

CURRICULUM VITAE

University of Idaho

NAME: Jeffrey G. Seegmiller

DATE: Sept, 11 2012

RANK OR TITLE: Associate Professor/Affiliate Associate Professor, University of Washington

DEPARTMENT: Movement Sciences/Neuroscience/WWAMI Medical Education

OFFICE LOCATION AND CAMPUS ZIP:

University of Idaho

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DATE OF FIRST EMPLOYMENT AT UI: August 2007

DATE OF TENURE: (2011) tenured

DATE OF PRESENT RANK OR TITLE: August 2007

EDUCATION BEYOND HIGH SCHOOL:

Degrees: (List most recent degree first: Degree, institution name, city, state, date, major or area of specialization.)

Doctor of Education, *Illinois State University, Normal, IL, May 2003*

Specialization: Research in Curriculum and Instruction, Athletic Training Education

Master of Science, *Illinois State University, Normal, IL, December 1996*

Specialization: Biomechanics, Athletic Training

Bachelor of Science, *Brigham Young University, Provo, UT, December 1994*

Specialization: Athletic Training

Certificates and Licenses:

Licensed Athletic Trainer, *Idaho Board of Medicine #AT-311*

Certified Athletic Trainer, *National Athletic Trainers Association #049502520*

EXPERIENCE:

Teaching, Extension and Research Appointments: (List position titles and locations since receipt of Bachelor's degree)

Assistant Professor

Department of Movement Sciences

WWAMI Medical Education

University of Idaho, Moscow, ID

August 2007 to Present

Assistant Professor

School of Applied Health Sciences and Wellness

Ohio University, Athens, OH

September 2003 to June 2007

Instructional Assistant Professor
Department of Kinesiology
Illinois State University, Normal, IL
August 1999 to May 2003

Instructor
Department of Health, Physical Education, Recreation, and Dance
West Texas A&M University, Canyon, TX
July 1997 to July 1999

Academic Administrative Appointments: (List position titles and locations since receipt of Bachelor's degree)

Course Chair, Musculoskeletal Anatomy, WWAMI Medical Education
University of Idaho, Moscow, ID
August 2009-present

Graduate Athletic Training Education Program Coordinator
Ohio University, Athens, OH
October 2003 to June 2007

Clinical Coordinator
Illinois State University, Normal, IL
August 1999 to May 2003

Undergraduate Program Director
West Texas A&M University, Canyon, TX
July 1997 to July 1999

Non-Academic Employment including Armed Forces: (List title, brief description, date)

Head Certified Athletic Trainer
West Texas A&M University, Canyon, TX
July 1997 to July 1999

Managed all phases of athletic training for 350+ athletes in fourteen Division II sports including the maintenance of medical records and facilitation of insurance billing. Also served as site coordinator for NCAA drug testing team.

Head Certified Athletic Trainer
University High School, Normal, IL
August 1995 to December 1996

Managed all phases of athletic training for seven high school sports involving 150 student athletes.

Certified Athletic Trainer, Part-time Assistant
Washington Redskins Professional Football Team, Ashburn, VA
April 1995 to August 1995

Assisted full-time training staff in all phases of athletic training for a professional football team.

Certified Athletic Trainer
Center for Orthopaedic & Sports Physical Therapy, Sterling, VA
January 1995 to August 1995

Assisted physical therapist in rehabilitative care of athletes in the clinical setting and developed fitness programs for post-rehab patient clientele.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Anatomy, Athletic Training, Biomechanics

Courses Taught: (title, course number, date(s))

University of Idaho, Moscow, ID

Professional & Post-Professional Ed. in Athletic Training (AT 606)	Summer 2011
Seminar in Athletic Training (AT 610)	Summer 2011
Clinical Research in Athletic Training (AT 620)	Summer 2011
Internship (PEP 598)	Summer 2011
Athletic Training Rehabilitation (H&S 467)	Spring 2011-present
Functional Anatomy (H&S 404)	Summer 2010-present
Anatomy & Embryology I (MED S 511)	Fall 2007-present
Anatomy & Embryology II (MED S 531)	Spring 2008-present
Musculoskeletal Anatomy (MED S 553)	Spring 2008-present
Athletic Training Organization & Administration (H&S 469)	Spring 2008-present
Therapeutic Modalities (H&S 468)	Fall 2007-present
Biomechanics Pilot Project (PEP 599)	Spring 2009
Doctoral Research & Dissertation (PEP 600)	Spring 2010-present
Non-Dissertation Doctoral Research (PEP 699)	Fall 2009-present
DS: Research Methods in Biomechanics I (Neur 502/PEP 502)	Fall 2009
Research in Neurobiology (Neur 590)	Fall 2009
Seminar in Athletic Training (H&S 470/HS 400)	Fall 2008-Spring 2009
Applied Human Anatomy & Biomechanics (PEP 300)	Spring 2008

