

MARK A. SCHAFER

ACSM Certified Clinical Exercise Physiologist®, CSCS®

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Western Kentucky University
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EDUCATION

Doctor of Philosophy in Exercise Physiology <i>University of Pittsburgh, Pittsburgh, Pennsylvania</i>	2004-2007
Master of Science in Physical Education (Sports Physiology and Adult Fitness) <i>Ohio University, Athens, Ohio</i>	1996-1997
Bachelor of Science in Sports Sciences <i>Ohio University, Athens, Ohio</i>	1994-1996
University of Cincinnati <i>Cincinnati, Ohio, Biology / Exercise Physiology</i>	1991-1994

PROFESSIONAL EMPLOYMENT

Professor of Exercise Science & Kinesiology <i>Western Kentucky University – School of Kinesiology, Recreation and Sport</i>	2024 –
Director Center for Applied Sciences in Health and Aging (CASHA)	Sept 2024 -
Faculty Research Fellow Center for Applied Sciences in Health and Aging (CASHA)	2023 - 2024
Associate Professor of Exercise Science & Kinesiology <i>Western Kentucky University – School of Kinesiology, Recreation and Sport</i>	2014 – 2024
Program Coordinator Exercise Science (BS)	2013 - 2022
Program Coordinator Kinesiology (MS)	2014 - 2020
Assistant Professor of Exercise Science & Kinesiology <i>Western Kentucky University – School of Kinesiology, Recreation and Sport</i>	2008 - 2014
Instructor – Exercise Science <i>Slippery Rock University – Department of Exercise and Rehabilitative Science</i>	2007 - 2008

Campus Fitness Coordinator <i>University of Pittsburgh - Baierl Student Recreation Center</i>	2006 - 2007
Graduate Assistant <i>Department of Health and Physical Activity, University of Pittsburgh</i>	2004–2006
Research Study Coordinator, Botox Clinical Trial for Post–Stroke Spasticity <i>Drake Center, Cincinnati, Ohio</i>	2003-2004
Exercise Specialist, Cardiopulmonary Rehabilitation <i>Drake Center, Cincinnati, Ohio</i>	2002-2004
Cardiopulmonary Rehabilitation/Cardiopulmonary Exercise Testing <i>New Hanover Health Network, Wilmington, North Carolina</i>	1997-2002
Part-time Faculty <i>University of North Carolina at Wilmington – Exercise Science – Department of Health, Physical Education and Recreation, Wilmington, North Carolina</i>	2001
Internship, Cardiopulmonary Rehabilitation <i>The Heart Center – Pitt County Memorial Hospital Inc. University Medical Center of Eastern Carolina-Pitt County, Greenville, North Carolina</i>	1997
Graduate Assistant, Clinical Exercise Physiology <i>Ohio University, Sports Physiology and Adult Fitness Graduate Program, Athens, Ohio</i>	1996-1997
Fitness Center Supervisor <i>Healthbeat – Ohio University’s Employee Wellness Program, Athens, Ohio</i>	1995-1996
Exercise Testing Assistant and Fitness Center Supervisor <i>Ohio University, Adult Fitness Program, Athens, Ohio</i>	1995-1997

PROFESSIONAL CERTIFICATIONS & MEMBERSHIPS

<i>ACSM, Certified Clinical Exercise Physiologist, CEP®</i>	2001-Present
<i>NSCA, Certified Strength and Conditioning Specialist, CSCS®</i>	2003-Present
<i>American Heart Association or American Red Cross – Adult CPR/AED</i>	1995-Present
<i>Mid-Atlantic American College of Sports Medicine, Member</i>	2006- 2008
<i>Southeast American College of Sports Medicine (SEACSM), Member</i>	Current

TEACHING

Western Kentucky University – Kinesiology, Recreation & Sport

2008 to Present

Undergraduate Courses:

EXS 223 Introduction to Exercise Science
 EXS 296 Practicum in Exercise Science
 EXS 311 Physiology of Exercise
 EXS 325 Applied Exercise Physiology
 EXS 412 Exercise Testing & Prescription
 EXS 420 Clinical Exercise Physiology
 EXS 496 Internship in Exercise Science

Graduate Courses:

KIN 522 Advanced Exercise Prescription
 KIN 504 Advanced Exercise Physiology
 KIN 523 Seminar in Exercise Physiology
 KIN 514 Lab Methods in Exercise Physiology
 KIN 501 Research Methods Kinesiology
 DPT 772 Cardiopulmonary Rehabilitation

Slippery Rock University – Department of Exercise and Rehabilitative Science

2007 – 2008

Undergraduate Courses:

ERS 375 Exercise Physiology
 ERS 377 Exercise Leadership – Strength and Fitness
 ERS 321 Care and Prevention of Injuries of the Physically Active
 ERS 475 Clinical Exercise Physiology

University of North Carolina at Wilmington – Exercise Science – Department of Health, Physical Education and Recreation

2001

EXS 347 Field Experience in Exercise Science

RESEARCH

Publications

*Student author

*Madhawa Perera, Taniya S. Nagpal, Maire M. Blankenship, Danilo V. Toluoso, Jordyn M. Cox, Dilini Prashadika, **Mark Schaffer**, and Rachel A. Tinius. Perspectives of midwives and nurse practitioners in Kentucky on exercise counseling during pregnancy: A qualitative study. SAGE Open Nursing. Accepted January 2025.

Schaffer M, Crandall J, Grieve R, Dispennette K, and *Michalik J. Muscle Dysmorphia Comparisons Between High Intensity Functional Training And Traditional Strength Training Environments. Journal of Sport Behavior, 2024, Vol 47, Issue 1, p74

Buoncristiani, N. A., Malone, G., Stone, W. J., Arnett, S., **Schaffer, M. A.**, & Toluoso, D. V. (2023). The Validity of Perceptual Recovery Status on Monitoring Recovery During a High-Intensity Back-Squat Session. International journal of sports physiology and performance, 19(3), 242–248. <https://doi.org/10.1123/ijsp.2023-0241>

Schaffer M, Upright P, *Michalik J, Crandall J. Impact of 10-Week Evidence-Based Falls Prevention Program on Outcomes Related to Falls Risk in Community-Dwelling Older Adults. Int J Exerc Sci 16(7): 1131–41, 2023. Available at: <https://digitalcommons.wku.edu/ijes/vol16/iss7/5>

