

WILLIAM P. MCCORMACK
Assistant Professor
Department of Health and Human Sciences
Loyola Marymount University
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EDUCATION

PhD 2014 Exercise Physiology
University of Central Florida
Dissertation: Effect of Acute L-Alanyl-L-Glutamine
(Sustamine™) and Electrolyte Ingestion on Plasma Electrolytes,
Physiologic Measures, and Neuromuscular Fatigue during
Endurance Exercise

MA 1989 Exercise Physiology
University of Georgia
Thesis: Validation of FITNESSGRAM One-Mile Run/Walk
Criterion-Referenced Standards

BS 1982 Business Administration
United States Naval Academy

PROFESSIONAL EXPERIENCE

Assistant Professor Loyola Marymount University (2014 to present)
Department of Health and Human Sciences
Classes Taught:
HHSC 380 Kinesiology
HHSC 475 Exercise Physiology
HHSC 476 Exercise Physiology Lab
HHSC 190 Medical Terminology
HHSC 481 Biomechanics Lab
HHSC 156 Anatomy and Physiology I Lab
HHSC 256 Anatomy and Physiology II Lab
HHSC 398 Global Sports Science
HHSC 499 Sports Science Research

Graduate Assistant Doctoral Student (2011 to 2014)
Sport and Exercise Science
Human Performance Lab
University of Central Florida
Classes Taught:

PET 3005 Introduction to Sport and Exercise Science
PET 4143 Current Topics in Sport and Exercise Science
Conducted laboratory testing including VO₂max, lactate threshold, electromyography, Isokinetic measurements, Wingate testing, and analysis of various blood markers

Wellness Director

Oviedo YMCA (2010)
Oviedo, FL
Led staff of 55 at YMCA with 7,500 members
Member of Central Florida YMCA Certification Committee

Director

Navy Human Performance Center (2007 – 2009)
Orlando Detachment
Orlando, FL
Conducted Human Performance Improvement and Science of Learning projects.

Officer in Charge

Naval Survival Training Institute, East Region (2003 – 2007)
Norfolk, VA
Responsible for the instruction and training of high risk Aviation Physiology and Water Survival to Navy and Marine Corps aircrew
Detachment trained in excess of 5,000 students per year

Director

Human Performance Laboratory (2000 – 2003)
United States Naval Academy, Annapolis, MD
Classes Taught:
PE101 Personal Conditioning
NE203 Ethics for the Junior Officer
Responsible for the physical fitness of the 4,200 member Brigade.
Conducted laboratory testing of midshipmen and staff members, including maximal aerobic capacity, blood lactate analysis, and power output

Program Manager

Naval Air Systems Command (1998 – 2000)
Naval Air Station Patuxent River, MD
Responsible for multi-million dollar training and education budget
Responsible for the purchase and upkeep of over 100 training devices worth in excess of \$16M
Led Project Team that purchased Virtual Reality Parachute Descent Trainer

Director

Aviation Survival Training Center (1995 – 1998)
Marine Corps Air Station El Toro, CA
Led 17 personnel instructing high risk Aviation Physiology and Water Survival to Navy and Marine Corps aircrew

Trained in excess of 2,500 aircrew annually
Classes Taught:
Environmental/Aviation Physiology
Sensory Physiology and Spatial Orientation
Acceleration Physiology
Stress and Human Performance
Ejection, Bailout, and Crash Survival

Safety Officer Marine Aircraft Group 11 (1992 – 1995)
Marine Corps Air Station El Toro, CA
Classes Taught:
Acceleration Physiology
Night Vision and Night Vision Devices
Exercise, Nutrition, and Human Performance
LASER System Safety

Director Hospital Corps and Medical Service Corps Training (1990 – 1992)
Naval Aerospace and Operational Medical Institute, Pensacola, FL
Oversaw the training of Navy Corpsmen and Medical Service
Corps Officers.
Classes Taught:
Human Anatomy and Physiology
Exercise Science
Aviation, Environmental, Sensory, and Acceleration Physiology