Ohio University, Athens, OH

Athletic Training Research I (RSAT 671)	Fall 2005-Fall 2006
Instructional Experience (RSAT 518A)	Winter 2004-Fall 2006
Medical Aspects (RSAT 651)	Fall 2004-Fall 2006
Practicum (RSAT 650)	Winter 2004-Fall 2006
Research Methods and Statistics (PESS 608)	Summer 2005-Summer 2006
Administrative Aspects of Clinical Supervision (RSAT 640)	Summer 2004-Summer 2006
Special Problems (RSAT 611)	Winter 2004-Spring 2006
Advanced Theory in Therapeutic Modalities (RSAT 655)	Spring 2006
Research Seminar in Athletic Training (RSAT 680)	Spring 2006
Biomechanics of Sport Injury Rehabilitation (RSAT 621)	Winter 2006
Athletic Training Research II (RSAT 672)	Winter 2006
Interdisciplinary Aspects of Sports Medicine (RSAT 305)	Fall 2005
Guided Independent Study (RSAT 600)	Fall 2004-Fall 2005
Research Dynamics (PESS 593)	Winter 2004-Spring 2005
Manual Muscle Testing (RSAT 605)	Spring 2005
Seminar in Sports Medicine (RSAT 635)	Spring 2004-Spring 2005
Therapeutic Modalities (RSAT 625)	Spring 2004-Spring 2005
Therapeutic Exercise (RSAT 620)	Winter 2004-Winter 2005
Seminar in Athletic Training (RSAT 691)	Winter 2005
Emergency Response in Athletic Training (RSAT 215)	Fall 2004
Clinical Applications in Sports Medicine I (RSAT 280)	Fall 2003
Clinical Applications in Sports Medicine IV (RSAT 380)	Fall 2003
Orthopedic Assessment (RSAT 610)	Fall 2003

Illinois State University, Normal, IL

Administration of Athletic Training	Spring 2000-Spring 2003
Anatomy & Physiology	Fall 1999-Spring 2003
Prevention & Care of Athletic Injuries	Fall 2000-Spring 2003
Clinical Courses	Fall 1999-Spring 2002
Introduction to Athletic Training	Fall 1999-Spring 2003
Therapeutic Exercise	Fall 1999-Spring 2002

West Texas A&M University, Canyon, TX

Advanced Athletic Training
 Beginning Athletic Training
 Therapeutic Modalities
 Exercise Physiology

Spring 1998-Spring 1999
 Fall 1997-Spring 1999
 Fall 1997-Spring 2000
 Spring 1999

Students Advised:**Undergraduate Students:** (advised to completion of degree, number per year)

18 advisees during the 2010-2011 academic year
 32 advisees during the 2009-2010 academic year
 24 advisees during the 2008-2009 academic year
 24 advisees during the 2007-2008 academic year

Undergraduate Internship Mentor, [REDACTED] BS, HPERD, University of Idaho, 2009

Graduate Students:**Advised to completion of degree-major professor (student name, degree, and date)**

Major Professor, [REDACTED] College of Education, University of Idaho, 2008- present

Advised for part of course of study (student name, degree, and date)

Major Professor, [REDACTED] PhD, College of Education, University of Idaho, 2009-2011
 Co-Major Professor, [REDACTED] PhD, Neuroscience, University of Idaho, 2009-2010
 Major Professor, [REDACTED] PhD, Neuroscience, University of Idaho, 2009-2010

Served on graduate committee (student name, degree, and date)

Theses committee member, [REDACTED] MS, Biology, University of Idaho, 2010-present
 Dissertation committee member, [REDACTED] PhD, Neuroscience, University of Idaho 2010-present
 Thesis committee member, [REDACTED] MS, Mechanical Engineering, University of Idaho, 2010
 Dissertation committee member, [REDACTED] PhD Exercise Science, University of Idaho, 2008-2010
 Dissertation committee member, [REDACTED] PhD, Education, University of Idaho, 2007
 Thesis committee member, [REDACTED] MS, Mechanical Engineering, University of Idaho, 2007
 Dissertation committee member, [REDACTED] PhD, Ohio University, 2007-2010
 Thesis committee member, [REDACTED] MS, Ohio University, 2006
 Dissertation committee member, [REDACTED] PhD, Ohio University, 2004-2007
 Dissertation committee member, [REDACTED] EdD, Ohio University, 2004-2007
 Dissertation committee member, [REDACTED] PhD, Ohio University, 2003-2005
 Dissertation committee member, [REDACTED] PhD, Ohio University, 2003-2005
 Thesis chair, [REDACTED] MS, Ohio University, 2006
 Thesis chair, [REDACTED] MS, Ohio University, 2003-2004
 Thesis chair, [REDACTED] MS, Ohio University, 2003-2004
 Thesis co-chair, [REDACTED] MS, Illinois State University, 2000-2001

Biomedical summer student research mentoring

[REDACTED] (INBRE Fellow), **Seegmiller J (mentor)**. (2012). Incidence and severity of Musculoskeletal Injuries in rural overweight and obese pediatric patients.
 [REDACTED] (INBRE Fellow), **Seegmiller J (mentor)**. (2011). Value of standardized concussion screening and management for high school and college athletes: A descriptive study of healthcare professionals.
 [REDACTED] (mentee), **Seegmiller J (mentor)**. (2010). The incidence and use of platelet rich plasma in orthopedic surgery in Idaho and Washington.
 [REDACTED] (mentee), **Seegmiller J (mentor)**. (2010). Diet Recall and Biomechanical Bone Markers Among 7-12 Year Olds.
 [REDACTED] (mentee), **Seegmiller J (mentor)**. (2009). The effect of pediatric bone markers on the etiology of osteoporosis.