- Green, G. K., Stone, W. J., Toluoso, D. V., **Schafer, M. A.**, & Lyons, T. S. (2023). A VO_{2max} Protocol for Young, Apparently Healthy Adults. *International journal of exercise science*, 16(4), 1257–1268.
- Crandall K. J, Sullivan D, **Schafer M**, Johnson L. Evaluating the Effect of a Supplemental Home-Delivered Meal Program on Physical Health and Nutrition Status of Community-Dwelling Vulnerable Older Adults: A Pilot Study. *The International Journal of Continuing Social Work Education*. 2023.
- Tinius RA, Maples JM, **Schafer MA**, Paudel A, Fortner KB, Zite NB, et al. To Be Active or to Stop? A Cross-Sectional Retrospective Study Exploring Provider Advice and Patient Fears Surrounding Physical Activity in Pregnancies Complicated by Fetal Growth Restriction. *Int J Environ Res Public Health* 19(10): 6076, 2022. <https://doi.org/10.3390/ijerph19106076>
- Stone W, **Schafer M**, Arnett S, Lyons S. Post Exercise Hypotension Following Concurrent Exercise: Does Order of Exercise Modality Matter? *Int J Exerc Sci* 13(2): 36–48, 2020.
- Lyons TS, Navalta JW, Stone WJ, Arnett S, **Schafer MA**, *Igaune L. Evaluation of Repetitive Jumping Intensity on the Digi-Jump Machine. *Int J Exerc Sci* 13(2): 818–25, 2020.
- *Dispennette AK, **Schafer MA**, Shake M, Clark B, Macy GB, Vanover S, et al. Effects of a Game-Centered Health Promotion Program on Fall Risk, Health Knowledge, and Quality of Life in Community-Dwelling Older Adults. *Int J Exerc Sci* 12(4): 1149–60, 2019.
- Young S, VanWye W, **Schafer M**, Robertson T, Poore AV. Factors Affecting PhD Student Success. *Int J Exerc Sci* 12(1): 34–45, 2019.
- Morris CE, *Wessel PA, Tinius RA, **Schafer MA**, Maples JM. Validity of Activity Trackers in Estimating Energy Expenditure During High-Intensity Functional Training. *Res Q Exerc Sport* 90(3): 377–84, 2019.
- Stone W, Navalta J, Lyons S, **Schafer M**. From the Editors: A Guide for Peer Review in the Field of Exercise Science. *Int J Exerc Sci* 11(1): 1112–9, 2018.
- Sobrero G, Arnett S, **Schafer M**, Stone W, Tolbert TA, Salyer-Funk A, et al. A Comparison of High Intensity Functional Training and Circuit Training on Health and Performance Variables in Women: A Pilot Study. *Women Sport Phys Act J* 25(1): 1–10, 2017.
- Crandall KJ, *Zagdsuren B, **Schafer MA**, Lyons TS. Static and Active Workstations for Improving Workplace Physical Activity and Sitting Time. *Int J Hum Mov Sports Sci* 4(2): 20–5, 2016.
- Navalta JW, *Fedor EA, **Schafer MA**, Lyons TS, *Tibana RA, *Pereira GB, et al. Caffeine affects CD8+ lymphocyte apoptosis and migration differently in naïve and familiar individuals following moderate intensity exercise. *Int J Immunopathol Pharmacol* 29(2): 288–94, 2016.
- Mays RJ, Goss FL, Nagle EF, Gallagher M, Haile L, **Schafer MA**, et al. Cross-validation of Peak Oxygen Consumption Prediction Models From OMNI Perceived Exertion. *Int J Sports Med* 37(10): 831–7, 2016.
- Mays RJ, Goss FL, Nagle-Stilley EF, Gallagher M, **Schafer MA**, Kim KH, et al. Prediction of VO_2 peak using the OMNI ratings of perceived exertion from a submaximal cycle exercise test. *Percept Mot Skills* 118(3): 863–81, 2014.

Schafer M, *Kell H, Navalta J, *Tibana R, Lyons S, Arnett S. Effects of a simulated tennis match on lymphocyte subset measurements. *Res Q Exerc Sport* 85(1): 90–6, 2014.

Schafer MA, Goss FL, Robertson RJ, Nagle-Stilley EF, Kim K. Intensity selection and regulation using the OMNI scale of perceived exertion during intermittent exercise. *Appl Physiol Nutr Metab Physiol Appl Nutr Metab* 38(9): 960–6, 2013.

Schafer MA, Robertson RJ, Thekkada SJ, Jr MG, Hunt SE, Goss FL, et al. Validation of the OMNI RPE Seven Day Exertional Recall Questionnaire. *Res Q Exerc Sport* 84(3): 363–72, 2013.

*Kell H, *Pereira G, *Tibana R, Jarrett M, **Schafer M**, *Prestes J, et al. Acquisition Delays Affect Lymphocyte Subset Counts but not Markers of Exercise-induced Apoptosis. *Int J Exerc Sci* 6(3), 2013.

Navalta JW, Lyons S, *Prestes J, Arnett SW, **Schafer M**, Sobrero GL. Exercise Intensity and Lymphocyte Subset Apoptosis. *Int J Sports Med* 34(03): 268–73, 2013.

*Friedman RA, Navalta JW, *Fedor EA, *Kell HB, Lyons TS, Arnett SW, and **Schafer MA**. Repeated high-intensity Wingate cycle bouts influence markers of lymphocyte migration but not apoptosis. *Appl Physiol Nutr Metab Physiol Appl Nutr Metab* 37(2): 241–6, 2012.

Gallagher M, Robertson RJ, Goss FL, Nagle-Stilley EF, **Schafer MA**, Suyama J, et al. Development of a perceptual hyperthermia index to evaluate heat strain during treadmill exercise. *Eur J Appl Physiol* 112(6): 2025–34, 2012.

Navalta JW, Lyons TS, *Pereira GB, Arnett SW, **Schafer MA**, Esslinger FT, and Sobrero GL. Effectiveness of blended instruction utilizing on-line lectures and split classes in delivering an applied exercise physiology course. *Medical Physiology Online*, 2012. <http://medicalphysiologyonline.wordpress.com>

Navalta J, McFarlin B, Simpson R, *Fedor E, *Kell H, Lyons S, Arnett S, and **Schafer M**. Finger-stick Blood Sampling Methodology for the Determination of Exercise-induced Lymphocyte Apoptosis. *J Vis Exp* (48): 2595, 2011.

Navalta JW, McFarlin BK, Lyons S, Arnett SW, **Schafer MA**. Cognitive awareness of carbohydrate intake does not alter exercise-induced lymphocyte apoptosis. *Clinics* 66(2): 197–202, 2011.