Graduate Assistant University of Georgia Exercise Physiology Lab, (1988 – 1989)
Classes Taught:
Kinesiology Laboratory
Exercise Physiology Laboratory

Instructor Department of Professional Development (1985 – 1987)
United States Naval Academy, Annapolis, MD
Plans and Analysis Officer
Oversaw Midshipman Professional Competency Examination
Classes Taught:
NL110 Introduction to Naval Leadership
Third World Threats
Sensors and Deception
Naval Tactical War-gaming

Intelligence Officer Attack Squadron Twelve (1982 – 1985)
Naval Air Station Cecil Field, Jacksonville, FL
Responsible for aircrew threat knowledge and recognition
NATO Exercise Display Determination Planning and Briefing
Coordinator
Senior Aircrew briefer on USS Dwight D. Eisenhower (CVN-69)

PEER REVIEWED PUBLICATIONS

Manuscripts Published, Ahead of Print or In-Press (* indicates student co-author):

1. **WP McCormack**, CJ Yoo*, KM Harpstrite*, TC Shoepe, CA Jennings, LM Capel*, CE Copley*, WP McCormack, III*, Submaximal neuromuscular economy is related to cardiorespiratory fitness in endurance-trained runners, *Journal of Electromyography and Kinesiology*, ahead of print.
2. **WP McCormack**, TC Shoepe, J LaBrie, and HC Almstedt, Bone mineral density, energy availability, and dietary restraint in collegiate cross-country runners and non-running controls *European Journal of Applied Physiology*, in press. <https://doi.org/10.1007/s00421-019-04164-z>
3. **McCormack, W.P.**, Shoepe, T.C., Almstedt, H.C., Jennings, C.A., & Capel, L.M*. (2018). Velocity at maximal oxygen uptake best predicts 3 km race time in collegiate distance runners. *Journal of Human Sport and Exercise*, 13(3). doi:<https://doi.org/10.14198/jhse.2018.133.13>
4. EH Robinson IV, JR Stout, DH Fukuda, TC Scanlon, NS Barnini, **WP McCormack**, GT Mangine, AJ Wells, KS Beyer, LP Oliveira, JR Hoffman. Ultrasound Determined Muscle Quality is Associated with Neuromuscular Fatigue and Mobility in Older Adults-A Pilot Study. *Jacobs Journal of Gerontology*, 2016, 2 (1), 018.
5. Bohner JD, Hoffman JR, **McCormack WP**, Scanlon TC, Townsend JR, Stout JR, Fragala MS, Fukuda, DH. Moderate altitude affects high intensity running performance in a collegiate women's soccer game. *Journal of Human Kinetics*, 47/2015, 147-154.
6. **WP McCormack**, JR. Hoffman, GJ Pruna, AR Jajtner, JR Townsend, JR Stout, MS Fragala, DH Fukuda. Effects of L-Alanyl-L-Glutamine Ingestion on Performance and Neuromuscular Fatigue. *Journal of the American College of Nutrition*. DOI: 10.1080/07315724.2015.1009193.
7. **WP McCormack**, JR. Hoffman, GJ Pruna, TC Scanlon, JD Bohner, JR Townsend, AR Jajtner, JR Stout, MS Fragala, DH Fukuda. Reduced High Intensity Running Rate in Collegiate Women's Soccer when games are separated by 42-hours. *International Journal of Sports Physiology and Performance*. 2015 May; 10(4):436-9.
8. GJ Pruna, JR Hoffman, **WP McCormack**, JR Stout, MS Fragala, DH Fukuda, Effect of L-Alanyl-L-Glutamine and Electrolyte Ingestion on Cognitive Function and Reaction Time Following Endurance Exercise. *European Journal of Sport Science*. Eur J Sport Sci. 2016 Feb;16(1):72-9.
9. JR Stout, MS Fragala, JR Hoffman, EH Robinson IV, **WP McCormack**, JR Townsend, AR Jajtner, NS Emerson, LP Oliveira, DH Fukuda. C-terminal Agrin Fragment is Inversely Related to Neuromuscular Fatigue in Older Men. *Muscle and Nerve*, 2015 Jan; 51(1):132-3.