Materials Developed: (non-scholarship activity)

Doctor of Athletic Training degree proposal, Moscow, ID – 2010
 Course Web Pages, University of Idaho, Moscow, ID 8/07-present
 Graduate Athletic Training Program Web Pages, Ohio University, Athens, OH 9/03-5/07

Courses Developed:

Professional & Post-Professional Education in Athletic Training (AT 606)	2010-2011
Seminar in Athletic Training (AT 610)	2010-2011
Seminar in Athletic Training II (AT 611)	2010-2011
Clinical Research in Athletic Training (AT 620)	2010-2011
Clinical Research in Athletic Training II (AT 621)	2010-2011
Clinical Research in Athletic Training III (AT 622)	2010-2011
Clinical Research in Athletic Training IV (AT 623)	2010-2011
Clinical Research in Athletic Training V (AT 624)	2010-2011
Clinical Research in Athletic Training VI (AT 625)	2010-2011
Current Issues in Clinical Practice I (AT 630)	2010-2011
Current Issues in Clinical Practice II (AT 631)	2010-2011
Current Issues in Clinical Practice III (AT 632)	2010-2011
Current Issues in Clinical Practice IV (AT 633)	2010-2011
Clinical Residency I (AT 640)	2010-2011
Clinical Residency II (AT 641)	2010-2011
Clinical Residency III (AT 642)	2010-2011
Clinical Residency IV (AT 643)	2010-2011
Functional Anatomy (H & S 404)	Spring/Summer 2010
Biomechanics Pilot Project (PEP 599)	Spring 2009
Musculoskeletal Anatomy (MED S 553)	Summer 2008

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:

Seegmiller JG. Pre and Post Intervention Measures of Bone Strength Among 7-12 year old girls. MMBR Seminar, Invited Lecture. University of Idaho, October, 2010.
 Seegmiller JG, Nasypany A. Foot and Ankle Anatomy and Biomechanics. Pullman Regional Hospital. Invited Seminar, April 2010.
 Seegmiller JG, Nasypany A. Foot and Ankle Anatomy and Biomechanics. Pullman Regional Hospital. Invited Seminar, March 2010.
 Seegmiller JG. Low Power Lasers in Athletic Training Clinical Practice. Rocky Mountain Athletic Trainers Association Meeting, Salt Lake City, UT. Invited Presentation, April 2006.
 Seegmiller JG. Kinetics and Kinematics of Landings. Brown Bag Lunch Research Presentation, Ohio University. Invited Lecture, October 2005.

Honors and Awards:

Outstanding Teacher of the Year Award. WWAMI Medical Education, May 2012.

Outstanding Teacher of the Year Award. WWAMI Medical Education, May 2011.

University of Idaho, Nominated for Supervisor of the Year Award - 2010

College of Health and Human Services Research and Creative Activity Award nominee – 2005

Nominated for Outstanding University Teacher Award, Illinois State University-2001

Kappa Delta Pi, Mu Chapter, Honor Society in Education, Illinois State University - 2000

SCHOLARSHIP ACCOMPLISHMENTS:

Refereed/Adjudicated Publications: (i.e. books, book chaps., journals, proc., abstr., etc.; provide citations- author, date, title, publisher)

Journals:

Baker RT, Nasypany A, **Seegmiller J**, & Baker J: Treatment of Acute Torticollis Using Positional Release Therapy: A Case Series - Part 2. (In Press International Journal of Athletic Therapy and Training.

Baker RT, Nasypany A, Seegmiller J, & Baker J: Treatment of Acute Torticollis Using Positional Release Therapy: A Case Series - Part 1. (In Press). International Journal of Athletic Therapy and Training.

Baker RT, Nasypany A, **Seegmiller J**, & Baker J. The mulligan concept: Mobilizations with movement. (In Press). International Journal of Athletic Therapy and Training.

Dominguese DJ, **Seegmiller JG**, Krause AB Alterations in Peak Ground-Reaction Force During 60-cm Drop Landings Caused by a Single Session of Repeated Wingate Anaerobic Tests. J Sport Rehab. (In press)

Dicus JR, **Seegmiller JG**. Unanticipated Ankle Inversions are Significantly Different From Anticipated Ankle Inversions During Drop Landings: Overcoming Anticipation Bias. J Appl Biomech. 2012 May;28(2):148-55. Epub 2011 Aug 26. 8-2011

Batchelder BC, Krause BA, **Seegmiller JG**, Starkey CA. Gastrointestinal Temperature Increases and Hypohydration Exists After Collegiate Men's Ice Hockey Participation. Journal of Strength & Conditioning Research, 2010; 24:68-73.

Busfield BT, Kharrazi FD, Starkey C, Lombardo SJ, **Seegmiller JG**. Performance Outcomes of Anterior Cruciate Ligament Reconstruction in the National Basketball Association. Arthroscopy: The Journal of Arthroscopy and Related Surgery, 2009; 25:825-830.

Enemark-Miller EA, **Seegmiller JG**, Rana SR. Physiological Fitness Profile of a Division One Women's Lacrosse Team. Journal of Strength & Conditioning Research, 2009; 23:39-43.

Seegmiller JG, Stechschulte D, Martin T. Loop strap type does not affect facemask removal using an anvil pruner. Internet Journal of Allied Health Sciences and Practice, 2008; 6.

Seegmiller JG. Perceptions of Quality for Post-Certification Graduate Education. Journal of Athletic Training, 2006; 41:415-421.

Hopkins JT, McLoda TA, **Seegmiller JG**, Baxter, GD. Low-level laser therapy facilitates superficial woundhealing in humans: a triple-blind, sham-controlled study. Journal of Athletic Training, 2004; 39:223-229.