Navalta JW, McFarlin BK, Lyons TS, *Ramos AR, Arnett SW, and **Schafer MA**. Intra- and Interrater Reliability of Morphologically Evaluated Lymphocyte Apoptosis in Trained and Untrained Observers. *Biology of Sport*. 28, 223-226, 2011.

Mays RJ, Goss FL, **Schafer MA**, Kim KH, Nagle-Stilley EF, Robertson RJ. Validation of adult omni perceived exertion scales for elliptical ergometry. *Percept Mot Skills* 111(3): 848–62, 2010.

Robertson RJ, Goss FL, Aaron DJ, Nagle EF, Gallagher M, Kane IR... **Schafer MA**...et al. Concurrent muscle hurt and perceived exertion of children during resistance exercise. *Med Sci Sports Exerc* 41(5): 1146–54, 2009

Grants

Schafer, M & Macey, G. Collaborative QTAG: A Campus Walking Program Comparing Social Support and Digital Nudges to Increase Physical Activity among Sedentary Faculty and Staff. \$10,000	2026
Civil Money Penalty (CMP) Grant. <i>Implementation of Bingocize® in Signature HealthCARE</i> project. \$502,845.00. Approved. Declined by WKU due to conflict of interest.	2024
CHHS – QTAG: Schafer, Mark. Bingocize® Immune Support and Wellness Workshop. \$2,271	2023
Owensboro Regional Health Hospital Community Benefit Grant. Co- Investigator; <i>Bingocize® improves health and quality of life in older adults</i> . \$36,677.00.	2017
National Science Foundation: Major Research Instrumentation grant, NSF. 2017 \$315,357.00. Philips EPIQ 7G 3D ultrasound imaging system. Co-Author. Not funded.	2017
Ergotron – Standing workstations. <i>Evaluation of sit-stand desktop workstations in the workplace</i> . A grant of 60 workstations (\$25,000)	2017
College of Health and Human Services Research Grant, Western Kentucky University, \$3,000.	2013
Western Kentucky University, RCAP II Award #: 13-8003. Fall 2012 - \$8,000.00.	2012
Western Kentucky University, New Faculty Grant. \$4,000	2011
College of Health and Human Services Research Grant, Western Kentucky University. \$3,000	2011
College of Health and Human Services Research Grant, Western Kentucky University. \$1,500	2009
University of Pittsburgh - Alumni Doctoral Fellowship. \$2,000	2006
University of Pittsburgh - School of Education Student Research Grant. \$1,497	2006

Current investigations and Manuscripts in Preparation

*Gray K, **Schafer M**, Crandall J. Exploring the Role of Bingocize® Workshops in Enhancing Physical Health in Older Adults. Manuscript in preparation.

Kentucky Department of Public Health. Promoting Health Equity & COVID Immunizations in Underserved Populations Across Kentucky Using the Bingocize® Platform: Phase III. \$258,728.00. Co – Investigator. IRB # 24-006. Data collection Fall 2023 and Spring 2024.

USAgings-Kentucky Department of Aging and Independent Living, Aging and Disability Vaccination Collaborative. \$152,837.00. Link, Kim; Haughtigan, Kara; Schafer, Mark; Crandall, Jason. Bingocize® Immune Support and Wellness Workshop. IRB # 24-028. Data collection Fall 2023 and Spring 2024.

Schafer, Mark, A.; Jason Crandall, K.; Scott Lyons, T., FACSM; Edens, Kolbi; Blankenship, Lydia; Shaker, Nuha; Vondy, Robert. Impact Of Sit-stand Workstation Progressions On Stress, Focus, And Productivity In University Staff Members. *Manuscript in preparation*.

Regional and National Presentations and Published Abstracts

*Gray K, **Schafer M**, Crandall J. Exploring the Role of Bingocize® Workshops in Enhancing Physical Health in Older Adults. Frankfort, KY – The 23rd Annual *Posters at the Capitol (P@C)* Spring 2025.

*Gray K, **Schafer M**, Crandall J. Exploring the Role of Bingocize® Workshops in Enhancing Physical Health in Older Adults. Poster Presentation. WKU Student Scholar Showcase. Spring 2025.

Katherine A. Collins, Audrey M. Collins, Emmaline M. Denton, Sarah Fretti, Nicole K. Rendos, **Mark A. Schafer**, Elizabeth S. Edwards, R. Lee Franco, Rebecca M. Kappus, Danielle D. Wadsworth, Rebecca A. Battista. Pulling back the curtain on academia and research: utilizing mentorship as a critical tool. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC. Spring 2025.

Schafer M, Scali S, Stone W, Lyons, S, Crandall, J. Impact of 10-Week Bingocize® Program on self-reported general health, fear of falling, and physical activity. (2023) Presentation at the Annual Meeting of the American College of Sports Medicine, Denver, CO. *Exerc Sci* 16(7): 1131–41, 2023.

Schafer M, Scali S, Stone W, Lyons, S, Crandall, J. Impact of 10-Week Bingocize® Program on self-reported general health, fear of falling, and physical activity. (2023) Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Avendano A, Stone W, **Schafer M**. Rock Out Workout: Cardiodrumming's Impact on Function with Down Syndrome. (2023) Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Rassi, S., Crandall, J., **Schafer, M.**, & Shake, M., Otto, S. (2022). Activity trackers and older adults. *Eastern Canada Sport and Exercise Psychology Symposium (ECSEPS)*, Ottawa, Ontario.

*Buoncristiani N, Toluoso DV, Arnett SW, Stone WS, **Schafer M**. The Validity of Perceptual Recovery Status on Monitoring Recovery During a High-Intensity Back Squat Session. National Strength and Conditioning Annual Meeting. New Orleans, LA, 2022

*Malone G, Stone WS, Toluoso DV, Arnett SW, Buoncristiani N, **Schafer M**. Validity of the Repetitions in Reserve Based Rating of Perceived Exertion Scale in Single Joint Exercise. National Strength and Conditioning Association Annual Meeting. New Orleans, LA, 2022.

*Dispennette AK, Focht B, Clark B, **Schafer M**, Shake M, Macy G, et al. Effects Of Bingocize® On Quality Of Life, Fall Risk, And Health Knowledge In Community-Dwelling Older Adults: 3096 Board #142 May 31 3:30 PM - 5:00 PM. *Med Sci Sports Exerc* 51(Supplement): 854, 2019.