10. D Reardon, JR Hoffman, JR Stout, GT Mangine, AM Gonzalez, JT Townsend, AR Jajtner, AJ Wells, **WP McCormack**, MS Fragala, DH Fukuda. Do changes in muscle architecture affect postactivation potentiation. *Journal of Sport Science and Medicine*. 13: 483-492, 2014.
11. NS Emerson, DH Fukuda, JR Stout, EH Robinson, **WP McCormack**, TC Scanlon, AM Warren, AJ Wells, AM Gonzalez, GT Mangine, MS Fragala, and JR Hoffman. Physical Working Capacity at Fatigue Threshold (PWCFT) is Associated with Sarcopenia-Related Body Composition and Measures of Functionality in Older Adults. *Archives of Gerontology and Geriatrics*, 2014 Sep-Oct;59(2):300-4.
12. **WP McCormack**, JR Stout, AJ Wells, AM Gonzalez, GT Mangine, MS Fragala, and JR Hoffman. Predictors of high intensity running capacity in women during a soccer game. *Journal of Strength and Conditioning Research*, 28: 964-970, 2014.
13. JR Hoffman, G Landau, JR Stout, M Dabora, DS Moran, N Sharvit, MW Hoffman, Y Ben Moshe, **WP McCormack**, G Hirschhorn, I Ostfeld. B-alanine supplementation improves tactical performance but not cognitive function in combat soldiers. *Journal of the International Society of Sports Nutrition*, 11: 15, 2014.
14. AJ Wells, JR Hoffman, KS Beyer, AR Jajtner, AM Gonzalez, JR Townsend, GT Mangine, EH Robinson IV, **WP McCormack**, MS Fragala, and JR Stout. Reliability of the Dynavision™ D2 for Assessing Reaction Time Performance. *Journal of Sports Science & Medicine*, 13: 145-150, 2014.
15. JR Townsend, MS Fragala, AR Jajtner, AM Gonzalez, AJ Wells, GT Mangine, EH Robinson 4th, **WP McCormack**, KS Beyer, GJ Pruna, CH Boone, TM Scanlon, JD Bohner, JR Stout, and JR Hoffman. β -Hydroxy- β -Methylbutyrate (HMB)-Free Acid Attenuates Circulating TNF- α and TNFR1 Receptor Expression Post-Resistance Exercise. *Journal of Applied Physiology*, 115(8): 1173-82, 2013
16. AR Jajtner, JR Joffman, TC Scanlon, AJ Wells, JR Townsend, KS Beyer, GT Mangine, **WP McCormack**, JD Bohner, MS Fragala, and JR Stout. Performance and Muscle Architecture Comparisons between Starters and Non-Starters in National Collegiate Athletic Association Division I Women's Soccer. *Journal of Strength and Conditioning Research*, 27(9): 2355-2365, 2013.
17. **WP McCormack**, JR Stout, NS Emerson, TC Scanlon, AM Warren, AJ Wells, AM Gonzalez, GT Mangine, EH Robinson, IV, MS Fragala, and JR Hoffman. Oral Nutritional Supplement Fortified with Beta-Alanine Improves Physical Working Capacity in Older Adults: A Randomized, Placebo-Controlled Study. *Experimental Gerontology*, 48(9): 933-939, 2013.
18. AJ Wells, JR Hoffman, AM Gonzalez, JR Stout, MS Fragala, GT Magine, **WP McCormack**, AR Jajtner, JR Townsend and EH Robinson, IV. Phosphatidylserine and caffeine attenuate postexercise mood disturbance and perception of fatigue in humans. *Nutrition Research*, 33(6): 464-472, 2013.