Thomas DQ, **Seegmiller JG**, Cook TL, Young BA. Physiologic Profile of the Fitness Status of Collegiate Cheerleaders. Journal of Strength and Conditioning Research, 2004; 18: 252-254.

Seegmiller JG, McCaw ST. Ground reaction forces among gymnasts and recreational athletes in drop landings. Journal of Athletic Training, 2003; 38: 311-314.

Seegmiller, JG. A Model for Clinical Education in Athletic Training. Internet Journal of Allied Health Sciences and Practice, 2003. Volume 1, ISSN 1540-580X.

Abstracts and Proceedings:

Seegmiller JG, Shoebridge N, Hansen B, Scruggs P, Paul D. Pre and Post Intervention Measures of Bone Strength Among 7-12 Year Olds [abstract]. *Medicine & Science in Sports and Exercise*, 2010;42(5):705.

Dominguese DJ, **Seegmiller** JG, Clevidence MW, Krause BA. A single session of repeated bouts of muscle fatigue caused alterations in peak ground reaction force during 60 cm drop landings [abstract]. *Medicine & Science in Sports and Exercise*, 2010;42(5):686.

Batchelder BC, Krause BA, **Seegmiller** JG, Starkey Cs, Jones AE. Dehydration and Core Temperature Increases Observed in Collegiate Ice Hockey Players [abstract]. *Journal of Athletic Training*, 2007;42(2): S-54.

Fairbrother BL, Krause, BA, **Seegmiller** JG, Starkey CS. The Function of the Gastrocnemius During a Single Leg Jump Landing [abstract]. *Journal of Athletic Training*, 2007;42(2): S-87.

Feher AW, Krause BA, **Seegmiller** JG, Kushnick MR. Ice towel application did not decrease core body temperature following moderate to vigorous exercise [abstract]. *Journal of Athletic Training*, 2007;42(2): S-53.

Kane AE, **Seegmiller** JG, Krause BA. Ankle Prophylaxes do not Prevent Significant Anterior Ankle Thranslation Measured by the KT-2000 [abstract]. *Journal of Athletic Training*, 2007;42(2): S-9, S-12.

Kutella PK, **Seegmiller** JG, Krause BA. Physiological and Psychological Response of Athletic Trainer's Behavior During Emergency Facemask Removal [abstract]. *Journal of Athletic Training*, 2007;42(2): S-98.

McGivern BT, Krause BA, **Seegmiller** JG. Cryokinetics Facilitates the Soleus Hoffmann Reflex [abstract]. *Journal of Athletic Training*, 2007;42(2): S-64.

Seegmiller JG. Concepts of Quality for Post-Certification Graduate Education [abstract]. *Journal of Athletic Training*, 2004; 39(2): S-50.

Miller AL, Thomas DQ, Young BA, Holmes TL, Rudsell TK, **Seegmiller** JG. Muscular fitness profile of collegiate cheerleaders [abstract]. *Research Quarterly for Exercise and Sport*, March 2003.

Young BA, Thomas DQ, Miller AL, Holmes TL, Rudsell TK, **Seegmiller** JG. Body composition and aerobic fitness profile of collegiate cheerleaders [abstract]. *Research Quarterly for Exercise and Sport*, March 2003.

Peer Reviewed/Evaluated Publications: (i.e. journals, articles, proceedings, abstracts, etc.)

Journals:

Seegmiller JG. Ethical Considerations for Graduate Assistantships in Athletic Training. *Athletic Therapy Today*, 2007, 12(4):1.

Seegmiller JG. Electronic Portfolios for Athletic Training Education. *NATA News*, July 2006: 39.

Abstracts and Proceedings:

Croschere TM, Paul D, **Seegmiller** JG. Incidence and Severity of Musculoskeletal Injuries in Rural Overweight and Obese Pediatrics in Idaho. *Western Student Medical Research Forum proceedings* (accepted for 2013 conference).

Cooperrider J, **Seegmiller** JG. The Incidence of Zurich Concussion Guidelines Use in Sports Medicine in Idaho and Washington. Western Student Medical Research Forum proceedings, 2012.

Butikofer S, **Seegmiller** JG. The Incidence of Use of Platelet Rich Plasma in Orthopedic Surgery in Idaho and Washington. Western Student Medical Research Forum proceedings, 2011.

Shelton T. **Seegmiller** JG. A comparison of InterX Therapy Device to Other Electrical Modalities. Presentation, North West Athletic Trainers Association March 24-27, 2011

Loch K, **Seegmiller** JG, Shoebridge N, Hansen B, Scruggs PW, Paul DR, Seegmiller JA. Diet Recall and Biomechanical Bone Markers Among 7-12 Year Olds. Poster presented at the 9th Annual Idaho INBRE IDeA Network of Biomedical Research Excellence Research Conference proceedings, 2010.

Tenbrink J, **Seegmiller** J, Doran E, Ordway L, Smith L, Cortez-Gau E. The Effects of a Weighted Vest and Belt on Landing Mechanics; North West Biomechanics Symposium proceedings, 2010.

Thompson MA, Sahin Z, Doran ER, **Seegmiller** JG, Browder KD; Effects of Barefoot and Shod Running on Joint Kinetics with Control of Stride Length and Velocity proceedings. North West Biomechanics Symposium, 2010.

