigator, University of North Carolina at Greensboro (Principal Investigator; RJ Schmitz) Not Funded
- Centers for Disease Control** **Submitted February, 2007**
“Risk Factor Detection, Targeted Prevention and Injury Reduction in Youth Soccer”
Co-Principal Investigator with RJ Schmitz, University of North Carolina at Greensboro: Scored, not funded
- National Athletic Trainers’ Association Research and Education Foundation** **Submitted September, 2005**
“Neuromuscular and Biomechanical Consequences of Anterior Knee Joint Laxity”
Principal Investigator, University of North Carolina at Greensboro: Not Funded
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted February, 2005**
“Hormone-Mediated Knee Joint Laxity and Neuromechanics”
Principal Investigator, University of North Carolina at Greensboro (Score 175, percentile 17%, Approved for Funding)
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted March, 2004**
“A Case-Control Study of ACL Injury Risk Factors”
Co-Principal Investigator, University of North Carolina at Greensboro (Principal Investigator; BD Beynnon)
Resubmitted February, 2006 – (Score 180)
- NIH – National Institute of Arthritis and Musculoskeletal and Skin Diseases (RO1)** **Submitted October, 1999**
“Gender and Hormonal Factors Relating to Active Muscle Stiffness”
Co-Investigator, University of Virginia (Principal Investigator; Kevin P. Granata, PhD): Not Funded
- The Aircast Foundation, Inc.** **Submitted April, 1999**
“Estradiol and progesterone levels and knee joint stiffness”. Co-Investigator, University of Virginia
(Principal Investigator; David H. Perrin): Not Funded.

Patents

- Reflex Testing Apparatus** **Submitted January, 2004**
A Reflex Testing Apparatus (RTA) designed to initiate a patellar tendon reflex while anterior directed loads displace the tibia relative to the femur (University of North Carolina at Greensboro; Greensboro, NC - patent pending). The diagnostic capabilities of this device in quantifying neuromuscular functional deficits and recovery is currently being explored.
Principal Inventor.

Refereed Journal Publications

- Schmitz RJ, Sauret J, Shultz SJ. Anterior Tibiofemoral Intersegmental Forces during Landing are Predicted by Passive Restraint Mechanics. *Knee Surgery Sports Traumatology and Arthroscopy (In Review)*.
- Goetschius J, Smith HC, Vacek PM, Holterman LA, Shultz SJ, Tourville T, Slauterbeck J, Johnson RJ, Beynnon BD. Application of a Clinic-Based Algorithm as a Tool to Identify Female Athletes at Risk for Anterior Cruciate Ligament Injury: A Case-Control Study. *American Journal of Sports Medicine (In Review)*.

3. Norcross M, Lewek M, Padua DA, Shultz SJ, Weinhold P, Blackburn JT. Lower extremity energy absorption and biomechanics during landing. Part I: Sagittal plane energy analyses. *Journal of Athletic Training (In Review)*.
4. Norcross M, Lewek M, Padua DA, Shultz SJ, Weinhold P, Blackburn JT. Lower extremity energy absorption and biomechanics during landing. Part II: Frontal plane energy analyses and inter-planar relationships. *Journal of Athletic Training (In Review)*.
5. Bell RD, Henrich VC, Wideman L, Shultz SJ. Genetic Polymorphisms Previously Associated with ACL Injury are also Associated with Knee Joint Laxity. *British Journal of Sports Medicine (In Review)*.
6. Shultz SJ, Schmitz RJ. Tibial Plateau Geometry Influences Hip and Knee Motion During Landing. *American Journal of Sports Medicine (In Review)*.
7. Shultz SJ, Wideman L, Montgomery MM, Beasley KN, Nindl BC. Changes in Serum Collagen Markers, IGF-I and Knee Joint Laxity Across the Menstrual Cycle. *Journal of Orthopaedic Research. (In Review)*
8. Wideman L, Montgomery MM, Levine BJ, Beynnon BD, Shultz SJ. Accuracy of Calendar Based Methods for Assigning Menstrual Cycle Phase in Women. *Journal of Sports Health (In Review)*
9. Shimokochi Y, Meyer E, Lee SY, Ambegaonkar JP, Shultz SJ. Changing Sagittal Plane Body Positions Influences Noncontact Anterior Cruciate Ligament Injury Risk during Single-Leg Landings. *Knee Surgery Sports Traumatology Arthroscopy (In Review)*.
10. Kim HS, Schmitz RJ, Shultz SJ. Effect of Neuromuscular Fatigue on Tibiofemoral Joint Biomechanics when Transitioning from Non-Weight Bearing to Weight Bearing. *Journal of Athletic Training (In Review)*
11. Schmitz RJ, Shultz SJ. Changes in Anterior Knee Stiffness in Laxity Responders vs. Laxity Non-Responders Across the Menstrual Cycle. *Journal of Athletic Training. (In Press; Accepted Nov 1st, 2011)*.
12. Smith HC, Vacek PM, Johnson RJ, Slauterbeck JR, Hashemi J, Shultz SJ, Beynnon BD. Risk Factors for Anterior Cruciate Ligament Injury: A Review of the Literature: Part 1: Neuromuscular and Anatomic Risk. *Journal of Sports Health (In Press; Accepted Oct 10th, 2011)*
13. Smith HC, Vacek PM, Johnson RJ, Slauterbeck JR, Hashemi J, Shultz SJ, Beynnon BD. Risk Factors for Anterior Cruciate Ligament Injury: A Review of the Literature: Part 2: Hormonal, Genetic, Cognitive Function, Previous Injury and Extrinsic Risk Factors. *Journal of Sports Health (In Press; Accepted Oct 10th, 2011)*.
14. Shultz SJ, Schmitz RJ, Kong Y, Dudley WN, Beynnon BD, Nguyen AD, Kim HS, Montgomery MM, Perrin DH. Cyclic Variations in Knee Joint Laxity Profiles Influence Landing Biomechanics. *Medicine and Science in Sport and Exercise (In Press; Accepted Oct 6th, 2011)*
15. Cone JR, Berry NT, Goldfarb AH, Henson R, Schmitz RJ, Wideman L, Shultz SJ. Effects of a Soccer Match Simulation on Lower Extremity Mechanics. *Journal of Strength and Conditioning Research (In Press; Accepted, September 28th 2011)*
16. Smith HC, Johnson RJ, Shultz SJ, Tourville T, Holterman LA, Slauterbeck JR, Vacek PM, Bernstein IM, Beynnon BD. A prospective evaluation of the Landing Error Scoring System (LESS) as a screening tool for anterior cruciate ligament injury risk. *American Journal of Sports Medicine (In Press; Accepted September 14, 2011)*
17. Shultz SJ, Dudley WN, Kong Y. Identifying Knee Laxity Profiles and Associated Physical Characteristics. *Journal of Athletic Training (In Press; Accepted for publication March 15th, 2011)*. [PMCIA - in process]
18. Shultz SJ, Tritsch A, Montgomery MM, Schmitz RJ. Methodological Considerations of Task and Shoewear on Joint Energetics During Landing. *Journal of Electromyography and Kinesiology*. 2012; 22(1):124-30
19. Hashemi J, Breighner R, Chandrashekar N, Hardy DM, Chaudhari AM, Shultz SJ, Slauterbeck JR, Beynnon BD. Hip extension, knee flexion paradox: A new mechanism for non-contact ACL injury. *Journal of Biomechanics*. 2011;44(4):577-85.
20. Shultz SJ, Schmitz RJ, Beynnon BD. Variations in Varus/Valgus and Internal/External Rotational Knee Joint Laxity and Stiffness Across the Menstrual Cycle. *Journal of Orthopaedic Research*. 2011;29(3):318-25. PMID: 20882589 NIHMSID #323478. [PMC3176732]
21. Ambegaonkar JP, Shultz SJ, Perrin DH. A subsequent movement alters lower extremity muscle activity and kinetics in drop jumps versus drop landings. *Journal of Strength and Conditioning Research*. 2011; 25(10): 2781-2788.
22. Nguyen AD, Schmitz RJ, Leucht R, Perrin DH, Shultz SJ. A Preliminary Multifactorial Approach Describing the Relationships between Lower Extremity Alignment, Hip Strength and Lower Extremity Joint Excursion. *Journal of Athletic Training*. 2011; 46(3):246-256.

