

Shannon L. David

Curriculum Vitae

Office Address:

North Dakota State University
Health, Nutrition, and Exercise Science
Athletic Training Program
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I. EDUCATION

A. Educational Background

2013	<i>Ohio University</i> , Athens, Ohio PhD: Educational Research and Evaluation
2010	<i>Ohio University</i> , Athens, Ohio MS: Athletic Training
2008	<i>Heidelberg College</i> , Tiffin, Ohio BS: Athletic Training

B. Certifications/Licenses

Board of Certification (#050802199)
Licensed Athletic Trainer in the State of North Dakota (#495-13)
Performance Enhancement Specialist (#1351154)
Certified in First-Aid by American Red Cross
Professional Rescuer by American Red Cross
First Aid/CPR Professional Rescuer Instructor by American Red Cross (#15248289)
Preceptor at North Dakota State University Athletic Training Program

C. Professional Society Memberships

National Athletic Trainers' Associations (NATA)
Great Lakes Athletic Trainers' Association (GLATA)
Ohio Athletic Trainers Association (OATA)
Mid-Western Educational Research Association (MWERA)
American College of Sports Medicine (ACSM)

D. Awards and Honors

2013	Ohio University Research Expo – 1 st place
2012	Ohio University Patton College of Education Travel Grant (\$500.00)
2011	Ohio University Patton College of Education Travel Grant (\$500.00)
2011	Ohio University Graduate Student Senate Travel Grant (\$500.00)
2008	Heidelberg College – Cum Laude

E. Statistical and Research Software Proficiency

SPSS – Statistical Package
 R – Statistical Package
 Atlas.ti – Qualitative Coding Package
 DoView – Logic Modeling Software
 Winsteps – Statistical Package
 TAP – Item Analysis Software
 Iteman – Item Analysis Software

II. EMPLOYMENT AND WORK EXPERIENCE

A. Employment

2013 – Present Division of Athletic Training, North Dakota State University
 Fargo, North Dakota

Research:

- Primary research interests include the patient-clinician relationship and quantification of outcomes.

Instructor:

- Traditional Courses
 HNES776: General Medical Conditions

2010 – 2013 Division of Athletic Training, Ohio University, Athens, Ohio

Research Assistant:

- Under direction of Dr. Brian Ragan. Primary responsibilities include mentor graduate student research and research development.
- Site Manager: Datalys Center USA Football Youth Football Safety Study
 - The focus of this study is to collect and establish injury rates in youth football. In addition, comparisons between the age specific and age-weight matrix

specific programs. Ohio University has 3 community locations where data are collected. Responsibilities include recruitment of sites and administrative role.

Graduate Assistant:

- Primary responsibilities include administrative roles within the graduate and undergraduate program and instruction of courses.

Lead Instructor:

- Traditional Courses
 - AT3100: Orthopedic Appliances
 - AT3100a: Orthopedic Appliances Lab
 - AT5100: Orthopedic Appliances
 - AT5100a: Orthopedic Appliances Lab
 - AT1150: Emergency Care
 - AT608: Care and Prevention of Activity Related Injuries
- Online Courses
 - AT608: Care and Prevention of Activity Related Injuries
 - AT144: Concepts of Athletic Injuries
- Teaching Assistant
 - AT315: Therapeutic Modalities
 - AT672: Research Methods II
 - AT225: Lower Extremity Evaluation
 - AT180B: Practical Applications of Athletic Training

2010 – Present	Varsity Spirit Corporation, Memphis, Tennessee Camp Administration – Oversee each camp daily activities, Liaison between college and camp, and athletic training responsibilities
2013 – 2013	Intercollegiate Athletics Ohio University, Athens, Ohio Per Diem Athletic Trainer – Primary responsibility Intercollegiate Athletics Division I football coverage. Additional duties included administrative responsibilities and athletic training room coverage.
2010 – 2013	Club Sports Ohio University, Athens, Ohio Athletic Trainer – Primary responsibility Division II Club Ice Hockey and Athens Youth Hockey game coverage

- 2009 – 2010 Intercollegiate Athletics Ohio University, Athens, Ohio
Graduate Assistant Athletic Trainer – Primary responsibility
Intercollegiate Athletics Division I Field Hockey coverage.
Additional responsibilities included assisting with cheerleading,
baseball, and men's basketball
- 2008 – 2009 Carolina Medical Center Sports Medicine, Charlotte, North Carolina
Special Events Athletic Trainer – Per Diem athletic training
coverage of camps and high school soccer and lacrosse
- 2008 – 2009 University of North Carolina at Charlotte, Charlotte, North Carolina
Athletic Trainer – Primary responsibility included coverage of
Division I softball
- 2007-2008 Heidelberg College, Tiffin, Ohio
Teaching Assistant – Responsibilities included prep for labs,
proctoring of exams, and grading.