Dominguese DJ, **Seegmiller** JG, Clevidence MW, Krause BA. A Single Session of Repeated Wingate Anaerobic Tests Caused Alterations in Peak Ground Reaction Force during 60 cm Drop Landings. ACL Research Retreat V proceedings, University of North Carolina-Greensboro, 2010.

Conley A, **Seegmiller** JG, Nasypany AM. Effects of Cryotherapy, Cryostretch, Cryokinetics, And Cryostretch/ kinetics With Pain, Strength, Range of Motion, And Limb Volume as Applied to Delayed Onset Muscle Soreness. NWATA Annual conference [abstract], 2010.

Martschinske J, **Seegmiller** JG, Nasypany A. Effects of Inferential Stimulation, Cryotherapy, and a Combination Treatment on Pain, Strength, Range of Motion, and Limb Volume as Applied to Delayed Onset Muscle Soreness. Northwest Athletic Trainer's Association Annual Meeting [abstract], 2009.

Bresly A, **Seegmiller** JG, Nasypany A. Effect of Augmented Muscle Training on Onset of The Quadriceps Muscle Group. Northwest Athletic Trainer's Association Annual Meeting [abstract], 2008

Dalsin D, Seegmiller JG, Krause BA, Dominguese DJ. Head Movement within an Immobilized Hockey Helmet. Student Research and Creative Activity Expo, Ohio University [abstract], 2007.

Batchelder BC, Krause BA, Seegmiller JG, Starkey C, and Jones AE. Dehydration and Core Temperature Increases are Observed in Collegiate Ice Hockey Players. Ohio Athletic Trainers Association State Symposium [abstract], 2006.

Dicus JR, Seegmiller JG. Kinetic and Kinematic Differences in Expected and Unexpected Drop Landing Ankle Inversion. Ohio Athletic Trainers Association State Symposium [abstract], 2006.

Feher AW, Krause BA, Seegmiller JG, Kushnick MR. Ice towel application did not decrease core body temperature following moderate to vigorous exercise. Ohio Athletic Trainers Association State Symposium [abstract], May 2006.

Finnegan EK, Gladwell C, Seegmiller JG, Starkey CA. The Effects of Q-Angle, IT-Band Tightness, and Foot Arch on Knee Pain in Different Levels of Collegiate and Professional Ballet Dancers. Ohio Athletic Trainers Association State Symposium [abstract], 2006.

Schublova M, Seegmiller JG. The Effect of Caffeine on Reaction Time of Peroneus Longus Muscle During Sudden Ankle Inversion. Ohio Athletic Trainers Association State Symposium

[abstract], 2005.

Seegmiller JG, McLoda TA. Electronic Portfolios in Athletic Training Education [abstract]. Conference Proceedings, NATA Athletic Training Educators' Conference, January 2003.

Other:

New Curricula Developed:

Doctor of Athletic Training curriculum, Department of Movement Sciences, University of Idaho, Moscow, ID – 2010-2011

Musculoskeletal Anatomy, WWAMI Medical Education, Moscow, ID- 2009-2010

Refereed/Adjudicated Publications (currently scheduled or submitted): (provide citations)

Seegmiller J, Nasypany A, Kahanov L, Seegmiller J. Trends in Doctoral Education Among Health Professions: Why Athletic Trainers Should Care. [Corresponding author, submitted for publication 6-1-2011, Journal of Athletic Training].

Dominguese DJ, **Seegmiller JG**, Clevidence MW, Krause BA. A Single Session of Repeated Wingate Anaerobic Test Caused Alterations in Peak Ground Reaction Force During Drop Landings. [In Press].

Manuscripts in Preparation

Seegmiller JG, Shoebridge N, Hansen B, Scruggs P, Paul D. Pre and Post Intervention Measures of Bone Strength Among 7-12 Year Old Girls.

Seegmiller JG, Butikofer S. Incidence and use of platelet-rich plasma among orthopedic surgeons in Idaho and Washington: a cross-sectional study.

Professional Meeting Papers, Workshops: (provide date and location)

Butikofer S, **Seegmiller JG**. The Incidence of Use of Platelet Rich Plasma in Orthopedic Surgery in Idaho and Washington. Western Student Medical Research Forum, presentation, Carmel CA. January 27-29, 2011

Loch K, **Seegmiller JG**, Shoebridge N, Hansen B, Scruggs PW, Paul DR, Seegmiller JA. Diet Recall and Biomechanical Bone Markers Among 7-12 Year Olds. 9th Annual Idaho INBRE IDEa Network of Biomedical Research Excellence Research Conference, poster presentation, August 2-4, 2010.

Seegmiller JG, Shoebridge N, Hansen B, Scruggs P, Paul D. Pre and Post Intervention Measures of Bone Strength Among 7-12 Year Old Girls. American College of Sports Medicine, poster presentation, June 1-5, 2010.

Dominguese DJ, **Seegmiller JG**, Clevidence MW, Krause BA. A single session of repeated wingate anaerobic tests caused alterations in peak ground reaction force during 60-cm drop landings. American College of Sports Medicine Annual Meeting, poster presentation, June 1-5, 2010.

Tenbrink J, **Seegmiller J**, Doran E, Ordway L, Smith L, Cortez-Gau E. The Effects of a Weighed Vest and Belt on Landing Mechanics; North West Biomechanics Symposium May 2010

Thompson MA, Sahin Z, Doran ER, **Seegmiller JG**, Browder KD; Effects of Barefoot and Shod Running on Joint Kinetics with Control of Stride Length and Velocity. North West Biomechanics Symposium, May 2010.