23. Ambegaonkar JP, Shultz SJ. Changing Filtering Parameters Affects Lower Extremity Pre-Landing Muscle Activation Onset Times. *Journal of Athletic Training (In Press)*
24. Ambegaonkar JP, Shultz SJ, Perrin DH, Schmitz RJ, Ackerman TA. Lower Body Stiffness and Muscle Activity Differences between Female Dancers and Basketball Players during Drop Jumps. *Journal of Sports Health* 2011; 3(1):89-96
25. Shultz SJ, Schmitz RJ, Nguyen AD, Levine BJ, Kim HS, Montgomery MM, Shimokochi, Y, Beynnon BD, Perrin DH. Absolute Baseline and Cyclic Increases in Knee Laxity and Anterior Tibial Translation. *Medicine and Science in Sport and Exercise* 2011; 43(2):287–29. PMID: PMC2992800 [Available on 2012/2/1]
26. Shultz SJ, Schmitz RJ, Nguyen AD, McLean SC, Padua DA, Sigward SG. ACL Research Retreat V. March 25th-27th, 2010. Consensus Statement. *Journal of Athletic Training* 2010;45(5):499-508. PMC2938324
27. Montgomery MM, Shultz SJ. Isometric Knee Extension and Flexion Torque Does Not Change from Early Follicular to Post- Ovulatory Phases in Recreationally-active Females. *Journal of Athletic Training* 2010;45(6):586-93. PMC2978010
28. Shultz SJ, Perrin DH, Nguyen AD, Montgomery MM, Kim HS, Levine BJ. A Comparison of Cyclic Variations in Anterior Knee Laxity, Genu Recurvatum and General Joint Laxity Across the Menstrual Cycle. *Journal of Orthopaedic Research* 2010;28(11):1411-7. PMC2947333
29. Schmitz RJ and Shultz SJ. Contribution of Knee Flexor/Extensor Strength on Sex-Specific Energy Absorption and Torsional Joint Stiffness Patterns during Drop Jumping. *Journal of Athletic Training* 2010; 45(5):445-52. PMC2938314
30. Shultz SJ, Wideman L, Montgomery MM, Levine BJ. Some Sex Hormone Concentrations Are Consistent Over Time in Normal Menstruating Females. *British Journal of Sports Medicine*. 2011;45:735-742. PMC2937098 [Available on 2011/4/1]
31. Schmitz RJ, Kim HS, Shultz SJ. Effect of Axial Load on Anterior Tibial Translation when Transitioning from Non-Weight Bearing to Weight Bearing. *Journal of Clinical Biomechanics*. 2010 Jan;25(1):77-82
32. Shultz SJ, Schmitz RJ, Nguyen AD, Levine BJ. Joint Laxity is Related to Lower Extremity Energetics During a Drop Jump Landing. *Medicine and Science in Sports and Exercise* 2010; 42(4):771-780. PMC2936657
33. Bell DR, Myrick M, Padua DA, Guskiewicz KM, Blackburn TJ, Shultz SJ. The Effect of Menstrual Cycle Phase on Hamstring Extensibility and Muscle Stiffness. *Journal of Sport Rehabilitation*. 2009 Nov;18(4):553-63.
34. Nguyen AD, Shultz SJ. Identifying Relationships Among Lower Extremity Posture Characteristics. *Journal of Athletic Training*. 2009 Sep-Oct;44(5):511-8
35. Shimokochi Y, Ambegaonkar JP, Lee SY, Shultz SJ. The relationships among sagittal-plane lower extremity moments: implications for landing strategy in anterior cruciate ligament injury prevention. *Journal of Athletic Training* 2009;44(1)33-38
36. Shultz SJ, Schmitz RJ. Effects of Transverse and Frontal Plane Knee Laxity on Hip and Knee Neuromechanics During Drop Landings. *American Journal of Sports Medicine* 2009; 37(9): 1821-1830. PMID: PMC2894638
37. Ambegaonkar JP, Shultz SJ, Perrin DH, Schulz MR. Anterior Cruciate Ligament Injury in Collegiate Female Dancers. *Athletic Therapy Today*. 2009; 14(4):13-16.
38. Nguyen AD, Boling MC, Levine BJ, Shultz SJ. Relationships Between Lower Extremity Alignment and the Quadriceps Angle. *Clinical Journal of Sports Medicine*. 2009 May;19(3):201-6
39. Zinder SM, Granata KP, Shultz SJ, Gansneder BM. Ankle bracing and the neuromuscular factors influencing joint stiffness. *Journal of Athletic Trainin*. 2009;44(4):363-9.
40. Shultz SJ, Beynnon BD, Schmitz RJ. Sex Differences in Coupled Knee Motions During the Transition from Non-Weight Bearing to Weight Bearing. *Journal of Orthopaedic Research* 2009;27(6):717-23
41. Shultz SJ, Nguyen AD, Leonard MD, Schmitz RJ. Thigh Strength and Activation as Predictors of Knee Biomechanics During a Drop Landing Task. *Medicine and Science in Sports and Exercise*. 2009;41(4)857-866.
42. Schmitz RJ, Shultz SJ, Nguyen AD. Dynamic Valgus Alignment and Functional Strength in Males and Females during Maturation. *Journal of Athletic Training*. 2009; 44(1):26-32.
43. Shultz SJ, Nguyen AD, Levine B. The Relationship Between Lower Extremity Alignment Characteristics and Anterior Knee Joint Laxity. *Journal of Sports Health* 2009; 1(1):54-60. PMID: PMC2952959

44. Shultz SJ, Schmitz RJ, Nguyen AD. ACL Injuries: The Gender Bias. Research Retreat IV. April 3-5th, 2008. *Journal of Athletic Training* 2008;43(5):530-537
45. Renstrom P, Ljungqvist A, Arendt E, Beynnon B, Fukubayashi T, Garrett W, Georgoulis T, Hewett T, Johnson R, Krosshaug T, Mandelbaum B, Michelil L, Myklebust G, Roos E, Roos H, Schamasch P, Shultz S, Werner S, Wojtys E, Engebretsen L. Non-contact ACL Injuries in the Female Athlete – Current Concepts: An International Olympic Committee Current Concept Statement. *Br J Sports Med.* 2008;42(6):394-412
46. Schmitz RJ, Ficklin TK, Shimokochi Y, Nguyen AD, Beynnon BD, Perrin, DH, Shultz SJ. Varus-Valgus and Internal-External Torsional Knee Joint Stiffness Differs Between Sex. *American Journal of Sports Medicine.* 2008; 36(7):1380-8. PMID: PMC2562882
47. Shultz SJ, Schmitz RJ, Nguyen AD. Changes in Lower Extremity Anatomical and Postural Characteristics in Males and Females Between Maturation Stages. *Journal of Orthopaedic and Sports Physical Therapy.* 2008;38(3):137-49
48. Shimokochi, Y, Shultz SJ. Mechanisms of Non-Contact Anterior Cruciate Ligament Injury. *Journal of Athletic Training.* 2008;43(4):396-408
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Invited Papers

1. Shultz SJ, Nguyen AD. Anatomical and Postural Contributions to Knee Injury. *European Musculoskeletal Review (In Press)*.
2. Shultz SJ. Anterior Cruciate Ligament Injury in the Female Athlete: A Multifactorial Problem That Remains Poorly Understood. *Journal of Athletic Training*. 2008;43(5):455
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Refereed Abstracts

