

Rhiannon M. Seneli, PhD, ATC

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EDUCATION

- Ph.D. in Health Sciences University of Wisconsin-Milwaukee 2016
Advisor: Stephen C. Cobb, Ph.D., LAT, CSCS
Dissertation title: Foot kinematics and neuromuscular preactivation in habitual forefoot and rearfoot runners
Areas of study: Biomechanics (primary), Motor Behavior (secondary)
- M.S. in Kinesiology University of Wisconsin-Milwaukee 2011
Advisor: Ann C. Snyder, Ph.D., CSCS*D, FACSM
Thesis title: Comparison of Estimated VO₂max values from the Rockport Walk Test on a non-motorized, curved treadmill to traditional overground method
Areas of study: Exercise Physiology (primary), Biomechanics (secondary)
- B.S. in Exercise Science University of Utah 2003
Areas of study: Athletic Training Education Program

ACADEMIC APPOINTMENTS

- Graduate Program Director St. Ambrose University, Dept. of Kinesiology 2017-present
- Assistant Professor St. Ambrose University, Dept. of Kinesiology 2014-present
- Adjunct Instructor UW-Milwaukee, Dept. of Kinesiology 2013-2014
Carroll University, Dept. of Physical Therapy 2012-2014
UW-Parkside, Dept. of Health, Exer. Science, and Sport Management 2011

PROFESSIONAL MEMBERSHIPS AND CONTRIBUTIONS

- National Athletic Trainers' Association (NATA) Since 2002
Certified Athletic Trainer
Membership #: 990883; Certification # 050502063
- American College of Sports Medicine (ACSM) Since 2010
Membership #: 680855
- American Society of Biomechanics (ASB) Since 2013
Membership #: 4860
- Journal of Electromyography and Kinesiology Since 2015
Reviewer
- Plos One Since 2018
Reviewer

PUBLICATIONS

Refereed Journals

Seneli, R.M., Ebersole, K.T., O'Connor, K.C., & Snyder, A.C. (2013). Estimated VO₂max from the Rockport Walk Test on a non-motorized curved treadmill. *J Strength Cond Res.* 27(12): 3495-3505.

Manuscripts in Preparation

Seneli, R.M., Beschorner, K.E., Keenan, K., Earl-Boehm, J.E., O'Connor, K., & Cobb, S.C. (2018). Foot joint coupling variability differences between habitual rearfoot and forefoot runners prior to and following an exhaustive run.

Seneli, R.M., Beschorner, K.E., Keenan, K., Earl-Boehm, J.E., O'Connor, K., & Cobb, S.C. (2019). Multi-segment foot kinematics in habitual forefoot and rearfoot runners at the beginning and end of an exhaustive run.

Seneli, R.M., Beschorner, K.E., Keenan, K., Earl-Boehm, J.E., O'Connor, K., & Cobb, S.C. (2019). Differences in leg muscle preactivation between habitual rearfoot and forefoot runners at the beginning and end of an exhaustive run.

Posters/Oral Presentations

Seneli, R.M. Foot kinematics in rearfoot and forefoot runners at the beginning and end of an exhaustive run. Oral presentation presented at the Great Lakes Athletic Trainers Association Annual Conference, March 8-10, 2017.

Seneli, R.M., Beschorner, K.E., Keenan, K., Earl-Boehm, J.E., O'Connor, K., & Cobb, S.C. (2016, May). Foot joint coupling variability in rearfoot and forefoot runners after an exhaustive run. Poster presented at The American College of Sports Medicine 63rd Annual Meeting and 7th World Congress on Exercise is Medicine, May 31-June 4, 2016.

Seneli, R.M. Foot kinematics and neuromuscular preactivation in habitual forefoot and rearfoot runners. Oral presentation presented at the Wisconsin Athletic Trainers Association Annual Conference, March 31-April 2, 2016.

Seneli, R.M., Pomeroy, R.L., & Cobb, S.C. (2015, August). A new method for identifying toe-off event running on a treadmill using kinematic data. Poster presented at The American Society of Biomechanics Annual Conference, August 5-8, 2015.

Seneli, R.M., Joshi, M.N., Bauer, R.L., & Cobb, S.C. (2013, May). Foot motion in individuals with low arches while running barefoot and in a flat sandal. Poster presented at the American College of Sports Medicine 60th Annual Meeting and 4th World Congress on Exercise is Medicine, May 28-June 1, 2013.

Seneli, R.M. & Snyder, A.C. (2012, June). Estimated VO₂max from the Rockport Walk Test on a non-motorized curved treadmill. Poster presented at the American College of Sports Medicine 59th Annual Meeting and 3rd World Congress on Exercise is Medicine, May 29-June 2.

Seneli, R.M., Joshi, M.N., Bauer, R.L., & Cobb, S.C. (2012, Dec). Multi-segment foot coupling during barefoot and shod running in individuals with low arches. Poster presented at the College of Health Sciences Fall Symposium, UW-Milwaukee.