Dominguese DJ, **Seegmiller JG**, Clevidence MW, Krause BA. A Single Session of Repeated Wingate Anaerobic Tests Caused Alterations in Peak Ground Reaction Force during 60 cm Drop Landings. ACL Research Retreat V. University of North Carolina-Greensboro. Oral presentation. March 25-27, 2010.

Conley A, **Seegmiller JG**, Nasypany AM. Effects of Cryotherapy, Cryostretch, Cryokinetics, And Cryostretch/ kinetics With Pain, Strength, Range of Motion, And Limb Volume as Applied to Delayed Onset Muscle Soreness. NWATA Annual conference, March 16th, 2010

Martschinske J, **Seegmiller** JG, Nasypany A. Effects of Inferential Stimulation, Cryotherapy, and a Combination Treatment on Pain, Strength, Range of Motion, and Limb Volume as Applied to Delayed Onset Muscle Soreness. Northwest Athletic Trainer's Association Annual Meeting, Seaside OR. March 27-29, 2009.

Hoch MC, Doeringer JR, Krause BA, **Seegmiller** JG. Effects of Functional Fatigue on the Soleus Hoffmann Reflex in Subjects with Functional Ankle Instability. National Athletic Trainers' Association 59th Annual Meeting & Clinical Symposium, St. Louis, MO. Poster Presentation. June 21, 2008.

McIntire MK, **Seegmiller** JG, Krause BA, Dicus J. Effect of Cryotherapy on Peroneal Tendon Latency During Unexpected Ankle Inversion in Healthy Subjects. National Athletic Trainers' Association 59th Annual Meeting & Clinical Symposium, St. Louis, MO. Poster Presentation. June 21, 2008.

Bresly A, **Seegmiller** JG, Nasypany A. Effect of Augmented Muscle Training on Onset of The Quadriceps Muscle Group. Northwest Athletic Trainer's Association Annual Meeting, Bellevue, WA. April 22, 2008

Batchelder BC, Krause BA, **Seegmiller** JG, Starkey Cs, Jones AE. Dehydration and Core Temperature Increases Observed in Collegiate Ice Hockey Players. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Oral Presentation. June 2007.

Fairbrother BL, Krause, BA, **Seegmiller** JG, Starkey CS. The Function of the Gastrocnemius During a Single Leg Jump Landing. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Poster Presentation, June 2007.

Feher AW, Krause BA, **Seegmiller** JG, Kushnick MR. Ice towel application did not decrease core body temperature following moderate to vigorous exercise. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Oral Presentation. June 2007.

Kane AE, Seegmiller JG, Krause BA. Ankle Prophylaxes do not Prevent Significant Anterior Ankle Translation Measured by the KT-2000. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Oral Presentation. June 2007.

Kutella PK, Seegmiller JG, Krause BA. Physiological and Psychological Response of Athletic Trainer's Behavior During Emergency Facemask Removal. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Poster presentation. June 2007.

McGivern BT, Krause BA, Seegmiller JG. Cryokinetics Facilitates the Soleus Hoffmann Reflex. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, Anaheim, CA. Oral Presentation. June 2007.

Dalsin D, Seegmiller JG, Krause BA, Dominguese DJ. Head Movement within an Immobilized Hockey Helmet. Student Research and Creative Activity Expo, Ohio University, Athens, OH. May 2007.

Batchelder BC, Krause BA, Seegmiller JG, Starkey C, and Jones AE. Dehydration and Core Temperature Increases are Observed in Collegiate Ice Hockey Players. Ohio Athletic Trainers Association State Symposium, Cincinnati, OH. May 2006.

Dicus JR, Seegmiller JG. Kinetic and Kinematic Differences in Expected and Unexpected Drop Landing Ankle Inversion. Ohio Athletic Trainers Association State Symposium, Cincinnati, OH. May 2006.

Feher AW, Krause BA, Seegmiller JG, Kushnick MR. Ice towel application did not decrease core body temperature following moderate to vigorous exercise. Ohio Athletic Trainers Association State Symposium, Cincinnati, OH. May 2006.

Finnegan EK, Gladwell C, Seegmiller JG, Starkey CA. The Effects of Q-Angle, IT-Band Tightness, and Foot Arch on Knee Pain in Different Levels of Collegiate and Professional Ballet Dancers. Ohio Athletic Trainers Association State Symposium, Cincinnati, OH. May 2006.

Seegmiller JG. Low Level Laser Therapy. Rocky Mountain Athletic Trainer's Association Meeting, Salt Lake City, UT. April 2006.

Schublova M, Seegmiller JG. The Effect of Caffeine on Reaction Time of Peroneus Longus Muscle During Sudden Ankle Inversion. Ohio Athletic Trainers Association State Symposium, Canton, OH. April 2005.

Seegmiller JG. Concepts of Quality for Post-Certification Graduate Education. National Athletic Trainers' Association 55th Annual Meeting & Clinical Symposium, Baltimore, MD. June 2004.

Miller, AL, Thomas, DQ, Young, BA, Holmes, TL, Rudsell, TK, Seegmiller, JG. Muscular fitness profile of collegiate cheerleaders. AAHPERD Conference, Philadelphia, PA. April 2003.

Young, BA, Thomas, DQ, Miller, AL, Holmes, TL, Rudsell, TK, Seegmiller, JG. Body composition and aerobic fitness profile of collegiate cheerleaders. AAHPERD Conference, Philadelphia, PA. April 2003.