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88. Valovich TC, Guskiewicz KM, Diamond R, Shultz SJ, Gansneder BM, Perrin DH (FACSM). Practice Effects With Serial Administration Of Clinical Concussion Assessments In Healthy Young Athletes. *Medicine Science in Sports & Exercise*. 2003; 35(5):S247.
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101. Carcia CR, Shultz SJ, & Perrin DH. Neuromuscular Recruitment at the Knee Following a Functional Perturbation at Three Knee Flexion Angles. *Medicine and Science in Sports and Exercise*. 2001;33(5):S89
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103. Shultz SJ, Changes in Knee Joint Compliance Index and Maximal Displacement Across the Menstrual Cycle. *ACL Injuries: The Gender Bias - National Research Retreat I. Lexington, KY - April 2001. Journal of Clinical Biomechanics (Accepted - Reprint of Previous Abstract)*
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106. Moore BD, Drouin J, Shultz SJ, Gansneder BM. The Effect of Gender and Fatigue on Electromechanical Delay in Elite Athletes. *Journal of Athletic Training*. 2001; 36(2):S9
107. Olmsted LC, Carcia CR, Shultz SJ, Gansneder BM. The Effect of Functional Ankle Instability on Performance of the Star Excursion Balance Test. *Journal of Athletic Training*. 2001; 36(2):S75
108. Teprovich JM, King MA, Perrin DH, Gansneder BM, Shultz SJ. Functional Playing Position Does Not Effect Quadriceps and Hamstring Average Torque and Muscle Group Ratios in Division I Female Field Hockey and Lacrosse Players. *Journal of Athletic Training* 2001;36(2):85
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111. Hobbs MC, Shultz SJ, Arnold BL, Gansneder BM. Changes in Knee Joint Compliance Index and Maximal Displacement across the Menstrual Cycle. *Journal of Athletic Training*. 2000; 34(2):S37
112. Rose HM, Shultz SJ, Arnold BL, Gansneder BM. The Effect of Orthotic Intervention on Muscular Response Times and Activation Patterns at the Knee. *Journal of Athletic Training*. 2000; 34(2):S32
113. Shultz SJ, Perrin DH, Gansneder BM, Granata KP, Adams JM & Arnold BL. Effect of Lower Extremity Limb Alignment on Muscular Activation Patterns. *Medicine and Science in Sports and Exercise*. 1999; 31(5):S284
114. Shultz SJ, Perrin DH, Gansneder BM, Granata KP, Adams JM & Arnold BL. Neuromuscular Response Characteristics in Males and Females Following Knee Perturbation. *Journal of Athletic Training*. 1999;34(2):S11
115. Oshikoya CA, Shultz SJ, Perrin DH, Arnold BL, Mistry D & Gansneder BM. Effect of Coupling Medium Temperature on Rate of Intra-muscular Temperature Rise Using Continuous Ultrasound. *Journal of Athletic Training*. 1999; 34(2):S74

Book

Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Examination of Musculoskeletal Injuries. 3rd Edition. Human Kinetics: Champaign, IL. 2010.

Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Examination of Musculoskeletal Injuries. 2nd Edition. Human Kinetics: Champaign, IL. 2005.

Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Assessment of Athletic Injuries. Human Kinetics: Champaign, IL. 2000.

Book Chapters

Shultz S.J., Nguyen A.D. “Gender Differences in Anatomy”. In Unique Considerations of the Female Athlete. Thomas Delmar Learning: New York. 2009

Shultz S.J., Nguyen A.D., Beynon B.D. 2007. “Anatomical Factors in ACL Injury Risk” In Understanding and Preventing Non Contact ACL Injury. TE Hewett, LY Griffin, & SJ Shultz Editors. Human Kinetics: Champaign, IL.

Shultz S.J. 2007. “Hormonal Influences on Ligament Biology” In Understanding and Preventing Non Contact ACL Injury. TE Hewett, LY Griffin, & SJ Shultz Editors. Human Kinetics: Champaign, IL.

Shultz S.J. 2007. “Preventative Training Programs: Changing Strength Ratios versus Positions of Muscular Efficiency?” In Understanding and Preventing Non Contact ACL Injury. TE Hewett, LY Griffin, & SJ Shultz Editors. Human Kinetics: Champaign, IL.

Shultz S.J. *Introduction to Grant Writing and Research Funding Sources.* 2005. In: Arnold B.L., Perrin D.H. & Gansneder B.G. Research in Athletic Training. Philadelphia: F.A. Davis; Chapter 19.

Perrin D.H., Shultz S.J. *Models for clinical research involving proprioception and neuromuscular control.* 2000. In: Lephart SM, Fu FH, eds. Proprioception and Neuromuscular Control in Joint Stability. Champaign: Human Kinetics.

Book Editorship

Section IV: Hormonal and Anatomical Risk Factors and Preventative Bracing for ACL Injuries. Shultz SJ. Section Editor. In Understanding and Preventing Non Contact ACL Injury. 2005. Human Kinetics: Champaign, IL.

Book Ancillaries / Multimedia Publications

Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Examination of Musculoskeletal Injuries Presentation Package (CD ROM). 2000. Human Kinetics: Champaign, IL.

Valovich, T.C. for Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Assessment of Athletic Injuries Graphics Package (CD ROM). 2000. Human Kinetics: Champaign, IL.

Valovich, T.C. for Shultz, S.J., Houglum, P.A. & Perrin, D.H.. Assessment of Athletic Injuries Instructor Guide and Test Package (CD ROM). 2000. Human Kinetics: Champaign, IL.

Monographs / Handbooks

Pollard CD, Sigward SM, and Shultz SJ. *Risk Factors for ACL Injuries.* Monograph for Independent Study Course 19.1 *Update on Anterior Cruciate Ligament Injuries* Orthopaedic Section, American Physical Therapy Association. Approval Dates 2009-2010.

Shultz, S.J., Valovich, T.C. & Zinder, S.M. Sports Medicine Handbook. 3rd Edition. National Federation of State High School Associations: Indianapolis, IN. In Press.

Shultz, S.J., Valovich, T.C. & Zinder, S.M. Sports Medicine Handbook. 2nd Edition. National Federation of State High School Associations: Indianapolis, IN. 2002.

Shultz, S.J., NFL Youth Football Project. Series of articles on the topic of Strength and Conditioning specific to youth football sport participation. “*Essential Components of a Strength and Conditioning Program*”, “*Proper Warm Up and Cool Down*”, and “*When Not to Ignore Aches and Pains*”. National Football League, 2002.

Shultz, S.J., Zinder, S.M. & Valovich, T.C. Sports Medicine Handbook. National Federation of State High School Associations: Indianapolis, IN. 2001.

Shultz, SJ, Rudd, D.A., Miller, D.A. & Dixon-Burns, A. Revised Recommendations and Guidelines for Appropriate Medical Coverage of Intercollegiate Athletics. National Athletic Trainers Association; Dallas, TX. March 2003

Shultz, SJ, Rudd, D.A., Miller, D.A. & Dixon-Burns, A. Recommendations and Guidelines for Appropriate Medical Coverage of Intercollegiate Athletics. National Athletic Trainers Association; Dallas, TX. March 2000

Book Reviews (Published)

Bompa, T.O. & Cornacchia, L.J. Serious Strength Training. *Journal of Athletic Training*, 33(4): 381, 1998

TEACHING AND ADVISING

Course Instruction

University of North Carolina @ Greensboro: Department of Exercise & Sport Sciences

"Applying Research to Profession Practice in Kinesiology	Spring 2011
"Research Seminar in Applied Neuromechanics (ESS 702): Instructor	Fall & Spring 2005-Present
"Neural Aspects of Motor Control (ESS 730): Co-Instructor	Spring 2004, 2006, 2008, 2010
"Seminar in Grant Writing" (ESS 798): Instructor	Fall 2003-2006, 2009-2011
"Management and Professional Issues in Athletic Training" (ESS 725): Co-Instructor	Fall 2003, 2004, 2005
"Therapeutic Techniques in Rehabilitating Athletic Injuries" (ESS 640): Instructor	Spring 2003 - 2006, 2008
"Clinical Education III: Athletic Injury Assessment" (ESS 541): Co-Instructor	Fall 2002

University of Virginia: Department of Human Services

"Orthopedic Basis of Sport Injury" (EDHS 841): Instructor	Spring 2002
"Emergency Medical Care" (EDHS 451/552): Instructor	Spring 2000, 2001, 2002
"Seminar in Educational Research" (EDHS 744): Co-Instructor	Spring 2000, 2001, 2002
"Masters Thesis: Research in Athletic Training" (EDHS 899): Co-Instructor	Fall & Spring 1999-2002
"Current Trends in Athletic Training" (EDHS 850): Instructor	Fall 1999, 2000, 2001
"Doctoral Seminar in Grant Writing" (EDHS 850): Instructor	Fall 2000
"Instrumentation in Clinical Assessment and Sports Medicine Research" (EDHS 589): Instructor	Spring & Fall 1999
"Masters Thesis: Research in Athletic Training" (EDHS 899): Teaching Assistant	Fall & Spring 1997-98
"Anatomical Basis of Sports Medicine" (EDHS 758): Graduate Assistant Instructor	Summer 1998
"Skeletal Biomechanics" (BIOM 793): Guest Lecturer	Fall, 2000
"Orthopaedic Basis of Athletic Training" (EDHS 841): Guest Lecturer	Spring 1998 & 1999
"Advanced Athletic Training" (EDHS 589): Guest Lecturer	Spring 1998

UCLA Extension: Department of Humanities, Sciences and Social Sciences

"Basic Care and Prevention of Athletic Injuries" (X457.5)	Winter 1995 & 1996
"Advanced Athletic Training: Evaluation of Athletic Injuries" (X457.4)	Spring 1993 & 1994
"Prevention and Recognition of Injuries for Fitness Instructors" (X468)	Winter 1994

California State University, Fullerton: Depart. of Kinesiology and Health Promotions

"Rehabilitation and Therapeutic Modalities" (PHED 367): Co-Instructor	Fall 1993 & 1994
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Doctoral Advisory / Dissertation Committee Chair

Michele Pye (2010-Present).