19. AM Gonzalez, AJ Wells, JR Hoffman, JR Stout, MS Fragala, GT Mangine, **WP McCormack**, JR Townsend, AR Jajtner, NS Emerson, EH Robinson, IV. Reliability of the Woodway Curve™ non-motorized treadmill for assessing anaerobic performance. *Journal of Sports Science & Medicine*, 12(1): 104-108, 2013.
20. GT Mangine, AM Gonzalez, **WP McCormack**, JR Stout, and JR Hoffman. The effect of a dietary supplement (N-oleyl-phosphatidyl-ethanolamine and epigallocatechin gallate) on dietary compliance and body fat loss in adults who are overweight: a double-blind, randomized control trial. *Lipids in Health and Disease*, 11: 127, 2012.
21. JR Hoffman, JR Stout, DR Williams, AJ Wells, MS Fragala, GT Magine, AM Gonzalez, NS Emerson, **WP McCormack**, TC Scanlon, M Purpura, and R Jaeger. Efficacy of Phosphatidic Acid Ingestion on Lean Body Mass, Muscle Thickness and Strength Gains in Resistance-Trained Men - A Pilot Study. *Journal of the International Society of Sports Nutrition*. 9:47, 2012. doi:10.1186/1550-2783-9-47.
22. **WP McCormack**, JR Hoffman. Caffeine, Energy Drinks, and Strength-Power Performance. *Strength & Conditioning Journal*, 34(4): 11-14, 2012.
23. JR Hoffman, DR Williams, NS Emerson, MW Hoffman, AJ Wells, DM McVeigh, **WP McCormack**, GT Mangine, AM Gonzalez, and MS Fragala. L-alanyl-L-glutamine ingestion maintains performance during a competitive basketball game. *Journal of the International Society of Sports Nutrition*, 9(1): 4, 2012, doi: 10.1186/1550-2783-9-4.
24. KJ Cureton, MA Sloniger, DM Black, **WP McCormack**, and DA Rowe, Metabolic determinants of the age-related improvement in one-mile run/walk performance in youth. *Medicine and Science in Sports and Exercise*, 29: 259-267, 1997.
25. KJ Cureton, MA Sloniger, JP O'Bannon, DM Black, and **WP McCormack**. A generalized equation for prediction of VO₂peak from 1-mile run/walk performance. *Medicine and Science in Sports and Exercise*, 27: 445-451, 1993.
26. **WP McCormack**, KJ Cureton, TA Bullock, and PG Weyand. Metabolic determinants of 1-mile run/walk performance in children. *Medicine and Science in Sports and Exercise*, 23: 611-617, 1991.

Manuscripts in Review:

1. HL Goell*, SH Deen*, and **WP McCormack**. Utilizing vibromyography to analyze muscular activity during a cycle ergometry test: a pilot study. BIOS. In Review
2. CE Gallagher Poehls*, JB Tran*, **WP McCormack**, SL Strand. NeuroTracker Cognitive Function and its Relationship to GPA in College Students. Yale Undergraduate Psychology Journal. In Review.

Technical Reports:

Marine Aircraft Group 11 Squadron LASER System Safety Officer Technical Manual, MAG-11 LSSO 001, 1994

Marine Aircraft Group 11 Night Vision Device Training Manual, MAG-11 NVG 001, 1994

ACADEMIC, PROFESSIONAL AND ADVISORY BOARDS AND COMMITTEES

1. Interim Member, Institutional Review Board, Loyola Marymount University, Fall 2019.
2. Freshman Advising Committee, Seaver College of Science and Engineering, Loyola Marymount University, 2014 to present.
3. Commander, Naval Personnel Command, Total Force Planning and Management Working Group, 2008 – 2009.
4. Commander, Naval Personnel Command, Roadmap Integrated Product Team Working Group, 2008 – 2009.
5. Bureau of Medicine and Surgery Naval Aerospace Physiology Program Planning Committee, 2003 – 2007.
6. Bureau of Medicine and Surgery Trainer Management Team, 2003 – 2007, 1998 – 2000.
7. Naval Operational Medicine Institute Strategic Advisory Board, 2003 – 2005.
8. Naval Operational Medicine Institute Position Management Board 2003 – 2005.
9. Naval Operational Medicine Institute Executive Steering Committee, 2003 – 2005.
10. United States Naval Academy Safety Policy Council, 2000 – 2003.
11. Naval Operational Medicine Institute Curriculum Advisory Board, 1995 – 1998.
12. Naval Aviation Life Support Operational Advisory Group, 1995 – 1998.
13. Space and Naval Warfare Command LASER Systems Safety Working Group, 1993 – 1995.
14. Naval Aerospace and Operational Medicine Institute Total Quality Leadership Process Action Team, 1991 – 1992.
15. Naval Aerospace and Operational Medicine Institute Enlisted Evaluation and Review Board, 1991 – 1992.