Seegmiller, JG, McLoda, TA, Godfrey, WJ. Electronic Portfolios in Athletic Training Education, NATA Athletic Training Educators' Conference, Montgomery, TX. January 2003.

Grants and Contracts Awarded: (provide principal and co investigators, title, sponsor, funding dates, amount)

Cooperrider J (mentee), **Seegmiller J (mentor)**. (2011). Value of standardized concussion screening and management for high school and college athletes: A descriptive study of healthcare professionals. INBRE Summer Research Fellow Program, 5/6/11-8/3/11. \$8,000.00.

Butikofer S (mentee), **Seegmiller J (mentor)**. (2010). The incidence and use of platelet rich plasma in orthopedic surgery in Idaho and Washington. Medical Student Research Training Program, 5/10-8/10. \$5,000.00.

Loch K (mentee), **Seegmiller J (mentor)**. (2010). Diet Recall and Biomechanical Bone Markers Among 7-12 Year Old. Idaho INBRE IDeA Network of Biomedical Research Program, 5/10-8/10. \$7,000.00.

Hansen B (mentee), **Seegmiller J (mentor)**. (2009). The effect of pediatric bone markers on the etiology of osteoporosis. Idaho INBRE IDeA Network of Biomedical Research Program, 5/09-8/09. \$5,000.00.

Seegmiller JG, Paul P, Scruggs P. (2009). Pre and Post Intervention Measures of Bone Strength Among 7-12 Year Old Girls. Funded by the Institute of Translational Health Sciences, \$14,000.00.

Martschinske JL, **Seegmiller JG**, Nasypany A, Rey B. (2008). Effects of Interferential Stimulation, Cryotherapy, And a Combination Treatment With Pain, Strength, Range of Motion, And Girth as Applied to Delayed Onset Muscle Soreness. University of Idaho. Funded, \$5,000.

Bresly A, **Seegmiller J**, Nasypany A. (2007). Effect of Augmented Muscle Training on Onset of the Quadriceps Muscle Group. University of Idaho. Funded, \$5,000.

Loucks AB, **Seegmiller JG**, Gilders R. (2006). Early Effects of Plyometric and Aerobic Exercise on Bone in Untrained Men and Women. The US Department of Defense. Funded, \$249,138.

Seegmiller JG. (2006). Athletic Training Services Grant, Southeastern Ohio High Schools. Funded, \$83,781.

Del Matto T, **Seegmiller JG**. (2005). Provost's Undergraduate Research Fund. Funded, \$595.

Seegmiller JG. (2005). Athletic Training Services Grant, Southeastern Ohio High Schools. Funded, \$46,600.

Seegmiller JG. (2005). Recruitment Grant, Ohio University. Funded, \$2,500.

- Seegmiller** JG. (2005). Recruitment Grant, Ohio University. Funded, \$1,500.
- Seegmiller** JG. (2004). Athletic Training Services Grant, Southeastern Ohio High Schools. Funded, \$45,800.
- Seegmiller** JG. (2004). Recruitment Grant, Ohio Univeristy. Funded, \$2,500.
- Seegmiller** JG. (2004). Recruitment Grant, Ohio University. Funded, \$1,500.
- Seegmiller** JG. (2003). Research grant, College of Health and Human Services. Funded, \$40,000.
- Seegmiller** JG. (2002). Technology Grant, Illinios State University. Funded, \$250.
- Seegmiller** JG. (2002). Technology Grant, Illinios State University. Funded, \$400.
- Seegmiller** JG. (2002). Technology Grant, Illinios State University. Funded, \$600.
- Seegmiller** JG. (2001). Technology Grant, Illinios State University. Funded, \$600.
- Seegmiller** JG. (1999). Program Development Grant, West Texas A&M University. Funded, \$40,000.

Non-funded Grant Applications:

- Wolbrecht, E, McGowan, C, **Seegmiller**, J. (2010). Assessing Motor Learning and Neuromuscular Adaptation of Fine Motor Tasks during Human-Machine Interaction with a Robotic Hand Exoskeleton. National Science Foundation. \$1,038,609.
- Seegmiller** JG, Paul D, Scruggs P. (2009). Pre and Postintervention Measures of Bone Strength Among 7-13 Year-Old Girls: Interventions and a prediction model to prevent future fragility fractures, NIH Challenge Grant, Federal, \$851,311.87.
- Seegmiller** JG, Paul D. (2008). Differences in Bone and Landing Profile Between Normal Weight and Overweight Children. University of Idaho Seed Grant, \$10,000.
- Seegmiller** JG, Paul D. (2007). Bone and Landing Profile of Children with Various BMI, American College of Sports Medicine. \$9,800.00
- Seegmiller** JG. (2007). Loan Repayment Grant, National Institutes of Health. Not funded, \$55,228.60.