Amanda Tritsch (2009-Present).

Melissa Montgomery (2007 – Present). "The Effect of Lean Body Mass and Strength on Lower Extremity Energy Absorption Strategies during Landing".

Hyunsoo Kim (2006 – 2011). Did not complete program.

John Cone (2007 – 2010). "The Effect of an Individualized Soccer Match Simulation on Movement and Performance"

Michelle Lesperance, Ed.D (2002 – 2008; Co-Chair with JM Henning). “*The Effects of Problem-Based Learning on Students’ Critical Thinking Skills*”

Aaron Terranova, Ed.D. (2005 – 2008; Co-Chair with JM Henning). “*The Relationship Between Job Satisfaction and Intent to Leave in Collegiate Certified Athletic Trainers*”

Anh-Dung Nguyen, PhD (2004 – 2007). “*Effects of Lower Extremity Posture on Hip Strength and Their Influence on Lower Extremity Kinematics During a Single Leg Squat*”

Yohei Shimokochi, PhD (2003 – 2006). “*The Effect of Tibialis Anterior Fatigue on Knee Internal Rotation and Ankle Eversion During Heel to Toe Landings*”

Jatin Ambegoankar, PhD (2003 – 2006; Co-Chair with DH Perrin). “*A Comparison Of Muscle Activation and Knee Joint Stiffness between Female Dancers and Basketball Players during Drop Jumps*”

Thomas Windley, PhD (2002 – 2005). “*Anatomical and Neuromuscular Contributions to Anterior Knee Shear Force During Single-Leg Landings in Females*”

Christopher Carcia, PhD (1999 – 2002). “*Effect of Controlled Loading on Knee Ligament Behavior Between Genders*”

Todd Sanders, PhD (2000-2003). “*Sex Related Motor Control Compensations During Landing Tasks*”

Doctoral Advisory / Dissertation Committee Member

Marc Norcross (2010-Present). “*Energetic Analysis of Landing: A Novel Approach to Understanding Anterior Cruciate Ligament Injuries*” (Doctoral Student at University of North Carolina at Chapel Hill)

Jerome Sauret (2007 – Present). “*The Validation of sEMG-Torque Relationship During a Dynamic Landing Task*”

Megan Granquist (2005 – 2008). “*Development of a Rehabilitation Adherence Measure for Athletic Training*”

Lee Howard, PhD (2002 – 2005). “*Kinematic and Kinetic Effects of Knee and Ankle Sagittal Plane Joint Restrictions During Squatting*”

Anthony Kulas, PhD (2002 – 2005). “*Effects of the Abdominal Hollowing Maneuver on Lower Extremity Biomechanics during Drop Landings*”

Carrie Docherty, PhD (2000 – 2003). “*Characteristic changes in functional performance in volunteers with ankle instability*” (Advisory Committee Only)

Joshua Drouin, PhD (1999 – 2002). “*The Relationship Between Muscular Timing and Magnitude During a Stepping Task and Subjectively Reported Ankle Instability*”

Steven Zinder, PhD (1999 – 2002). “*The Effect of Ankle Bracing and Functional Ankle Instability on Inversion/Eversion Ankle Stiffness*”

Tamara Valovich, PhD (1998 – 2001). “*The Use of the Standardized Assessment of Concussion and Balance Error Scoring System and Learning Effects in Youth Sports Participants*”

Masters Thesis Committee Chair

Lavanya Kailas (2009 – 2011). “*TBD*”

Ashley Rockey, MS (2006 – 2008). “*The Relationship Between Anterior Pelvic Tilt, Hamstring Extensibility and Hamstring Strength*”

Krystal Smith, MS (2005 – 2007). “*Hormone Status and Measures of Joint Laxity*”

Tyler Hamilton, MS (2004 – 2006). “*Tests of Lower Limb Strength, Power and Balance as Predictors of Performance on a Single Leg Triple Hop for Distance*”

Timothy Botic, MS (2003 – 2005). “*Development of a Landmark Protocol to Construct Segment Axes for Lower Extremity Kinematic Analyses*”

Linda Anstee, M.Ed. (2001 – 2002). “*Intertester and Intratester Reliability of a Functional Movement Screen™*”

David Bell, M.Ed. (2001 – 2002). “*The Effect of Trunk Position on Reflex Timing and Amplitude in Response to a Lower Extremity Perturbation*”

- James Eggen, M.Ed. (2001 – 2002). “*Hip Abductor Fatigue Affects Frontal Plane Motion Following a Drop Jump*”
- Scott Gross, M.Ed. (2001 – 2002). “*Effect of Rate of Force Application on Anterior Knee Laxity and Stiffness*”
- Timothy Kelly, M.Ed. (2001 – 2002). “*The Effect of Peroneal Muscle Fatigue on Medial/Lateral Ankle Stiffness*”
- Sarah Lathrop, M.Ed. (2001 – 2002). “*Evaluation of Eating Behaviors and Attitudes in Male Athletes Using Two Survey Instruments*”
- Monica Murrell, M.Ed. (2001 – 2002). “*The Effect of Moderate Exertion on Neuromuscular Activation Following a Lower Extremity Perturbation*”
- Katie Rybak, M.Ed. (2001 – 2002). “*The Effect of Functional Ankle Instability on Static and Dynamic Joint Reposition Sense*”
- Thomas Susco, M.Ed. (2001 – 2002). “*Gender Effects on Balance Recovery Timelines From Exertion as Measured using the Balance Error Scoring System*”
- Lauren Swisher, M.Ed. (2001 – 2002). “*Gender Differences in Muscular Activation Patterns at the Knee in Pre-pubescents*”
- Brady Tripp, M.Ed. (2001 – 2002). “*The Effects of Functional Fatigue on Active Multi-joint Position Reproduction of the Throwing Shoulder*”
- Shelley Croom, M.Ed. (2001 – 2002). “*The Effect of Lower Extremity Injury on Postural Control as Measured by the Balance Error Scoring System*”
- Karen Cote, M.Ed. (2000 – 2001). “*Effect of Foot Type on Center of Pressure and Balance*”
- Jennifer D’Amico, M.Ed. (2000 – 2001). “*The Effect of Functional Fatigue on Balance in Stable and Unstable Ankles*”
- Melissa Hargrave, M.Ed. (2000 – 2001). “*Influence of Navicular Drop on Ground Reaction Forces and Rate of Loading During Landing*”
- Aaron Terranova, M.Ed. (2000 – 2001). “*The Effect of Athletic Taping on Fibularis Muscle Latency*”
- Tori Depp, M.Ed. (1999 – 2000). “*The Effect of Foot Orthotics on Muscle Activation Patterns in Selected Lower Extremity Muscles During Gait*”
- Brian Moore, M.Ed. (1999 – 2000). “*The Effect of Gender and Fatigue on Electromechanical Delay in Elite Athletes*”
- Lauren Olmsted, M.Ed. (1999 – 2000). “*Effects of Functional Ankle Instability on the Performance of the Star Excursion Balance Test*”
- Jasper Richardson, M.Ed. (1999 – 2000). “*The Relationship between Foot Placement Angle and Navicular Drop*”

SERVICE

University Service

University of North Carolina at Greensboro

Director of Graduate Study (Department of Exercise and Sport Science)

January 2006 – August 2011

Chair, Department of Kinesiology Graduate Studies Committee

September 2010 - Present

Responsible for the administration of processes related to the recruitment, admission, advising and qualifying of graduate students in the Department of Kinesiology. Directors of Graduate Study work collaboratively with The Graduate School on all matters relating to graduate education. Chair the Department of Kinesiology Graduate Studies Committee.