Schafer MA, *Alvis M, Morris C, Garrard T, Hughes A, Hunt L, et al. Evidence-based Educational Brochures Influenced Beliefs And Improved Knowledge Regarding The Benefits Of Exercise During Pregnancy: 3109 Board #155 May 31 2:00 PM - 3:30 PM. *Med Sci Sports Exerc* 51(Supplement): 859, 2019.

Schafer MA, Jason Crandall K, Scott Lyons T, *Edens K, *Blankenship L, *Shaker N, et al. Impact Of Sit-stand Workstation Progressions On Stress, Focus, And Productivity In University Staff Members: 2899 Board #182 June 1 2 00 PM - 3 30 PM. Med Sci Sports Exerc 50(5S): 716, 2018.

Hoover DL, O'Brien J, Arnett SW, **Schafer MA**, Judge LW, Norris B. (2018) Field testing equations for predicting maximal anaerobic power. Annual Meeting of the National Strength and Conditioning Association. Indianapolis, IN.

*Edens K, **Schafer M**, Crandall J, Lyons S, *Vondy R, *Olenick A, *Blankenship L, Shaker N. (2018) Impact of utilizing sit-stand workstations for 10 weeks in university staff members. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Chattanooga, TN.

Hall AT, Morris CE, Forsythe S, Jordan T, **Schafer MA**, *Wiczynski TL, et al. Evaluation Of The Health And Physical Fitness And Factors Influencing Retention Of Scholastic Sports Officials In The Sport Of American Football: 782 Board #43 May 30 2 00 PM - 3 30 PM. Med Sci Sports Exerc 50(5S): 170, 2018.

Schafer MA, Hoover DL, *Wright J, *Reese M, Crandall KJ, *Olenick A, et al. Effect Of Sitting, Standing, And Walking Upon Physiological Measures During A Traditional College Lecture: 3244 Board #309 June 3, 2. Med Sci Sports Exerc 48: 928, 2016.

*Bubnis M, Crandall JK, **Schafer M**, Grieve F. Muscle Dysmorphia Comparisons Between High Intensity Functional Training And Traditional Strength Training Environments: 1124 Board #7 June 1, 3. Med Sci Sports Exerc 48: 306, 2016.

*Olenick A, Jason C, **Schafer MA**, *Battogtokh Z, Lyons ST, *Brown J, et al. Workstations To Increase Workplace Physical Activity And Reduce Sitting Time: A Pilot Study. Med Sci Sports Exerc 48: 137, 2016.

Schafer M, Hoover D, *Wright J, *Reece M, Lyons S, Crandall J, *Olenick A, *Brown J. (2016) Effect of Sitting, Standing, and Walking During a Traditional College Lecture. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Brown J, *Zagdsuren B, Crandall J, **Schafer M**, T. Lyons S, *Falls D, and *Olenick A. (2016) Workstations to increase workplace physical activity and reduce sitting time: A pilot study. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Perkins BE, **Schafer MA**, Hoover DL. Preparing a Student with Paraplegia for Health Fitness Specialist Certification: Functional Capacity Evaluation and Accommodation. Med Sci Sports Exerc 47: 367, 2015.

*Zagdsuren B, Evans GS, *Inman C, *Stone W, Arnett S, **Schafer M**, et al. Crossfit Vs. Circuit-training: Effects Of A Ten-week Training Program On Aerobic, Anaerobic And Flexibility Indicators. Med Sci Sports Exerc 47: 801, 2015.

Sobrero GL, *Inman C, Stone W, *Zagdsuren B, Arnett SW, **Schafer MA**, et al. Crossfit Vs. Circuit-trained Individuals: Effects Of A Ten-week Training Program On Body Composition And Bone Mineral Density. Med Sci Sports Exerc 47: 800, 2015.

*Brown JT, Sobrero GL, *Inman C, Stone W, *Zagdsuren B, Arnett SW, **Schafer M** et al. Crossfit Vs. Circuit-trained Individuals: Effects Of A Ten-week Training Program On Muscular Strength And Endurance. Med Sci Sports Exerc 47: 800, 2015.

*Wessel P, Sobrero GL, *Inman C, *Stone W, Arnett SW, **Schafer MA**, et al. Crossfit Vs. Circuit-trained Individuals: Effects Of A 10-week Training Program On Power. *Med Sci Sports Exerc* 47: 800, 2015.

Norris B, McMullen RS, *Weatherholt WT, Arnett SW, Judge LW, **Schafer MA**, Hoover DL. Cross-country cycling does not significantly affect bone mineral density measures. *J Strength Cond Res*; 2015: 29(S):

Judge LW, Bellar DM, Norris B, *McMullen RS, *Weatherholt WT, Arnett SA, **Schafer MA**, Hoover DL. Novice cyclists show improved aerobic fitness measures following ride across United States. *J Strength Cond Res*; 2015: 29(S):

Arnett SW, Norris B, *Weatherholt WT, *McMullen RS, Judge LW, **Schafer MA**, Hoover DL. Ratings of perceived exertion lessened following bike ride across America. *J Strength Cond Res*; 2015: 29(S):

*Weatherholt WT, *McMullen RS, *Inman CF, **Schafer MA**, Hoover DL. Bone Mineral Density Not Significantly Changed By Cycling Across The United States: 2326 Board #73 May 29, 11. *Med Sci Sports Exerc* 47: 622, 2015.

*McMullen RS, *Weatherholt WT, *Inman CF, **Schafer MA**, Hoover DL. Vo2 Max And Time To Volitional Failure Improved Following Bike Ride Across The United States: 3304 Board #65 May 30, 8. *Med Sci Sports Exerc* 47: 884, 2015.

Schafer M, Sobrero G, Arnett S, Lyons S, *Stone W, Navalta J, et al. Performance Indicators in ROTC Cadets After 12 Weeks of Training that Included CrossFit: 443 Board #281 May 28, 9. *Med Sci Sports Exerc* 46: 119, 2014.

Sobrero G, Arnett S, **Schafer M**, *Stone W, Lyons S, Esslinger, K, Esslinger, T, Crandall J, Maples J. Crossfit Vs. Resistance-training: Effects Of A Six-week Training Program On Selected Performance Indicators. *Med Sci Sports Exerc* 46(5): G29, 2014.

Hoover DL, **Schafer MA**, Evans B, *Besser T, *Finn D, O'Neill A. Static stretching does not affect ratings of perceived exertion during a graded cycling test. *Med Sci Sports Exerc* 46(5): S528, 2014.