Honors and Awards:

- Master's Student Award Finalist, National Athletic Trainer's Association Free Communications.
- Kane AE, **Seegmiller** JG, Krause BA. Ankle Prophylaxes do not Prevent Significant Anterior Ankle Translation Measured by the KT-2000. National Athletic Trainers' Association 58th Annual Meeting & Clinical Symposium, St. Louis, MO. Oral Presentation, June 2007.
- NATA Research & Education Foundation, Research Award Finalist – 2004
- NATA Research & Education Foundation, Doctoral Scholarship-2001

SERVICE:

Major Committee Assignments:

National

- Judge, NATA Research & Education Foundation, Free Communication Session, 2010
- Reviewer, Medicine & Science in Sports & Exercise. 2006-present
- Poster Presentation Evaluator, NATA Annual Meeting & Clinical Symposium, 2006
- Reviewer, Journal of Athletic Training Education. 2005-present

Member, NATA Post-professional Education Committee. 2004-present
 Reviewer, Journal of Sport Rehabilitation. 2004-present

University

Safety Committee, University of Idaho, 2011
 Faculty Appeals Board, University of Idaho, 2010-present
 Judge for Innovation Showcase, University of Idaho, 2011
 Third year review committee member for Onesmo Balemba, Biological Sciences, University of Idaho, 2010
 IRB Committee Member, Ohio University, 2006-2007
 Center for Teaching Excellence Electronic Portfolio Initiative, Ohio University, 2004
 Intercollegiate Athletic Medical Coverage Task Force, Ohio University, 2003- 2007
 Volunteer Athletic Trainer, Intercollegiate Athletics, Illinois State University, 1999-2003

College

Dean's Advisory Council, University of Idaho, 2008-present
 Graduate Research and Policy Committee, University of Idaho, 2009-present
 Promotion and Tenure Review Committee, University of Idaho, 2009, 2010
 Neuroscience Admissions Committee, University of Idaho, 2009-present

Departmental

Neuroscience Graduate Review Committee, University of Idaho, 2008-present
 Promotion and Tenure Review Committee, University of Idaho, 2008
 Curriculum Committee, University of Idaho, 2007-2009
 Scholarship and Development Committee, Ohio University, 2005-2006
 Doctoral Degree Task Force Member, Ohio University, 2006
 Graduate Coordinators Committee Member, Ohio University, 2004-2007
 Governance Committee Member, Ohio University, 2004-2005
 Search Committee Chair, Ohio University, 2004-2005
 Athletic Training Self Study Committee Member, Ohio University, 2003 - 2007
 Search Committee Member, Ohio University, 2003- 2004
 Curriculum Committee Member, Ohio University, 2003-2004
 Athletic Training Self Study Committee Member, Illinois State University, 1999 - 2003
 First Aid Chair, HPER Department, Illinois State University, 1999-2000
 AT Club Faculty Advisor, Illinois State University, 2000
 CAAHEP Accreditation Steering Committee, Illinois State University, 1999-2000
 Search Committee Member, Illinois State University, 1999-2000
 Search Committee Member, West Texas A&M University, 1998-99

Professional and Scholarly Organizations:

American College of Sports Medicine, *Member*
 American Red Cross, *Community CPR, First Aid Instructor*
 Canadian Society for Biomechanics, *Member*
 Clinical Instructor Educator (CIE), *National Athletic Trainers Association*
 Idaho Board of Medicine, *Licensed Athletic Trainer #AT311*
 International Society of Biomechanics in Sports, *Member*
 National Athletic Trainers Association, *Certified Athletic Trainer*

Outreach Service:

"Good Sam says he's no hero," The Lewiston Tribune, January 12, 2010, front page and page 4A.
 "Half Athletic Trainer, Half Missionary," *NATA News*, July 2009, pg 18-19.
 New Faculty Orientation Panel Member, August 18, 2008

Community Service: (non-academic unrelated to employment)

Assistant Scout Master, Troop 342, Inland Northwest Council, Boy Scouts of America, 2010-2011
 Cub Scout Committee Chair, Pack 322, Inland Northwest Council, Boy Scouts of America, 2009-2010
 Scout Master, Troop 341, Inland Northwest Council, Boy Scouts of America, 2007-2009
 Scout Master, Troop 77, Allohak Council, Boy Scouts of America, 2004-2009

Volunteer Athletic Trainer, Men' s Ice Hockey Team, Ohio University, 2004-2007

PROFESSIONAL DEVELOPMENT:

Teaching:

University of Washington School of Medicine (All WWAMI Academic Retreat for Education) Conference, Seattle, WA, June 1-2, 2011

WWAMI Retreat on Curriculum, Technology, Teaching, and Accreditation, March 2011

University of Washington School of Medicine (All WWAMI Academic Retreat for Education) Conference, Seattle, WA, June, 2010

University of Washington School of Medicine (All WWAMI Academic Retreat for Education) Conference, Seattle, WA, June, 2009

WWAMI Retreat on Curriculum, Technology, Teaching, and Accreditation, Princeton, ID, May 14th, 2009

University of Washington School of Medicine (All WWAMI Academic Retreat for Education) Conference, Seattle, WA, June 9th, 2008

Blackboard Educator's Workshop, College of Education, University of Idaho, Moscow, ID, March 2008

Scholarship:

National Institutes of Health Regional Seminar on Program Funding and Grants Administration, June 24-26, 2009

Professional Outreach:

Post-Professional Education Council, National Athletic Trainer's Association, 2005-present

National Athletic Trainer's Association Educator's Conference, 2011

National Athletic Trainer's Association Annual Meeting, 2010

American College of Sports Medicine Annual Meeting, 2010

Northwest Athletic Trainer's Association Annual Meeting, 2009

National Athletic Trainer's Association Annual Meeting and Clinical Symposium, June 17-21, 2008

Northwest Athletic Trainer's Association Annual Meeting, Bellevue, WA, May 2008