Research Excellence Selection Committee

April – May, 2010

To select the Research Excellence Awards for the 2009-2010 Academic Year

Faculty Search Committees

Assistant/Associate Professor and MSAT Program Director

October 2011 – Present

Assistant/Associate Professor, Sports Medicine and Applied Neuromechanics (Chair)

December 2009 – May 2010

Associate Dean for Research, School of Health and Human Performance

May 2007 – July 2007

Professor and Head, Department of Exercise and Sport Science (Chair)

December 2006 - 2008

Provost and Vice Chancellor for Academic Affairs

November 2006 – May 2007

Director of Undergraduate Research, Office of the Vice Provost for Research

August 2005 – December 2005

Senior Faculty Member, Department of Public Health Education

October 2003 – June 2004

Senior Research Professor (2 positions), Office of the Provost

November 2003 – June 2005

Athletic Training Program Director, Department of Exercise & Sport Science (Chair) January 2004-May 2004

Research Advisory Council (School of Health and Human Performance) January 2005 – Present
Advisory committee to the Associate Dean of Research in the School of Health and Human Performance; Serve as Awards Committee for all School research awards.

Center for Women's Health and Wellness (School of Health and Human Performance) August 2004 – 2007
The mission of the Center for Women's Health and Wellness is to advance the health and wellness of all women and girls through collaborative research and educational programs.

Ed.D. Curriculum Task Force Spring 2006
Revised the Ed.D. Program Mission, Vision, Goals and Curricular Program of Study in the Department of Exercise and Sport Science

Undergraduate Research Committee September 2003 – 2006
Interim Chair (2005-2006)
This University Wide committee is intended to support undergraduate research activities on campus, including the review and selection of candidates for undergraduate research internships.

External Grant Reviewer February 2004
NCARS Proposal: "Effect of Exercise Training During Lactation on Maternal Bone Status". C. Lovelady, Principal Investigator. School of Human Environmental Sciences.

Grant Writing Workshop Selection Committee April 2003
Committee selected by the Associate Provost for Research to review applications and select participants for a one-year intensive grant writing course.

Program Director – CAAHEP Accredited Entry Level Masters Degree Program in Athletic Training 2002 – 2004
Responsible for overall direction of the CAAHEP Accredited Entry Level Masters Degree Program; including admission and retention of students, on-going program evaluation, curricular revisions, student orientation and advisement, coordination of in-services, and preparation of annual reports to the Joint Review Committee on Athletic Training Programs.

CAAHEP Accreditation Committee – Entry Level Masters' Degree Program August 2002 - April 2003
Assisted with completion of the self-study document, and in coordination and preparation for the site-visit. Responsible for the preparation and submission of the UNCG Site Visit Rejoinder.

University of Virginia

Interim Program Director- Graduate Program in Athletic Training 2001-02
Responsible for overall direction of the NATA Accredited Post-Certified Masters Degree Program in Athletic Training; including admission and retention of students, student advisement, program evaluation and annual reporting.

NATA Accreditation Self Study Committee – Advanced Graduate Program in Athletic Training 1999 - 2000
Assisted with completion of the self-study document, and in the coordination and preparation for the site-visit.

Professional Organizations / Committees – International / National

National Athletic Trainers' Association Research and Education Foundation
Awards Recognition Task Force (Member) 2010-Present
Review and revise existing award mechanisms.

Fellows Award Committee (Chair, 2009 - present) 2008-Present
Review and make recommendations to the Board regarding the awarding of fellowship status.

Research Committee (Vice Chair for Student Grants 2009-present) 2006-Present
Review and make recommendations to the Board regarding all grant and research applications awarded through the Foundation; Review, approve and schedule all Free Communications for the Annual Meeting.

Research Retreat on ACL Injuries: The Gender Bias (IV & V)
Conference Director – 2008, 2010 meetings 2007 - Present
Plan and organize meeting, seek sponsors and outside funding to support meeting, review and selection of abstracts for presentation, program development, secure keynote speakers and moderators

World Congress of Sport Injury Prevention

Scientific Committee (2nd Congress Tromso, Norway 08; 3rd Congress, Monaco)

2006 – Present

The role of the scientific committee is to contribute to the planning phase of the meeting, review and selection of topic proposals, speaker selection.

National Athletic Trainers' Association

Convention Committee

2003-2007

Past Chair (2006-2007); Committee Chair (2004-2006); Chair Elect (2003-04). Oversee the planning and organization of the NATA's Annual Meeting and Clinical Symposia for ~10,000 attendees

Appropriate Medical Care for Secondary School Athletes Task Force

2002-2005

Writing Team / Research Consultant, Task Force Member. The mission of this task force (comprised of physician, allied health professional, and high school athletic administrative organizations) was to write a consensus statement and background document providing recommendation and guidelines for appropriate medical care of secondary school aged athletes.

Strategic Planning Task Force

2001-2002

Task Force Member; Team Leader for Strengthening Credibility and Visibility. To develop a strategic plan for the National Athletic Trainers' Association to clarify and strengthen professional and public identity; increase funding levels; and effectively address the employment reimbursement, education and regulatory issues affecting the membership.

Convention Committee

1998-2002

Organization and planning of educational programming for the NATA's Annual Meeting and Clinical Symposium; Clinical Program Sub-Committee Chair planning 65 Workshops, Dallas, TX - June, 2002; Clinical Program Sub-Committee Chair planning 16 Symposia Sessions, Los Angeles, CA - June, 2001; Clinical Program Sub-Committee Chair planning 12 Minicourses, Nashville, TN - June, 2000

Appropriate Medical Coverage for Intercollegiate Athletics Task Force

1998-2003

Writing Group Chair; Committee Member. To develop and publish recommendations and guidelines for appropriate medical coverage and care of intercollegiate athletes.

Pronouncements Committee

1997-2004

Committee member. Oversee the development, review and approval of NATA Position Statements on Lightning Safety (2000), Fluid Replacement (2000), Emergency Planning (2002), Exertional Heat Illness (2002), Spearing (2004), and Sport Related Concussion (2004).

Education Council - Entry Level Education Committee

1997-2000

Committee member. A sub-committee of the National Athletic Trainers' Association Education Council, providing direction, guidelines and resources for entry-level athletic training education programs.

District Secretary and Treasurer's Committee

1996-1999

Committee member. A committee comprised of the district secretaries and treasurers of the 10 districts of the NATA, to address membership, financial and organization issues.

College and University Athletic Trainers Committee

1994 – 1996

Committee member, 1994-1996; Task Force Member, 1993-94. Mission is to 1) promote institutional ownership in the integrated health care delivery system in intercollegiate athletics; 2) identify and address issues related to the health and safety of the student athlete; and 3) address concerns of the certified athletic trainer in the collegiate setting.

Joint Review Committee on Athletic Training Education Programs (JRC-AT)

Site-Visitor; Long Island University, Brooklyn, NY

Spring 2004

Site-Visitor; Northeastern University, Boston, MA

Spring 2005

American College of Sports Medicine

Member #126976

1998 - Present

National Strength and Conditioning Association

Certified Member

1988 - Present

REEBOK C.O.R.P.S. Program

Member

1991 - 1996

Professional Organizations / Committees - Regional

- Mid Atlantic Athletic Trainers' Association*** 1999 - Present
Certified Member
- Far West Athletic Trainers' Association*** 1980 - 1999
District Secretary-Treasurer (1996-1999)
College and University Athletic Trainers Committee, Chair (1994 - 1996)

Professional Organizations / Committees - State or Local

- North Carolina Athletic Trainer's Association*** 2002 - Present
Certified Member
- Virginia Athletic Trainer's Association*** 1999 - 2002
Certified Member
- California Athletic Trainer's Association*** 1985 - 1999
Treasurer: Political Action Committee (1987-1990)