BIO363: Human Anatomy and Physiology
BIO110: Zoology
BIO209: Botany

B. Workshops and Training

- 2012 Cleveland Clinic Sports Health Symposium: The Spine.
Beachwood, Ohio.
- 2011 Introduction to the Physician Extender: Casting Workshop –
National Athletic Trainers Association Conference Philadelphia PA.

III. RESEARCH: PUBLICATIONS

A. Manuscripts (Peer Reviewed)

- Farnsworth, J., McElhiney, D., **David, S. L.**, Sinha, G., & Ragan, B. G. (in press).
Objective functional assessment following a head injury using movement and
activity in physical Space (MAPS) scores. Journal of Athletic Training.
- Gabler, C., **David, S. L.**, Howe, C. A., White, J., & Ragan, B. G. (in review). The
effectiveness of neuromuscular training on modifiable anterior cruciate ligament
injury risk factors. Journal of Athletic Training.

B. Book Chapter

Starkey C., & **David S. L.** (in press). Introduction to Athletic Training. In J. Delee & D. Drez (Eds.), *Orthopaedic Sports Medicine: Principles and Practice*. Philadelphia, PA: Elsevier Inc.

C. Masters/Dissertation Title

David S. L. (2010). *Examination of the Validity of the Navicular Drop Test*. Unpublished Masters Manuscript. Ohio University, Athens, OH.

David S. L. (2013). *Development of the Patient-AT Trust Instrument*. Doctoral Dissertation. Ohio University, Athens, OH.

IV. RESEARCH: PROFESSIONAL PRESENTATIONS

A. Presentations with Published Abstracts

David, S. L., Price, E. A., & Ragan, B. G. (2013, May). Development of a patient-AT trust instrument using a focus group. Paper to be presented at National Athletic Trainers Association 64th Annual Meeting, Las Vegas, Nevada.

Farnsworth, J., McElhiney, D., **David, S., L.**, Kang, M., & Ragan, B. G. (2013, May). Objective Assessment of Function following Head Injury using Movement Activity in Physical Space (MAPS) Scores. Paper to be presented at National Athletic Trainers Association 64th Annual Meeting, Las Vegas, Nevada.

David, S. L., Louk, J., Kang, M. & Ragan B. G. (2013, June). Development of a Patient-AT Trust Instrument using Rasch Modeling. Paper to be presented at American College of Sport Medicine Annual Meeting, Indianapolis, Indiana. *Medicine and Science in Sports and Exercise*, 45(5):S.

David, S. L. & Ragan, B. G.(2012, May). Variability in context of time in athletic training-related patient reported outcomes (PROs). Paper presented at National Athletic Trainers Association 63rd Annual Meeting, St. Louis, Missouri. *Journal of Athletic Training Supplement*,47,(S-39):210S-213S.

Farnsworth, J., Nickels, S., Mc Elhiney, D., Bartholomew, M., **David, S. L.**, & Ragan, B. G. (2012, May). Objective assessment of function following head injury using movement and activity in physical space (MAPS) scores: A case report. Paper presented at National Athletic Trainers Association 63rd Annual Meeting, St. Louis, Missouri. *Journal of Athletic Training Supplement*,47,(S-156):210S-213S.

Gabler, C., **David S. L.**, Howe C. A., White J., & Ragan, B. G. (2012, May). The effectiveness of neuromuscular training on modifiable anterior cruciate ligament injury risk factors. Paper presented at National Athletic Trainers Association 63rd

Annual Meeting, St. Louis, Missouri. *Journal of Athletic Training Supplement*, 47, (S-192):210S-213S.

B. Presentations with no published Abstracts

David, S. L. & McElhiney D. (2013, November). The Demonstration of Item Response Theory with Polytomous Items Paper presented at Mid-Western Educational Research Association Annual Meeting, Evanston, Illinois.

David, S. L., Silva, K., Friebel, C. & Ragan, B. (2013, June). Using Physical Activity as an Assessment of Function in Post-Surgical ACL Repair Patients. Paper presented at Ohio Athletic Trainers Association, Columbus, Ohio.