16. Naval Aerospace and Operation Medicine Institute Faculty and Academic Advisory Review Committee, 1991 – 1992.

PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS

Member, American College of Sports Medicine, 1989 – present

Member, National Strength and Conditioning Association, 2011 – present

Certified Exercise Physiologist, American College of Sports Medicine, 1999

Certified Aerospace Physiologist, Aerospace Medical Association, 1997

Certified LASER Safety Officer Instructor, Space and Naval Warfare Command, 1994

Certified Night Vision Device Instructor, Marine Aviation Weapons and Tactics Squadron, 1993

HONORS AND AWARDS

Awarded University of Central Florida Graduate Education Doctoral Fellowship for 2013 – 2014 Academic Year

Awarded University of Central Florida Graduate Education Doctoral Fellowship for 2012 – 2013 Academic Year

Awarded 2012 National Strength and Conditioning Association Challenge Scholarship

Awarded University of Central Florida Provost Fellowship for 2011 – 2012 Academic Year.

Awarded Navy Meritorious Service Medal for sustained superior performance leading the Orlando Detachment of the Navy Human Performance Center, 2008.

Awarded Navy Meritorious Service Medal for sustained superior performance leading the East Detachment of the Naval Survival Training Institute, 2007.

Awarded Navy Commendation Medal as Director of the Naval Academy Human Performance Lab, 2003.

Awarded Navy Commendation Medal for duties as an Assistant Program Manager for Aviation Physiology Training programs while stationed at the Naval Air Systems Command, 2000.

Awarded Navy Commendation Medal for duties as the Director of the Aviation Survival Training Center at El Toro, CA, 1998.

Awarded Chief of Naval Operations Letter of Appreciation for curriculum development and instruction of US Marine Corps ground forces conducting Ship-to-Shore transfer operations, 1998.

Awarded Navy Commendation Medal for duties as the Director of the Hospital Corp and Medical Service Corps Programs at the Naval Aerospace Medicine Institute, 1992.

Awarded Navy Achievement Medal for curriculum development and instruction of the Navy Aircrew Common Ejection Seat, 1991.

RESEARCH PRESENTATIONS

(* Indicates student)

T.C. Shoepe, **W.P. McCormack**, J.W. LaBrie, and H.C. Almstedt. Muscle Quality Differences in Males and Female Cross-Country Runners. 2019 World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, Paris, FR.

A.M. Sarbaum*, J.L. Roper, and **W.P. McCormack**. Comparison of Quadriceps – Hamstring Ratios in Male Soccer Athletes During Drop Landings. 2019 Loyola Marymount University Undergraduate Research Symposium.

D.M. Eitan*, J.L. Roper, and **W.P. McCormack**. Comparison of Quadriceps to Hamstrings Ratios and Isokinetic Torque During Cutting. 2019 Loyola Marymount University Undergraduate Research Symposium.