Consultant / Panelist / Advisory Roles

- Samara Innovations LLC*** July 2008 – 2010
Consultant to assist in the development of a business opportunity and associated products in the area of athletic injury prevention, rehabilitation and performance improvement.
- International Olympic Committee; Lausanne, Switzerland*** February 2008
Participated on an International Expert Panel for Consensus Meeting on ACL Injury in the Female Athlete
- Oslo Sports Trauma Research Center, Norwegian School of Sports Sciences; Oslo Norway*** May 2007
Invited guest to participate in three day research retreat to critique and provide feedback on student research projects at the MS, PhD and Post Doctoral levels.
- University of Michigan Sports Injury Prevention Center*** August, 2006 – Present
Advisory Council Member: Assist with defining the research direction for the center. Participated in Inaugural symposium to open the center (May, 2007).
- Hunt Valley II: Consensus Conference on ACL Injury Prevention Programs*** January, 2005
Participant and Presenter: Impact of Prevention Programs on Agonist/Antagonist Strength Ratios
Sponsored by the American Orthopaedic Society for Sports Medicine; Atlanta, GA
- Greensboro Youth Soccer Sports Medicine Consortium*** September 2002 – Present
This non-profit group of sports medicine and fitness professionals are developing a web site and educational materials with the goal of "Soccer-related Injury Prevention through Education and Performance Enhancement"
- Sports Health Care Community Advisory Committee*** October 2002 – Present
Arizona School of Health Sciences; Mesa Arizona
The committee serves to insure the ASHS Sport Health Care Program remains in the professional forefront, exceeds accreditation requirements, attracts qualified students and faculty, and improves the health within their community, the nation and profession.
- AOSSM, NATA & NCAA Consensus Group on Non-Contact ACL Injury*** June 1999
Participant: Development of a Consensus Statement on Non-Contact ACL Injuries; Hunt Valley, MD
- National Collegiate Athletic Association*** 1996 - 2000
Participant: Anterior Cruciate Ligament Study Group
- Reebok Women's Sports Training Program*** 1995 -1996
Technical Consultant / Development Team
- United States Tennis Association - Player Development Program*** 1989 - 1992
Sports Science Advisor

Editorial

<i>Journal of Athletic Training</i>	2000 - Present
Section Editor: Byodynamics and Motor Control (July 2007 – Present)	
Editorial Board Member (August 2000 – July 2007)	
Editorial Assistant (September 1996 - May 2000)	
<i>Medicine and Science in Sport and Exercise</i>	2010 - Present
Editorial Board Member (May 2010 – Present)	
<i>Sports Health</i>	2008 - Present
Editorial Board Member (April 2008 – Present)	

Manuscript Reviewer

<i>American Journal of Sports Medicine</i>	2011
<i>British Journal of Sports Medicine</i>	2001, 2007, 2008
<i>Clinical Biomechanics</i>	2009, 2010
<i>Exercise and Sport Science Reviews</i>	2009
<i>Journal of Athletic Training</i>	1997 – Present
<i>Journal of Applied Biomechanics</i>	2011
<i>Journal of Biomechanics</i>	2006, 2008, 2010
<i>Journal of Bone and Joint Surgery</i>	2003
<i>Journal of Orthopaedic Research</i>	2006, 2008, 2010
<i>International Journal of Sports Medicine</i>	2006, 2007, 2011
<i>Medical Engineering and Physics</i>	2009
<i>Medicine and Science in Sport and Exercise</i>	2005, 2007-2011
<i>Neuroscience Letters</i>	2010
<i>Research Quarterly</i>	2006, 2009
<i>Scandinavian Journal of Sports Medicine</i>	2008
<i>Sports Medicine</i>	2006, 2010
<i>Women in Sport and Physical Activity</i>	2006

Grant Reviewer

<i>NIH-NIAMS ZRG1 F10B Study Section - NRSA Fellowships</i>	October 2011
Special Emphasis Grants Review Committee (1 primary review, 1 secondary review, 2 discussant reviews)	
<i>NIH-NIAMS ZRG1 F10B Study Section - NRSA Fellowships</i>	July 2011
Special Emphasis Grants Review Committee (1 primary review, 1 secondary review, 2 discussant reviews)	
<i>NIH-NIAMS ZRG1 F10B Study Section - NRSA Fellowships</i>	March 2011
Special Emphasis Grants Review Committee (1 primary review, 1 secondary review, 2 discussant reviews)	
<i>NIH-NIAMS ZRG1 F10B Study Section - NRSA Fellowships</i>	November 2010
Special Emphasis Grants Review Committee (1 primary review, 1 secondary review, 2 discussant reviews)	
<i>NIH-NIAMS AMS 1 - Arthritis and Musculoskeletal and Skin Diseases</i>	October 2007
Special Emphasis Grants Review Committee (1 primary review, 1 secondary review, 2 discussant reviews)	
<i>National Athletic Trainers' Association - Research and Education Foundation</i>	2000-Present
<i>University of Florida - Doctoral Student Grant Proposal</i>	2000

Book Reviewer

<i>Human Kinetics Publishers</i>	March 2001
Delforge, G. <u>Sports Injury Management: A Problem Solving Approach</u> . Human Kinetics: Champaign, IL	

Athletic Training Service

<i>Area Medical Coordinator</i>	
<i>United States Olympic Festival</i>	Los Angeles, July 1991
<i>Athletic Trainer</i>	
<i>USA Track and Field vs. Great Britain</i>	Edinburgh Scotland; June 1993
<i>Sunkist Indoor Track Meet</i>	Los Angeles; California 1985 - 1993
<i>PAC - 10 Women's Basketball All-Star Tour</i>	Belgium & France; August 1992

Volvo Men's Professional Tennis Tournament
World Cup / ADT London Marathon
Mobil / USA Track and Field National Championships
Women's International Ekiden
Los Angeles Times Indoor Track Meet
Games of the XXIII Olympiad

Los Angeles; August 1990 & 1991
London, England; April 1991
Cerritos, California; July 1990
Yokohama, Japan; February 1990
Los Angeles, California; 1985 - 1990
Los Angeles, California; July / August 1984

Professional Presentations – National / International

- 27th Annual Hawkeye Sports Medicine Symposium; Coralville, IA* *December 2011*
 ACL Injury Prevention Strategies: How Effective Are They?
 Update on ACL Injury Risk Factors
 Enhancing Hamstrings Co-activity Through Functional Training
- Special Operations Optimal Warfighter Performance Workshop; Kannapolis, NC* *August 2011*
 Symposium: “Can You Hear Me Now? Technical Writing for the Researcher”.
- National Athletic Trainers Association 62nd Annual Meeting and Clinical Symposium; New Orleans, LA* *June 2011*
 Symposium: “Can You Hear Me Now? Technical Writing for the Researcher”.
- National Athletic Trainers Association 61st Annual Meeting and Clinical Symposium; Philadelphia, PA* *June 2010*
 Symposium: “PRISMA Statement” in “Guidelines for Reporting Research”.
- American Physical Therapy Association, Combined Sections Meeting; San Diego, CA* *February 2010*
 Symposium: “ACL Injury Prevention Strategies” in “ACL Injury: A Multidisciplinary Approach to Prevention, Treatment and Assessment of Outcomes in 2010”.
- 2009 Sport Injury, Prevention and Rehabilitation International Seminar; Beijing Sport University, China* *July 2009*
 “Theories and Findings of Hormonal Risk Factors for ACL Injury”
 “Enhancing Hamstring Co-Activation through Functional Training”
- 2nd World Congress of Sport Injury Prevention; Tromso, Norway* *June 2008*
 “Anatomical and Postural Contributions to Knee Injury Risk – A Relationship That Remains Poorly Understood”
- National Athletic Trainers Association 59th Annual Meeting and Clinical Symposium; St Louis, MO* *June 2008*
Research Forum Symposium; Effective Strategies for Grant Writing
- Research Retreat IV: ACL Injuries – The Gender Bias; Greensboro, NC* *April 2008*
 Keynote Address: “Current Theory and Findings Related to Anatomical and Hormonal Risk Factors”
- International Olympic Committee Medical Commission Consensus Statement on ACL Injury in Female Athletes; Lausanne, Switzerland* *February 2008*
 “ACL Biology and Physiology”
 “Thigh Muscle Function and ACL Injury”
- National Athletic Trainers Association 58th Annual Meeting and Clinical Symposium ; Anaheim, CA* *June 2007*
 Symposium; Cycling Sex Hormones: Is There a Connection with ACL Injury?
 “Defining Menstrual Cycle Phase: The Ultimate Challenge” and “Cyclic Changes in Knee Laxity and Stiffness”
 Knee Special Interest Group: “Role of Thigh Muscles in Knee Stability” with T. Blackburn, PhD, ATC
- Oslo Sports Trauma and Research Center, Norwegian School of Sports Sciences; Oslo Norway* *May 2007*
 “Sex Differences in Lower Extremity Anatomy and Posture, Implications for ACL Injury”
- University of Michigan Sports Injury Prevention Center; Ann Arbor Michigan* *May, 2007*
 “ACL Injuries: What do We Still Need to Know in Order to Prevent Them?”
- International Sports Medicine Conference; University of Vermont* *October 2006*
 “Sex Hormones, Knee Laxity and ACL Injury Risks”
 “Sex Differences in Posture: Implications for Injury”
 “Management of Lower Extremity Postural Malalignment”
 “Role of Proprioception in Injury and Rehabilitation”
 “Enhancing Hamstring Co-Activation through Functional Training”
- American College of Sports Medicine Annual Meeting; Denver, CO* *June 2006*
 Clinical Colloquium: “Sex Hormones and Anterior Cruciate Ligament Injury and Biology”
- National Athletic Trainers' Association 55th Annual Meeting and Clinical Symposium; Baltimore, MD* *June, 2004*
 Symposium; “Advances in ACL Management; Influence of Sex Hormones on Knee Joint Function”