David, S. L. & Price, E. A. (2012, November). The use of mixed methods principles incorporating item response theory: An alternative item development perspective. Paper presented at Mid-Western Educational Research Association Annual Meeting, Evanston, Illinois.

David, S. L., Starkey, C., & Ragan, B. G. (2010, May). Examination of the validity of the navicular drop test. Paper presented at Ohio Athletic Trainers' Association, Dayton, Ohio.

C. Internal Presentations

David, S. L., Price, E. A., & Ragan, B. (2013, May). Development of a Patient-AT Trust Instrument Using A Focus Group. Paper presented at Ohio University Student Expo, Athens, Ohio.

David, S. L. & Ragan B. G. (2012, May). Variability in context of time in athletic training-related patient reported outcomes (PROs). Paper presented at Ohio University Student Expo, Athens, Ohio.

David, S. L. & Ragan B. G. (2012, May). Variability in context of time in athletic training-related patient reported outcomes (PROs). Paper presented at Ohio University College of Health Sciences and Professions, Athens, Ohio.

D. Workshops

David, S. L. (2013, March). The Basics of Casting. Presented at Ohio University Heritage College of Osteopathic Medicine in Athens, Ohio.

Vanessa Rosales de Veliz L., **David S.L.**, McElhiney D., Lewis M., Price E., & Brooks G. (2012, November). An Introduction to R: Monte Carlo Simulation. Presented at Midwestern Educational Research Association in Illinois.

Vanessa Rosales de Veliz L., **David S.L.**, McElhiney D., Lewis M., Price E., & Brooks G. (2012, November). An Introduction to R: The Basics. Presented at Midwestern Educational Research Association in Illinois.

V. RESEARCH: GRANTS/CONTRACTS

Title: Development of a Patient-Athletic Trainer Trust Scale

Funding Agency: NATA's Research & Education Foundation

Role: Primary Investigator

Date: September 2012-August 2013

Amount: 2,500.00 (funded)

Description: The purpose was to develop a measure of patient-athletic trainer trust scale using a mixed methods (Interviewing and IRT) approach. In addition, provide various pieces of validity evidence for the trust scale.

Title: Using Physical Activity as an Assessment Function in Post-Surgical ACL repair patients

Funding Agency: Ohio Athletic Trainers' Association

Role: Primary Investigator

Date: March 2012-February 2013

Amount: 1,000.00 (333.00 funded)

Description: The purpose was to examine the recovery curve during ACL rehabilitation with physical activity using step counts and step activity.

Title: The Effectiveness of Neuromuscular Training on Modifiable Anterior Cruciate Ligament Injury Risk Factors

Funding Agency: NATA's Research & Education Foundation (Gabler, PI)

Role: Co-Investigator

Date: September 2011- August 2012

Amount: 1,000.00 (funded)

Description: The purpose of this study is to evaluate the effectiveness of a Neuromuscular Training program on a modifiable ACL risk factor relative to a resistance training program of equal volume and frequency of exercise in females.

VI. SERVICE

A. Manuscript Reviewer

Athletic Training and Sports Health Care Reviewer
Journal of Athletic Training Reviewer

B. Abstract/Grant Reviewer

American Alliance for Health, Physical Education, Recreation and Dance Grant Reviewer
Ohio Athletic Trainers Association Research Committee (2011-2013)

C. University, Department, Program Committees/Organizations

2013	Self-Study Committee Member: CAATE accreditation Site Visit, North Dakota State University, Fargo, North Dakota.
2013	Thesis Committee Member: Silva, K. (2013). Validation of Physical Activity and the Movement and Activity in Physical Space (MAPS) Score as a functional outcome measure following ACL reconstruction surgery. MS. Ohio University, Athens, Ohio.
2013	Thesis Committee Member: Gray, K. (2013). Validation of the Ottawa ankle rules for acute foot and ankle injuries over time. MS. Ohio University, Athens, Ohio.
2012	Thesis Committee Member: Farnsworth, J. (2012). Objective assessment of Function Following Head Injury Using Movement and Activity in Physical Space (MAPS) Scores. MS. Ohio University, Athens, Ohio.
2012	Search Committee Member: For Assistant/Associate Professor of Athletic Training, Ohio University, Athens, Ohio.
2011	President: Heidelberg College Athletic Training Alumni Association, Tiffin, Ohio.
2008	President: Heidelberg College Athletic Training Student Organization, Tiffin, Ohio.