M. A. Avila*, R. E. Harris*, A. E. Kelly*, and **W. P. McCormack**. An examination of leg force production in youth soccer athletes. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

R. S. Bae* and **W. P. McCormack**. Leg force production and rate of force development in Division I soccer women. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

B. L. Beermann*, D. G. Lee*, **W. P. McCormack**, and H. C. Almstedt. Dietary habits of a Division I cross-country team. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

S. H. Deen*, and **W. P. McCormack**. A 15-month examination of running and electromyographic economy in Division I cross-country runners: A pilot study. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

C. E. Gallagher Poehls*, J. B. Tran*, **W. P. McCormack**, and S. L. Strand. Neurotracker cognitive tracking function and its relationship to grade point average in college students. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

H. L. Goell*, S. H. Deen*, and **W. P. McCormack**. Utilizing vibromyography to analyze muscular activity during a cycle ergometer test: A pilot study
2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

L. P. Morris II*, H. L. Goell*, and **W. P. McCormack**. A study of force production and muscle quality in the push and non-push legs of collegiate skateboarders. 2017 Southwest Chapter of the American College of Sports Medicine Meeting, Long Beach, CA.

W. P. McCormack, H. C. Almstedt, T. C. Shoepe, C. A. Jennings. A 1-Year Longitudinal Study of the Bone Mineral Density of Division I College Distance Runners. 2017 American College of Sports Medicine Annual Conference, Denver, CO.

B.L. Beermann*, R.S. Bae*, S.H. Deen*, M.L. Green*, T.M. Peterson*, **W.P. McCormack**. A Study of Leg Force Production in Collegiate Soccer Women. 2017 Loyola Marymount University Undergraduate Research Symposium.

B.H. Batcheller*, T.C. Shoepe, **W.P. McCormack**, H.C. Almstedt, C.A. Jennings. Muscle Quality and endurance training: A cross-sectional examination in collegiate cross-country athletes. 2016 Southwest Chapter of the American College of Sports Medicine Meeting, Costa Mesa, CA.

W.P. McCormack, H.C. Almstedt, T.C. Shoepe, L.T.C. Shorrock, C.A. Jennings, L.M. Capel*, C.M. Cronenweth*, S.A. Maltz*, Gender Differences in Hip, Forearm, and Spine BMD T-scores in Young Adult Distance Runners. 2016 American College of Sports Medicine Annual Conference, Boston, MA.

T.S. Shoepe, **W.P. McCormack**, H.C. Almstedt, L.T.C. Shorrock, C.A. Jennings, L.M. Capel*, Relationship Between Grip Strength and Medicine Ball Throw in Young Adult Distance Runners. 2016 American College of Sports Medicine Annual Conference, Boston, MA.

W.P. McCormack, E.H. Robinson IV, D.H. Fukuda, K.S. Beyer, J.R. Stout, FACSM, J.R. Hoffman, FACSM, Pedaling Cadence and Leg Dominance do not Influence Mean Power Frequency Fatigue Thresholds during Cycling, 2015 American College of Sports Medicine Annual Conference, San Diego, CA.

JR Hoffman, **WP McCormack**, GJ Pruna, AR Jajtner, JR Townsend, MB La Monica, AJ Wells, JR Stout, MS Fragala, DH Fukuda. L-Alanyl-L-Glutamine Ingestion Improves Time to Exhaustion and Reaction Following Prolonged Endurance Exercise. 2014 American College of Sports Medicine Conference on Integrative Physiology of Exercise, Miami, FL.

WP McCormack, DH Fukuda, GJ Pruna, AR Jajtner, JR Townsend, MB Lamonica, JR Hoffman, FACSM, MS Fragala, JR Stout, FACSM. Submaximal Neuromuscular Economy Displays Strong Relationship to Cardiorespiratory Fitness in Endurance Trained Men. 2014 American College of Sports Medicine Annual Conference, Orlando, FL

JR Hoffman, FACSM, G Landau, JR Stout, M Dabora, DS Moran, FACSM, N Shavit, MW Hoffman, YB Moshe, **WP McCormack**, G Hirschhorn, I Ostfeld. β -Alanine Supplementation Improves Tactical Performance but not Cognitive Function in Combat Soldiers. 2014 American College of Sports Medicine Annual Conference, Orlando, FL

WP McCormack, NS Emerson, JR Stout, FACSM, TC Scanlon, AM Warren, AJ Wells, AM Gonzalez, GT Mangine, EH Robinson IV, JR Hoffman, FACSM, and MS Fragala. Oral Nutritional Supplement Fortified With Beta-Alanine Improves Physical Capacity and Muscle Function in Older Adults. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