*Stone, W.J.; **Schafer M.A.**, Lyons, T.S., Hoover, D., Evans, G., Maples, J., Crandall, J. "Twenty-Four Hour Post-Exercise Hypotension Following Concurrent Cardiovascular and Resistance Exercise" (2014). Presentation at the Annual Meeting of the Southeast American College of Sports Medicine. Greenville, SC.

G.L. Sobrero, *W.J. Stone, **M.A. Schafer**, S.W. Arnett, T.S. Lyons, J. Crandall, J. Maples, J.W. Navalta, S.D. Bean, F.T. Esslinger, K. Esslinger. (2014). Evaluation of Upper and Lower Body Power in First Year ROTC Cadets after One Semester of ROTC training that Included Crossfit. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine. Greenville, SC.

Schafer, M.A., Arnett, S.W., Sobrero, G., Lyons, T.S., Navalta, J.W., *Bean, S.D., Esslinger, F.T., Esslinger, K., *Stone, W.J., Bean, S., Goss, F.L. Evaluation of Muscular Endurance, Agility, and Flexibility In Healthy Trained Crossfit and Weight Trained Individuals. *Med Sci Sports Exerc* 45 (5): S130, 2013.

Lyons, T.S., Evans, G., **Schafer, M.A.**, Arnett, S.A., *Igaune, L. Determination of Repetitive Jumping Intensity Relative to Measured VO₂max. *Med Sci Sports Exerc* 45 (5): S32, 2013.

*Finn, F., Besser, T., O'Neill, A., Evans, B., **Schafer, M.A.**, Hoover, D. Static Stretching Does Not Affect VO₂ Max Or Time To Volitional Failure During Graded Cycling. *Med Sci Sports Exerc* 45 (5): S114, 2013

Arnett, S.W., Sobrero, G., **Schafer, M.A.**, Lyons, T.S., Navalta, J.W., *Stone, W.J., *Bean, S.D., Esslinger, F.T., Esslinger, K. Goss, F.L. Crossfit vs. Resistance-trained Individuals: Evaluation of Strength and Power. *Med Sci Sports Exerc* 45 (5): S130, 2013.

Sobrero, G., **Schafer, M.A.**, Arnett, S.W., Lyons, T.S., Navalta, J.W., Stone, W.J., *Bean, W.J., Esslinger, F.T., Esslinger K. Comparison of Aerobic and Anaerobic Power in Crossfit and Resistance Trained Individuals. *Med Sci Sports Exerc* 45 (5): S130 2013.

*Besser, T., Evans, B., Finn, D., O'Neill, A., **Schafer, M.A.**, Hoover, D.A. The Effects of Static Stretching on Metabolic Efficiency during a Graded Cycling Test. *Med Sci Sports Exerc* 45 (5): S428, 2013.

*O'Neill, A., Finn, D., Evans, B., *Besser, T., **Schafer, M.A.**, Hoover, D.A. The Effects of Static Stretching on Gross Motor Coordination during a Graded Cycling Test. *Med Sci Sports Exerc* 45 (5): S583, 2013.

Schafer, M.A., Arnett, S.W., Sobrero, G., Lyons, T.S., Navalta, J.W., *Stone, J.W., *Bean, S.D., Esslinger, F.T., Esslinger, K. (2013) Evaluation of Power in Crossfit vs. Weight Trained Individuals. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Stone, W.J., **Schafer, M.A.**, Sobrero, G., Arnett, S.W., Lyons, T.S., Navalta, J.W., Bean, S.D., Esslinger, F.T., Esslinger, K. (2013) Muscular Endurance, Agility, and Flexibility in Crossfit vs. Weight Trained Individuals. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

Arnett, S.W., Sobrero, G., **Schafer, M.A.**, Lyons, T.S., Navalta, J.W., Stone, W.J., *Bean, S.D., Esslinger, F.T., Esslinger, K. (2013) Assessment of 1RM Strength Between Crossfit and Resistance Trained Individuals. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Falls, D.G., Lyons, T.S., **Schafer, M.A.**, Durham K.F. (2013) Effectiveness of the Life Improving Functional Exercise (LIFE) Program on Physiological and Performance Variables in Elderly Adults. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

Sobrero, G., **Schafer, M.A.**, Arnett, S.W., Lyons, T.S., Navalta, J.W., Stone, W.J., *Bean, W.J., Esslinger, F.T., Esslinger K. (2013) Comparison of Aerobic and Anaerobic Power in Crossfit and Resistance Trained Individuals. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

Lyons, T.S., Gibson, F.W., Jackson, J.C., Sobrero-Evans G., Arnett, S.A., **Schafer M.A.** (2013) Examining Quality of Life and Health Satisfaction Factors of a Mid-South University Population. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

Schafer M.A., Navalta J.W., Arnett S.W., Lyons T.S., Sobrero G., *Bean S., *Sims S., *Kirkwood K. Goss F.L. Participation in a 10K Running Race Significantly Decreases Post Exercise Blood Pressure. *Med Sci Sports Exerc* 44 (5): S242, 2012.

*Friedman R.A., Lyons T.S., Navalta J.W., **Schafer M.S.**, Arnett S.A. Investigation Of C-reactive Protein And Leptin As Biomarkers Of Obesity With Potential Clinical Utility. *Med Sci Sports Exerc* 44 (5): S67, 2012.

*Bush J., **Schafer M.A.**, Arnett S., Navalta J., Lyons S., Sobrero G. (2012) Post-Exercise Hypotension in brief exercise. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Jacksonville, FL.

*Kirkwood D., Sims S., Igaune L., Navalta J.W., Lyons T.S., and **Schafer M.A.** (2012) Effect of different exercise test protocols on post-exercise hypotension. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Jacksonville, FL.

Navalta J.W., Lyons T.S., Whitlock S., *Kirkwood D., Arnett S.W., **Schafer M.A.**, and Sobrero G. (2012) The disease analog model and leptin may identify susceptible pre-obese African American women. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Jacksonville, FL.

Lyons T.S., Navalta J.W., **Schafer M.A.**, Arnett S.W., Sivley J.C., and *Livesay K.S. Comparative Analysis Of Heart Rate During Circuit Training Compared With Different Cardiovascular Training Apparatus. Med Sci Sports Exerc 43(5):404, 2011.

Navalta J.W., **Schafer M.A.**, *Fedor E.A., *Friedman R.A., Lyons S., and Arnett S.W. Lymphocyte Subset and Apoptotic Response to a 5K Road Race. Med Sci Sports Exerc 43(5):335, 2011.