Seneli, R.M. & Snyder, A.C. (2011, Dec). Estimated VO₂max from the Rockport Walk Test on a non-motorized curved treadmill. Poster presented at the College of Health Sciences Fall Symposium, UW-Milwaukee.

Seneli, R.M., Edlbeck, B.P., Myatt, C.J., Reynolds, K.G., & Snyder, A.C. (2011, May). Comparing step length between motorized and non-motorized treadmills during walking, jogging, and running. Poster presented at the American College of Sports Medicine 58th Annual Meeting and 2nd World Congress on Exercise is Medicine, May 31-June 4.

Lange, R.M. & Mattson, J.M. (2003, June). Traumatic injury in a recreational athlete. Poster presented at the National Athletic Trainers' Association 54th Annual Meeting and Clinical Symposia, St. Louis, MO.

RESEARCH AWARDS

Wisconsin Athletic Trainers' Association Research Award (\$1,000) 2013
Title: Foot joint coupling and EMG patterns in habitual forefoot and rearfoot runners
Role: Principle Investigator

College of Health Sciences Research Award (\$2,000) 2013
Title: Foot joint coupling and EMG patterns in habitual forefoot and rearfoot runners
Role: Principle Investigator

Great Lakes Athletic Trainers' Association research Award (\$1,500) 2013
Title: Foot joint coupling and EMG patterns in habitual forefoot and rearfoot runners
Role: Principle Investigator

HONORS

College of Health Sciences Ph.D. Scholarship Award 2013

College of Health Science Annual Fall Research Symposium 2012

Third place poster and podium presentation

Seneli, R. M., Joshi, M. N., Bauer, R. L., & Cobb, S. C. Multi-segment foot coupling during barefoot and shod running in individuals with low arches.

College of Health Science Annual Fall Research Symposium 2011

First place poster and podium presentation

Seneli, R. M. & Snyder, A.C. Estimated VO₂max from the Rockport Walk Test on a non-motorized curved treadmill.

Advanced Opportunity Fellowship 2010-2013

TEACHING EXPERIENCE

Assistant Professor	St. Ambrose University	2014-present
<ul style="list-style-type: none">• Courses taught: KIN 101- Foundations in Kinesiology KIN 149- Wellness Concepts KIN 215- Basics of Athletic Training KIN 260- Motor Learning KIN 361- Kinesiology KIN 390L- Exercise Physiology Lab KIN 406- Practical Program Design KIN 410/510- Biomechanics KIN 560- Special Topics in Ex Physiology KIN 602- Statistics in Kinesiology KIN 610- Seminar in Exercise Science		
Adjunct Instructor	Carroll University	2013-2014
<ul style="list-style-type: none">• Courses taught: PTH 406- Advanced Exercise Physiology ESC 315- Exercise Science Practicum I		
Adjunct Instructor	University of Wisconsin - Milwaukee	2013
<ul style="list-style-type: none">• Course taught: KIN 320- Biomechanics		
Graduate Teaching Assistant	University of Wisconsin - Milwaukee	2012
<ul style="list-style-type: none">• KIN 320- Biomechanics; lab instructor and teaching assistant to lecture		
Adjunct Instructor-	University of Wisconsin - Parkside	2012
<ul style="list-style-type: none">• Courses taught: HESM 354- Physiology of Exercise		
Graduate Teaching Assistant	University of Utah	2006
<ul style="list-style-type: none">• ESS 4010- Practicum in Athletic Training; assisted in lab instruction		
Clinical Instructor-ATEP	University of Utah	2006-2007
<ul style="list-style-type: none">• Instructed undergraduate athletic training students in clinical environment		

OTHER RELEVANT EMPLOYMENT

Manufacturing Health Consultant	Kinematic Consulting, Waukesha, WI	2013
Fitness Consultant	Fitness Together, Wauwatosa, WI	2008-2009
Health and Physical Education Teacher	St. Michael's School (K-12) Santo Domingo, Dominican Republic	2007
Graduate Assistant Athletic Trainer- Women's Softball	University of Utah, Salt Lake City, UT	2006-2007
English Teacher	St. John's School (K-12)	2005-2006

	La Romana, Dominican Republic	
Personal Trainer	Bally's Total Fitness, Brookfield, WI	2005
Athletic Trainer- Boys' Soccer	Bountiful High School, Bountiful, UT	2002-2003

LANGUAGES

Fluent in reading, writing, and speaking Spanish

COMMUNITY SERVICE

Assistant U11 Boys Soccer Coach	Bettendorf, IA	2016
Cub Scouts Committee Member	Davenport, IA	2015-2016
Cub Scouts Den Leader	Waukesha, WI	2013-2014
YMCA Youth Soccer Coach	Waukesha, WI	2013
LDS Missionary	Dominican Republic Santo Domingo West	2003-2004