TC Scanlon, **WP McCormack**, JD Bohner, AJ Wells, AR Jajtner, JR Townsend, NS Emerson, AM Gonzalez, EH Robinson IV, GJ Pruna, CH Boone, MS Fragala, JR Hoffman FACSM, JR Stout FACSM. Muscular Power Correlates to Echo Intensity and Muscle Architecture in NCAA Division I Female Soccer Players. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

GJ Pruna, MS Fragala, **WP McCormack**, TC Scanlon, AJ Wells, CH Boone, JD Bohner, AM Gonzalez, GT Mangine, AR Jajtner, JR Townsend, EH Robinson IV, JR Hoffman, FACSM, JR Stout, FACSM, Perceptual cognitive function correlates with reaction time in female collegiate soccer players. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

EH Robinson IV, TC Scanlon, JR Stout, FACSM, NS Emerson, **WP McCormack**, GT Mangine, AR Jajtner, AM Gonzalez, AJ Wells, JT Townsend, CH Boone, GJ Pruna, JR Hoffman, FACSM, and MS Fragala, Ultrasound Determined Muscle Quality is Associated with Neuromuscular Fatigue and Mobility in Older Adults. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

AR Jajtner, GT Mangine, TC Scanlon, JR Stout, FACSM, JR Townsend, **WP McCormack**, AM Gonzalez, AJ Wells, JP Rogowski, EH Robinson IV, NS Emerson, MS Fragala, and JR Hoffman, FACSM. Effect of Lower-limb Injury on Ultrasonography Measures of Muscle Quality and Architecture in NBA Players. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

AM Gonzalez, AJ Wells, JR Hoffman FACSM, JR Stout FACSM, GT Mangine, **WP McCormack**, MS Fragala, JR Townsend, AR Jajtner, NS Emerson, and EH Robinson IV. Reliability of a Non-Motorized Treadmill for Assessing Anaerobic Performance. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

JR Townsend, AB Morton, AR Jajtner, AJ Wells, AM Gonzalez, **WP McCormack**, EH Robinson IV, GT Mangine, NS Emerson, JR Stout, FACSM, MS Fragala, JR Hoffman, FACSM, L Cosio-Lima. Excess Post-Exercise Oxygen Consumption (EPOC) Following Multiple Effort Sprint and Moderate Aerobic Exercise. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

AJ Wells, AM Gonzalez, GT Mangine, NS Emerson, **WP McCormack**, AR Jajtner, JR Townsend, TC Scanlon, EH Robinson IV, JR Stout (FACSM), JR Hoffman (FACSM), MS Fragala, The Effects of a Supplement Designed to Attenuate the Adverse Effects of Fatigue 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

GT Mangine, JR Hoffman, AR Jajtner, AM Gonzalez, **WP McCormack**, AJ Wells, JR Townsend, NS Emerson, EH Robinson IV, J Vazquez, N Pichardo, MS Fragala, JR Stout. Predictors of fielding performance in professional baseball middle infielders and outfielders. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

NS Emerson, EH Robinson IV, **WP McCormack**, JR Stout, FACSM, TC Scanlon, AM Warren, AJ Wells, AM Gonzalez, GT Mangine, JR Townsend, AR Jajtner, JR Hoffman, FACSM, and MS Fragala, PWC_{FT} is Associated with Measures of Functionality in Elderly with Low Risk of Physical Disability. 2013 American College of Sports Medicine Annual Conference, Indianapolis, IN

WP McCormack, NS Emerson, JR Stout, FACSM, TC Scanlon, AM Warren, AJ Wells, AM Gonzalez, GT Mangine, EH Robinson IV, JR Hoffman, FACSM, and MS Fragala. Oral Nutritional Supplement Fortified With Beta-Alanine Improves Physical Capacity and Muscle Function in Older Adults. 2013 University of Central Florida Graduate Research Forum