*Kirkwood D.D., *Ziarten R.L., *Bean S.D., **Schafer M.A.**, Lyons S., Arnett S.W., Esslinger T., and Navalta J.W. Exercise-induced Apoptosis of Lymphocytes Does Not Depend on Anaerobic Training Status. Med Sci Sports Exerc 43(5):483-4, 2011.

*Bean, S.D., *Kirkwood, D.D., *Ziarten, R.L., **Schafer, M.A.**, Arnett, S.W. & Navalta, J.W. (2011). High Intensity Exercise Increases Cell Death of B-Lymphocytes (CD19) in Anaerobically Trained Individuals. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*D.D. Kirkwood, R.L. *Ziarten, S.D. *Bean, M.A. Schafer, T.S. Lyons, S.W. Arnett, F.T. Esslinger, J.W. (2011) Exercise-induced Apoptosis of Lymphocytes Does Not Depend on Anaerobic Training Status. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

Navalta, J.W., Lyons, T.S., Arnett, S.W., **Schafer, M.A.** & Esslinger, F.T. (2011). Utilizing On-line Lectures and Split Classes are Effective in Delivering Instruction to a Large Laboratory-Based Applied Exercise Physiology Course. 9th Annual Hawaii International Conference on Education. Honolulu, HI.

Navalta, J.W., McFarlin, B.K., Simpson, R.J., *Fedor, E.A., *Kell, H.B., *Lee, C.G., Lyons, T.S., Arnett, S.W. & **Schafer M.A.** (2010). A Methodology for Determining Exercise-induced Changes of Fractalkine in Lymphocyte Subsets. International e-Conference on Kinesiology and Integrated Physiology, <http://kinesiology.econferenceintl.com>.

Gallagher M.J., Robertson R.J., Nagle E.F., Goss F.L., **Schafer M.A.**, Hostler D., and Suyama J. Development of a Perceptual Hyperthermia Index to Evaluate Heat Strain during Treadmill Exercise. Med Sci Sports Exerc 42(5):670-1, 2010.

*Kell H.B., *Fedor E.A., Lee G., *Richardson D., *Navalta J.W., Lyons S., **Schafer M.A.**, and Arnett S.W. Maximal Exercise Significantly Affects Helper T-Cell (CD3+/CD4+) Count Compared to Rest and 1-h Post Exercise. Med Sci Sports Exerc 42(5):647, 2010.

*Lee G., *Fedor E.A., *Kell H.B., Navalta J.W., Lyons S., Richardson D.N., **Schafer M.A.**, and Arnett S.W.. No Relationship between Lymphocyte Apoptosis and Lymphocytopenia Post-exercise following Maximal Treadmill Running. *Med Sci Sports Exerc* 42(5):366-7, 2010.

Lyons S., Navalta J., **Schafer M.A.**, Arnett S., *Fedor E., *Lee G., and Kell H. Excess Postexercise Oxygen Consumption following Repeated Bouts of Anaerobic Exercise. *Med Sci Sports Exerc* 42(5):631, 2010.

Navalta J.W., *Fedor E.A., *Lee G., *Kell H.B., Lyons S., **Schafer M.A.**, Arnett S.W., McFarlin B.K., and Simpson R.J. Exercise Induces Apoptosis of Blood Lymphocytes but not in the Helper or Cytotoxic T Cell Subsets. *Med Sci Sports Exerc* 42(5):365, 2010.

*Richardson D, *Kell H, *Lee G, Fedo Er, **Schafer M.** (2010) No relationship between lymphocyte apoptosis and lymphocytopenia in the post-exercise period following maximal treadmill running. Presentation at the Annual Meeting of the Southeast American College of Sports Medicine, Greenville, SC.

*Sivley C., Navalta J., Lyons T.S., **Schafer M.** (2010) Effects of Repeated Anerobic Bouts on Plasma Levels of TH1/TH2 Cytokines and Caspase-3. Presentation at the Annual Meeting of the Midwest American College of Sports Medicine.

Schafer M., Goss F., Robertson R., Nagle E., and Kim K. Intensity Selection and Regulation using the OMNI Scale of Perceived Exertion during Intermittent Exercise. *Med Sci Sports Exerc* 40(5):S263, 2008.

Welikonich M., Koch K., Haile L., Mays R, **Schafer M.**, Goss F.L., Aaron D., and Robertson R.J. Self-Regulation of Exercise Intensity Using the OMNI RPE Scale During Intermittent Cycle Ergometry. *Med Sci Sports Exerc* 40(5):S265, 2008.

Schafer M.A., Koch K., Rothstein J., Goss F., Aaron D., and Robertson R. Self-regulation Of Exercise Intensity Using The Omni Rpe Scale During Intermittent Cycle Ergometer Exercise. *Medicine & Science in Sports & Exercise*. 2007;39(5):S485

Schafer M.A., Thekkada S.J., Gallagher M.J., Hunt S.E., Goss F.L., Aaron D.J., and Robertson R.J. Validation of the OMNI RPE Seven Day Effort Recall Questionnaire. *Med Sci Sports Exerc* 38(5):S79, 2006.

Thekkada S.J., Ghigiarelli J.J., **Schafer M.A.**, Goss F.L., Aaron D.J., and Robertson R.J. Validation of a OMNI RPE based 7-day recall questionnaire to assess session RPE. *Med Sci Sports Exerc* 38(5):S78, 2006.

Gairola A., Gallagher M.J., **Schafer M.**, Resler K., Goss F.L., Aaron D.J., Metz K.F., and Robertson R.J. Validation of the OMNI Walk/Run RPE Scale for Intermittent Treadmill Exercise. *Med Sci Sports Exerc* 38(5):S79, 2006.

Schafer, M., Presentation, Peripheral Arterial Disease. Science to Practice. 22nd Annual Cardiac & Pulmonary Conference, 2003.

Schafer, M., Presentation, Energy Expenditure in Cardiac and Pulmonary Patients. 22nd Annual Cardiac & Pulmonary Conference, 2003.

Schafer, M., Physical Activity and Health. Radio Interview, June 2000.

Schafer, M., Presentation, Determining a patient's physical work capacity. Coastal Area Health Education Center (AHEC), 1999.