<i>American Medical Society of Sports Medicine; Vancouver, British Columbia</i>	<i>April, 2004</i>
<i>NATA Research Lecture Exchange; "ACL Injury in the Female Athlete: Assessment of Neuromuscular Risk Factors"</i>	
<i>National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposium; StLouis, MO</i>	<i>June, 2003</i>
<i>Distinguished Scholars Session; Freddie H. Fu, MD New Investigator Award Presentation, "ACL Injury in the Female Athlete: Assessment of Neuromuscular Risk Factors"</i>	
<i>National Athletic Trainers' Association 53rd Annual Meeting and Clinical Symposium; Dallas, TX</i>	<i>June, 2002</i>
<i>Researcher's Forum: "Quantification of Muscle Function - Electromyography"</i>	
<i>American College of Sports Medicine Annual Meeting; St.Louis, MO</i>	<i>May 2002</i>
<i>Mini-Symposium: "Update on ACL Injuries in the Female Athlete: Anatomical Risk Factors in ACL Injury"</i>	
<i>American College of Sports Medicine Annual Meeting; St. Louis, MO</i>	<i>May 2002</i>
<i>Mini-Symposium: "Proprioception: Mechanisms and Measurement"</i>	
<i>"Factors Influencing Reactive Neuromuscular Responses Following Lower Extremity Perturbation"</i>	
<i>16th Annual Hawkeye Sports Medicine Symposium and University of Iowa Inaugural Orthopaedic Sports Medicine Society Meeting for Orthopaedic Surgeons; Iowa City, IA</i>	<i>December 2000</i>
<i>"ACL Injuries in Female Athletes: Assessment of Risk Factors" &</i>	
<i>"Role of Hamstring Co-Activation in Preventing and Rehabilitating ACL Injuries."</i>	
<i>National Athletic Trainers' Association 51st Annual Meeting and Clinical Symposium; Nashville, TN</i>	<i>June 2000</i>
<i>"Enhancing Hamstring Co-Activity and Functional Knee Stability Through Training" (Workshop)</i>	
<i>National Athletic Trainers' Association 51st Annual Meeting and Clinical Symposium; Nashville, TN</i>	<i>June 2000</i>
<i>Specialty Day Symposium sponsored by the College and University Athletic Trainers Committee: "Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"</i>	
<i>American College of Sports Medicine Annual Meeting; Indianapolis, IN</i>	<i>May 2000</i>
<i>"Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"</i>	
<i>American Medical Society for Sports Medicine Annual Meeting; San Diego, CA</i>	<i>April 2000</i>
<i>"Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"</i>	
<i>National Association of Intercollegiate Athletics Annual Meeting</i>	<i>October 1999</i>
<i>"Appropriate Medical Coverage in Intercollegiate Athletics"</i>	
<i>National Athletic Trainers' Association 50th Annual Meeting & Clinical Symposium; Kansas City, MO</i>	<i>June 1999</i>
<i>"Enhancing Hamstring Co-Activity and Functional Knee Stability Through Training" (Workshop)</i>	
<i>American College of Sports Medicine 46th Annual Meeting; Seattle, WA</i>	<i>June 1999</i>
<i>Symposium on Anterior Cruciate Ligament Injury in the Female Athlete: "Gender Differences in Neuromuscular Response Characteristics Following Knee Perturbation in a Functional Weight Bearing Stance"</i>	
<i>NATA Annual Meeting and Clinical Symposia; Baltimore, MD</i>	<i>June 1998</i>
<i>"The Role of Dynamic Stability in Preventing Knee Ligament Injury: A Comparison of Neuromuscular Response Characteristics in Males and Females"</i>	
<i>NATA Annual Meeting and Clinical Symposia; Orlando, FL</i>	<i>June 1996</i>
<i>"Use of Sport Cord in Exercise and Rehabilitation"</i>	

Professional Presentations - Regional / State / Local

<i>University of Vermont</i>	<i>May 2009</i>
<i>"Implications of Hormone Mediated Knee Laxity on Knee Joint Neuromechanics"</i>	
<i>Mid-Atlantic Athletic Trainers Association Annual Meeting, Virginia Beach, VA</i>	<i>May 2009</i>
<i>Keynote Address: Hormonal Influences in ACL Injury – From Research to Reality</i>	
<i>University of Michigan Bone and Joint Injury Prevention Center</i>	<i>November 2008</i>
<i>"ACL Injury Risk in Female Athletes: Role of Anatomy and Hormones"</i>	
<i>35th Annual Art and Science of Sports Medicine Symposium; University of Virginia, Charlottesville</i>	<i>June 2008</i>
<i>"The Gender Bias in ACL Injuries: Current Concepts" and</i>	
<i>"Enhancing Hamstring Co-Activation Through Functional Training"</i>	
<i>UNC/UNCG/Duke Universities Human Movement Science Research Symposium, Chapel Hill, NC</i>	<i>February 2008</i>
<i>Keynote Address: "Shaping a Career Path: What I have Learned Through My Experiences"</i>	

<i>United States Army Research Internal and Environmental Medicine Center, Nantucket, MA</i> "Risk Factors for ACL Injury: What Do We Still Need to Know in Order to Prevent Them"	<i>January 2008</i>
<i>2002 University of Virginia General Clinical Research Center Scientific Symposium; Charlottesville</i> "Gender, Hormones and Anterior Cruciate Ligament Compliance"	<i>Oct 2002</i>
<i>The Distinguished Lecture Series in Sports Medicine; Hope College, Holland MI</i> "Strategies for Preventing Knee Injuries in Female Athletes"	<i>November 2002</i>
<i>29th Annual Art and Science of Sports Medicine Symposium; University of Virginia, Charlottesville</i> "Current Trends and the Gender Bias of ACL Injury"	<i>June 2002</i>
<i>Mid-Atlantic Athletic Trainers Association Annual Meeting; Virginia Beach, VA</i> "Implementation Strategies for Containing the Cost of Appropriate Medical Coverage"	<i>May 2002</i>
<i>Sports Medicine Expo; "Intra-Articular Tibio-Femoral Injuries in the Athlete"</i> <i>Middle Tennessee State University; Murfreesboro, TN</i> "Current Status of ACL Injuries in Female Athletes"	<i>April 2002</i>
<i>South Eastern Athletic Trainers Association Annual Meeting; Atlanta, GA</i> "Implementation Strategies for Containing the Cost of Appropriate Medical Coverage"	<i>March 2002</i>
<i>Virginia Horne Henry Lecture Series; University of Wisconsin, Madison WI</i> "Anterior Cruciate Ligament Injury in the Female Athlete: Assessment of Neuromuscular Risk Factors"	<i>March 2002</i>
<i>Southwest Athletic Trainers' Association Annual Meeting – Arlington, TX</i> "Update on Implementation of NATA Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>July 2001</i>
<i>Missouri Valley Conference Athletic Directors Educational Forum - Bronson, MO</i> "Review and Implementation Strategies of NATA Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>May 2001</i>
<i>Mid Atlantic Athletic Trainers' Association Annual Meeting - Greenville, SC</i> "Update on Implementation of NATA Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>May 2001</i>
<i>Pennsylvania State University Department of Kinesiology's Colloquium Series - State College, PA</i> "Neuromuscular Contributions to ACL Injury in the Female Athlete"	<i>March 2001</i>
<i>Pennsylvania State University Dept of Kinesiology's Student Athletic Training Club - State College, PA</i> "Professional Issues in Athletic Training"	<i>March 2001</i>
<i>South Eastern Athletic Trainers' Association Annual Meeting - Atlanta, GA,</i> "Update on Implementation of NATA Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>March 2000</i>
<i>Southwest Athletic Trainers' Association; Arlington, TX</i> "Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>July 2000</i>
<i>Mid Atlantic Athletic Trainers' Association Annual Meeting; Greenville, SC</i> "Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>May 2000</i>
<i>Mid Atlantic Athletic Trainers' Association Annual Meeting; Greenville, SC</i> "Anterior Cruciate Ligament Injury in the Female Athlete: Assessment of Risk Factors"	<i>May 2000</i>
<i>South Eastern Athletic Trainers' Association Annual Meeting</i> "Recommendations and Guidelines for Appropriate Medical Coverage in Intercollegiate Athletics"	<i>March 2000</i>
<i>University of Virginia 26th Annual Arts and Science of Sports Medicine Conference</i> "Anterior Cruciate Ligament Injury in the Female Athlete: Assessment of Risk Factors"	<i>June 1999</i>
<i>Joint Gait Lab / Sports Medicine Research Laboratories Neuromechanics Seminar; Univ. of Virginia</i> "Assessing Neuromuscular Response Characteristics at the Knee Following Perturbation in a Weight Bearing Stance"	<i>December 1998</i>
<i>FWATA Annual Meeting and Clinical Symposia; Honolulu, HI</i> "Neuromuscular Response Characteristics Following Knee Perturbation"	<i>July 1998</i>
<i>The Art and Science of Sports Medicine Post Graduate Course; University of Virginia</i>	<i>June 1997</i>