WP McCormack, DR Williams, JR Hoffman, AM Gonzalez, GT Mangine, AJ Wells, NS Emerson, TC Scanlon, C Tyman, C Rice, MS Fragala, and JR Stout. Performance Differences in Consecutive Games in a NCAA Division I Women's Soccer Team, 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

TC Scanlon, NS Emerson, **WP McCormack**, JR Stout, JR Hoffman, MS Fragala, AJ Wells, DR Williams, AM Gonzalez, GT Mangine. Maximal isometric handgrip strength is associated with measures of physical health in older adults. 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

JR Hoffman, DR Williams, NS Emerson, MW Hoffman, AJ Wells, DM McVeigh, **WP McCormack**, GT Mangine, AM Gonzalez, MS Fragala. L-Alanyl-L-Glutamine ingestion maintains performance during a competitive basketball game. 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

AJ Wells, **WP McCormack**, TC Scanlon, NS Emerson, DR Williams, GT Mangine, AM Gonzalez, MS Fragala, JR Hoffman, JR Stout. Relationship between vastus lateralis muscle morphology and measures of power and velocity in female collegiate soccer players. 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

NS Emerson, **WP McCormack**, JR Stout, JR Hoffman, MS Fragala, TC Scanlon, DR Williams, AM Gonzalez, GT Mangine, AJ Wells, JT Cramer JT. Physical working capacity at fatigue threshold is associated with measures of physical function in older adults. 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

DR Williams, AJ Wells, JR Hoffman, JR Stout, MS Fragala, GT Mangine, AM Gonzalez, NS Emerson, **WP McCormack**, TC Scanlon, JR Purpura. Phosphatidic acid increases lean body mass and strength in resistance trained men. 2012 National Strength and Conditioning Association Annual Conference, Providence, RI

WP McCormack, NS Emerson, DR Williams, AJ Wells, GT Mangine, AM Gonzalez, MS Fragala, JR Hoffman, FACSM, Learning Effect with Repeated Use of the Dynavision™ D2: Visual-Motor Evaluation. 2012 American College of Sports Medicine Annual Conference, San Francisco, CA

WP McCormack, DR Williams, JR Hoffman, AM Gonzalez, GT Mangine, AJ Wells, NS Emerson, TC Scanlon, C Tyman, C Rice, MS Fragala, and JR Stout. Performance Differences in Consecutive Games in a NCAA Division I Women's Soccer Team, 2012 University of Central Florida Graduate Research Forum.

WP McCormack, MC Prevost, BV McNair, RD Boldt, and RN Oakes, Operational Evaluation of a 12-foot Oxygen Hose Extension for KC-130 Loadmasters, 1998 Aerospace Medical Association Annual Conference, Seattle, WA

MC Prevost, **WP McCormack**, An Analysis of AV-8B "Harrier" Ejections, 1998 Aerospace Medical Association Annual Conference, Seattle, WA

KJ Cureton, MA Sloniger, DA Rowe, DM Black, and **WP McCormack**. Metabolic Determinants of Age-Related Changes in One-Mile Run/Walk Performance in Boys and Girls, 1995 American College of Sports Medicine Annual Conference, Minneapolis, MN

WP McCormack, KJ Cureton, TA Bullock, and PG Weyand. Metabolic determinants of One-Mile Run/Walk Performance in Children. 1990 American College of Sports Medicine Annual Conference, Salt Lake City, UT

FUNDED GRANTS

Primary Graduate Assistant, Effect of Acute L-Alanyl-L-Glutamine (Sustamine™) and Electrolyte Ingestion on Reaction, Tracking, Cognitive Function, and Neuromuscular Fatigue during Endurance Exercise, KYOWA HAKKO BIO CO., LTD. Grant, 2013, \$140,000.

Primary Graduate Assistant, The effects of 12-weeks of beta-alanine added to an oral nutrition supplement on physical working capacity, body composition and muscle function in elderly men and women, ABBOTT Nutrition Grant, 2011-2012, \$140,000.