Invited Presentations

- Schafer, M. Aging & State Health Insurance Assistance Program (SHIP). Lexington, KY **2024**
- Schafer, M. & Kaitlyn Gray. Women of Power Presentation @ CASHA **2024**
- Crandall, J. Schafer, M. Kaitlyn, G. Barren river Mental Health & Aging collation. MHA Conference Presentation. Knicely Center. **2024**
- Schafer, M. Kentucky Department of Aging Independent Living (DAIL). Webinar Training for Promoting Health Equity & COVID Immunizations in Underserved Populations Across Kentucky Using the Bingocize® **2023**
- Crandall, K.J. & Schafer, M. Bingocize® | Impactful Applied Research & Engaging Community and Students. Presentation for Western Kentucky University, Board of Regents Quarterly Meeting. **2023**
- Crandall, K.J. & M. Schafer. Bingocize®. Lincoln Trails Area Development District, Elizabethtown, Ky. **2015**
- Crandall, K.J. & M. Schafer. Bingocize®. Kentucky River Area Development District, Lexington, Ky. **2015**

Dissertation and Thesis Committees

- Kaitlyn Gray: Exploring the Role of Bingocize® Workshops in Enhancing Physical Health in Older Adults. Honors Thesis Chair, Mark Schafer. Committee, Jason Crandall & Sylvio Polly. **2024 -2025**
- Willarachilage Perera: Health professional communication regarding physical activity during pregnancy: is it appropriate and can BumptUp® influence it? Thesis Chair, Rachel Tinius. Committee, Mark Schafer & Dano Tulusso. Western Kentucky University. **2023 – 2024**
- Jada Shannon: Factors Affecting Mental Health of College-Aged Individuals. Thesis Chair, Rachel Tinius. Committee, Mark Schafer. **2023 – 2024**
- Nick Buoncristiani: *The Validity of Perceptual Recovery Status on Monitoring Recovery During a High-Intensity Back Squat Session*. Thesis Chair, Dano Tulusso. Committee Scott Arnett, Whitley Stone, Mark Schafer. Western Kentucky University. **2021-2022**
- Grant Malone: Thesis Chair, Whitley Stone Committee, Dano Tulusso, Scott Arnett, Mark Schafer. *Validity of the Repetitions in Reserve Based Rating of Perceived Exertion Scale in Single Joint Exercise*. Western Kentucky University. **2021-2022**
- Ariel Tomes: *Biopsychosocial effects of Bingocize® remote delivery in community-dwelling older adults*. Thesis Chair Jason Crandall. Advisors: Mark Schafer and Scott Lyons. Western Kentucky University.

2020 - 2021

Griffin Green: *Validation of a New VO₂max Protocol for Cardiorespiratory Fitness Testing*.
Thesis Chair Scott Lyons. Advisors: Mark Schafer and Dano Toluoso. Western Kentucky University.

2019 - 2020

Rassi, Sepehr: *Effects Of Bingocize® On Overall Physical Activity, Functional Performance, Blood Glucose Level, Sleep Quantity And Quality Among Older Adults in Long-Term Care Facilities*. Thesis Chair Jason Crandall Advisors: Matthew Shake and Mark Schafer. Western Kentucky University. 2019 – 2020

Elise VanMeter: *An examination of factors that affect male body image in college students*. Thesis Advisors: Rick Grieve, Ryan Farmer, and Mark Schafer. Western Kentucky University, Department of Psychology.

2018

Kathryn Dispenette: *The effects of Bingocize on fall risk, health knowledge, and quality of life in community-dwelling older adults*. Thesis Advisors: Jason Crandall and Mark Schafer. Western Kentucky University.

2018

TJ Gerking: *Effects of Resistance Training on Kinetic Outcomes during a Heavy Conventional Deadlift Exercise*. Thesis Advisors: Scott Arnett, Mark Schafer, Lee Winchester. Western Kentucky University.

2018

Teresa Wiczynski: *Interactions Between Aerobic Exercise Intensity, Academic Stress, and Immune Function*. Thesis Advisors: Lee Winchester, Scott Arnett, and Mark Schafer. Western Kentucky University, 2018.

Jason Wright, Melissa Reece, K. & Jason Crandall. *Effect of Sitting, Standing, and walking during a traditional college lecture*. Advisors Mark Schafer and Donald L. Hoover. Western Kentucky University, Department of Physical Therapy. 2015

Whitley Stone: *24-Hour Post-exercise Hypotension Following Concurrent Aerobic and Resistance Exercise*. Thesis Chair: Mark Schafer. Western Kentucky University.

2013 – 2014

Battogtokh Zagdsuren: *The effects of jump training on bone mineral density in young adult females*. Advisors: Scott Lyons, Mark Schafer, Scott Arnett. Western Kentucky University. 2013

Jeremiah Bush: *Post-Exercise Hypotension in Brief Exercise*. Thesis Chair: Mark Schafer. Thesis Advisers: James Navalta, Scott Lyons, Scott Arnett. Western Kentucky University. 2011

Rachel Friedman: *Investigation of C-Reactive Protein and Leptin as Biomarkers of Obesity with Potential Clinical Utility*. Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer, Scott Arnett. Western Kentucky University.

2011

Holly Kell: *Effects of a Simulated Tennis Match on Lymphocyte Subset Measurements*. Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer. Western Kentucky University.

2010

Elizabeth Fedor: *Caffeine Supplementation and Moderate Intensity Exercise Modulates the Cytotoxic Lymphocyte Subset (CD+8) in Naive and Tolerant Individuals*. Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer. Western Kentucky University. 2010

Carrie E. Varvil: *Effects of a Topical Analgesic Using Massage on Delayed Onset Muscle Soreness*. Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer. Western Kentucky University.

2009

Emily Jenson: *Prevalence of childhood obesity: A Study on bowling Green, KY Middle School students*.

Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer. Western Kentucky University. **2009**

Cody Sively: *The Effects of Repeated Anaerobic Bouts on Immune Parameters.*

Thesis Advisers: James Navalta, Scott Lyons, Mark Schafer. Western Kentucky University. **2009**

Mike Gallagher: *Development and Validation of a Perceptual Hyperthermia Index (PHI) in the Assessment of Heat Strain.* Dissertation Advisers: R. J. Robertson, D Hostler, F Goss, Elizabeth Nagle-Stilley, M Schafer. University of Pittsburgh.