“Overtraining in Athletics: Recognition and Prevention”

<i>UCLA Extension: Japanese Sport Institute and Apple Sport College - Summer Intensive Program for Fitness Instructors; Los Angeles, CA</i>	<i>Summer 1994 & 1995</i>
" Prevention and Care of Athletic Related Injuries"	
" Reconditioning of Athletic Related Injuries"	
" Supportive Taping and Bracing Workshop"	
<i>UCLA Extension: ACSM Review Course; Los Angeles, CA</i>	<i>March 1994</i>
"Emergency Procedures, Prevention & Recognition of Injuries and Low Back Care"	
<i>UCLA 8th Annual Sports Medicine Symposium; Los Angeles, CA</i>	<i>May 1993</i>
"Functional Training of the Shoulder Complex"	
<i>AAF / CIF Coaches Educational Program; Los Angeles, CA</i>	<i>August 1991</i>
"Care and Prevention of Track and Field Injuries"	
<i>TRACC Sport Medicine 7th Anniversary Seminar on Women in Sport; Los Angeles, CA</i>	<i>October 1989</i>
"Strength Training: Developing a Program to Fit Your Needs"	
<i>AFAA Specialty Workshop on Low Weight / Low Impact Aerobics; Los Angeles, CA</i>	<i>September 1986</i>
"Principles of Strength Training"	
<i>Judi Garman's Softball Clinic For Coaches; Fullerton, CA</i>	<i>January 1985</i>
"Problems Particular to the Female Athlete"	
<i>California State University, Fullerton: Upper Division Athletic Training Courses</i>	<i>Fall 1983</i>
"Anorexia and Bulimia in Athletics"	

Conference / Symposium / Workshop Participant

<i>Moderator, Free Communications Session</i>	<i>June 2009</i>
National Athletic Trainers' Association Annual Meeting and Clinical Symposium, San Antonio, TX	
<i>Moderator, Free Communications Session</i>	<i>July 2008</i>
2 nd World Congress of Sport Injury Prevention, Tromso, Norway	
<i>Moderator, Free Communications Session “ACL Injury Risk Factors”</i>	<i>June 2008</i>
National Athletic Trainers' Association Annual Meeting and Clinical Symposium, St Louis, MO	
<i>Participant, Site Visitor Workshop</i>	<i>June 2004</i>
Joint Review Committee for Athletic Training Programs; Baltimore, MD	
<i>Moderator & Lead Discussant, ACL Injuries – The Gender Bias Research Retreat II.</i>	<i>April 2003</i>
Moderated the session on Hormonal Factors, Assisted with writing of the consensus statement for Neuromuscular Factors; Lexington, KY	
<i>Participant, Faculty Grant Writing Workshop</i>	<i>September 2002 – June 2003</i>
University of North Carolina at Greensboro, Greensboro, NC	
<i>Moderator, “Advance Track: Management of Acute Illness in the Athletic Training Room”</i>	<i>June, 2002</i>
National Athletic Trainers' Association Annual Meeting and Clinical Symposium, Dallas, TX	
<i>Moderator, "Update on ACL Injury Risk Factors and Prevention Strategies in the Female Athlete"</i>	<i>June, 2001</i>
National Athletic Trainers' Association Annual Meeting and Clinical Symposium, Los Angeles, CA	
<i>Moderator, J&J Symposium: "Valgus Overload Injury Continuum of the Elbow"</i>	<i>June, 2001</i>
National Athletic Trainers' Association Annual Meeting and Clinical Symposium, Los Angeles, CA	

Media Interviews

<i>WFMY Channel 2 “Who Wants to Know”</i>	<i>July 2008</i>
ACL Injury Prevention in Females	
<i>NY Times Magazine</i>	<i>May 11, 2008</i>
“Uneven Playing Field” by Mike Sokolov	

<i>Wake Forrest University (WFDD) Voices and Viewpoints with Denise Franklin</i> Radio interview highlighting recent NIH Grant award.	<i>October 2006</i>
<i>UNCG Research Magazine; University of North Carolina Greensboro</i> "Staying in the Game"; An article highlighting the research of Drs. Shultz and Perrin on ACL Injuries in Females	<i>May 2004</i>
<i>With Good Reason; Virginia Radio Broadcast –Charlottesville, VA</i> "Shaky Knees and Pain"; Discussing risk factors and care of knee injuries in females	<i>February 2002</i>
<i>Training and Conditioning Journal</i> "Unreasonable Expectations" Article addressing Appropriate Medical Coverage in Intercollegiate Athletics	<i>October 2001</i>
<i>Virginia Radio Network; Charlottesville VA</i> Radio Interview Discussing Current Research in Assessment of ACL Injury Risk in Females	<i>December 2000</i>
<i>Inside UVA</i> Interview for feature article "When Women Get Physical, Knees Take the Brunt of It", highlighting Perrin DH and Shultz SJ research and funding of ACL injury risk factors in the female athlete	<i>December 1, 2000</i>
<i>Daily Progress; Regional and State Section</i> Interview for feature article "UVa Receives \$275,000 grant to study knee injuries in women"	<i>December 1, 2000</i>
<i>WWKY.790 Radio Talk Show; Louisville, KY</i> Guest on "Active Lifestyles", Hosted by David Conrad	<i>December 1996</i>

HONORS and AWARDS

National

- 2008 Fellow (FACSM); American College of Sports Medicine*
- 2008 Fellow (FNATA); National Athletic Trainers' Association*
- 2005 Most Distinguished Athletic Trainer Award; National Athletic Trainers' Association*
- 2003 Freddie H. Fu, MD New Investigator Award; National Athletic Trainers' Association Research & Education Foundation*
- 2001 Journal of Athletic Training Kenneth L. Knight Award for the Outstanding Research Manuscript: "Neuromuscular Response Characteristics in Men and Women after Knee Perturbation in a Single-leg, Weight-bearing Stance"*

Regional

- National Athletic Trainers' Association Special Recognition Award, April 2001; For service to the profession of athletic training and the Far West Athletic Trainers' Association*

Local

- 2008 HHP Excellence in Research; School of Health and Human Performance, University of North Carolina at Greensboro*
- 2005 Gail A. Hennis Graduate Teaching Award; School of Health and Human Performance, University of North Carolina at Greensboro.*
- 2005 University Research Excellence Award; University of North Carolina at Greensboro*
- 2005 Summer Excellence Award; University of North Carolina at Greensboro*
- 2001 Summer Teaching Enhancement Award; University of Virginia*
- 1999 Mosaic Technologies Doctoral Student Award; University of Virginia*