2009

Ryan Mays: *Validation of Adult OMNI Perceived Exertion Scales for Elliptical Ergometry.*

Dissertation advisers: Fredric L. Goss, Robert J. Robertson, Elizabeth F. Nagle-Stilley, Kevin H. Kim, Mark A. Schafer. University of Pittsburgh. **2009**

AWARDS

Emily M. Haymes Mentoring award - Southeast American College of Sports Medicine (SEACSM) **2022**

Faculty Award for Student Advisement - College of Health and Human Services (CHHS) **2021**

WKU Faculty Mentoring Award – Provost and Vice President for Academic Affairs **2018**

SERVICE

College of Health and Human Services (CHHS)

Academic Complaint Committee **2024**

Undergraduate Curriculum Committee **2017 - 2023**

Recruiting & Retention Workshop **2021 – Present**

First Generation Advocate **2022 - Present**

Career day **2013 – 2020**

Sabbatical and Awards Committee **2020 – 2022**

Faculty research mentor – Dr. Mike Kennedy **2019–2020**

WKU REACH week Judge for poster presentations **2016 – 2020**

Faculty Marshall for CHHS Commencement Ceremony **2018**

CHHS academic complaint committee **2016 & 2024/25**

CHHS Representative for faculty development **2014**

Western Kentucky University (WKU)

Academic Program Review (APR) Committee Psychology (760)	2025
Academic Program Review (APR) Committee Heath Sciences (564)	2024
Faculty Senate, At-Large Senator	2018 – 2020
Academic Quality Committee	2018 - 2020
Faculty Senate, Senate Representative	2008 - 2011
Undergraduate Curriculum Committee, Senate Representative Alternate	2010 - 2011
Undergraduate Curriculum Committee, Senate Representative	2009 - 2010

School of Kinesiology, Recreation & Sport (KRS)

EXS 223 Introduction to Exercise Science Colonnade committee	2022 - 2023
Exercise Science (BS) Program Coordinator	2013 – 2022
Kinesiology (MS) Program Coordinator	2014 – 2020
Chair, Assurance of Student Learning - (ASL) Exercise Science & Kinesiology	2018 -2021
Grow & Enhance Funds – Facilitator of \$60,000 in funds for Exercise Science equipment	2019
Chair, Comprehensive Academic Program Evaluation (CAPE) Exercise Science & Kinesiology	2018
Chair, Exercise Science Faculty search committee	2018 - 2019
Exercise Science – Facebook, Instagram, and Twitter Social Media	2016 to Present
KRS Continuance and Tenure & Promotion committee	2017 – Present
Chair, KRS Continuance and Tenure & Promotion committee	2015 - 2017
Chair, Exercise Science Faculty search committee	2016
Chair, Exercise Science Faculty search committee	Fall 2015
Chair, Exercise Science Faculty search committee	Spring 2015
Chair, Exercise Science Faculty search committee	2014
Exercise Science webpage coordinator.	2012 – 2015
Founder and Faculty Advisor of the Exercise Science Club	2008 - 2015

Faculty Advisor for the WKU Run Club	2012 – 2014
KRS Director search committee	Fall 2014
Faculty search committee for Physical Education	2008, 2009, and 2013
Faculty Advisor for the WKU Hillbomber's Longboard Club	2012 – 2013
Exercise Science Faculty search committee	2012
Exercise Science Faculty search committee	2011
KRS, Instructor search committee	2008, 2011, and 2012
Buildings and space committee, Kinesiology, Recreation and Sport representative	2011 – 2012
Master Adviser Certificate (MAC)	2010
Recruiting & Student Engagement - WKU, CHHS, KRS, and Exercise Science	2008 to present
Academic Transitions Program (ATP) / TOP advising	
Majors and Minors fair	
M.A.S.T.E.R Plan	
Head for the Hill	
Professional service	
International Journal of Exercise, Clinical Exercise Physiology - Section Editor	2009 to present
Southeast American College of Sports Medicine (SEACSM)	
SEACSM Mentoring committee	2023-
SEACSM Member At Large – Nominated	2021
Chair, SEACSM Speaker Tour	2019 – 2020
Mentor, SEACSM Leadership Diversity Training Program (LDTP)	2020
Abstract reviewer, SEACSM Annual Conference	2010, 2012, 2013, 2014, 2018, 2019, 2020, 2021, 2022, 2023, 2024 & 2025
SEACSM Abstract reviewer (Top 8)	2023 & 2025
SEACSM Chair, Conference Symposium	2023
SEACSM Abstract Review for Student Poster Awards	2021
Judge, Undergraduate Student Poster Competition	2021

Chair, SEACSM Tutorial session	2012, 2020, 2022 & 2025
Judge, SEACSM Quiz Bowl	2019
Chair, Free communication session at annual SEACSM conference	2010
American College of Sports Medicine (ACSM) Annual Meeting & World Congress	
Abstract Reviewer	2023 & 2024
Chair – Thematic Poster. Fitness Assessment in Collegiate Athletes.	2023

Professional Manuscript reviews

<i>PCI Health & Movement Science</i> . Perceived exertion and pain during aerobic exercise differ by body mass index classification in college-aged women.	2023
<i>European Journal of Sports Science</i> . RPE during concentric and eccentric cycling: Are we measuring effort or exertion?	2016
<i>BMC Cardiovascular Disorder</i> . Resistance exercise leading to failure versus not to failure: effects on cardiovascular control.	2013
<i>Diabetology</i> . Effects of eight weeks of resistance training on the risk factors of metabolic syndrome in overweight /obese women - "A Pilot Study"	2012
<i>International Journal of Exercise Science</i> . A Study of Exercise Training In Coronary Artery Bypass Graft Surgery Patients to Improve Their Exercise Capacity (6MWTD)	2011
<i>International Journal of Exercise Science</i> . Arm positioning and pulmonary function, repeated measures, experimental study.	2010
<i>Lipids</i> . Postprandial lipemia detects the effect of soy protein on cardiovascular disease risk compared with the fasting lipid profile.	2010
<i>International Journal of Exercise Science</i> . Performance Following Adaptation To Hypoxemia Induced By Breath Holding In Exercise.	2009
<i>International Journal of Exercise Science</i> . Parameters of Walking and Jogging in Healthy Young Adults.	2009

Community Service

Fortify – Youth leader. Crossland Community Church	2016 – 2020
Deacon for the Presbyterian Church of Bowling Green, KY	2011 - 2014
Sunday school youth leader. Presbyterian Church of Bowling Green, KY	2011 to 2014
Assistant Soccer coach. SKY soccer girls age 6	2010 to 2012
Head Soccer coach. SKY soccer girls U13 Fall	2012 - 2015
Field Day volunteer at Potter Gray Elementary	2009
Accelerated reader volunteer for Potter Gray Elementary	2010
Guest Speaker. Say Yes to Health, Right Choice, Right Now. Bowling Green Junior High	2012