

Aaron B. Morton, Ph.D.

Curriculum Vitae (rev. 8/16/2023)

PERSONAL INFORMATION

Office Address

Texas A&M University
Department of Kinesiology and Sport Management
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Websites

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EDUCATION

Institution	Major	Degree	Date
University of Missouri	Microcirculation	Postdoc	July 2022
University of Florida	Exercise Physiology	Ph.D.	May 2018
University of West Florida	Exercise Science	M.S.	May 2013
Harding University	Exercise Science	B.S.	May 2010

EMPLOYMENT HISTORY

Assistant Professor Dept. Kinesiology Texas A&M University	Aug 2022-Present
Postdoctoral Fellow Dept. MPP University of Missouri	June 2018-July 2022
Research Assistant for the University of Florida	May 2016-May 2018
Graduate Assistant for the University of Florida	Aug 2013-May 2016
Adjunct Instructor for the University of West Florida	May 2012-May 2013
Graduate Assistant for the University of West Florida	Aug 2010-May 2012
Adjunct Instructor for Pensacola State Collage	May 2011-Aug 2011
Adjunct Instructor for the University of West Florida	May 2011-Aug 2011

PROFESSIONAL SOCIETIES

2013-	American Physiological Society
2018-	Microcirculatory Society
2011-2014	American College of Sports Medicine
2010-2013	National Strength and Conditioning Association

HONORS

Microcirculatory Society Pappenheimer Postdoctoral Travel Award	2022
Health Science Research Day Basic Science poster award winner	2021
American Physiological Society IPE best poster award winner	2020
Cardiovascular Day poster award winner	2020
University of Missouri Provost's Scholar Award	2019-2020
Neuromuscular Plasticity Summit poster award	2018
NIH T32 Neuromuscular Plasticity Pre-doctoral fellowship	2016-2018
Jane Adams Edmonds Endowed PhD Fellowship University of Florida	2013

GRANTS SUBMITTED AND PENDING

TAMU Advancing Discovery to Market <i>Effectiveness and Toxicology of Dystrophix in a Large Animal Model of Muscle Dystrophy</i> Total Direct Costs: \$495,972 Role: Principal Investigator	Morton (PI)	2023-2025
NIH DP2 <i>Micronized Bioactive Ceramic Particles for Treatment of Limb Girdle Muscle Dystrophy</i> Total Costs: \$2,305,500.00 Role: Principal Investigator	Morton (PI)	2024-2029
DoD IDA <i>Investigate the RANKL and nNOS pathway in DMD</i> Total Costs: \$492,423 Role: Co-Investigator	Morton (Co-I)	2024-2026
DoD Combat Readiness Award <i>Bioactive Ceramic/Hydrogel Composites for Musculoskeletal Regeneration</i> Total Costs: \$1,748,000 Role: Co-Investigator	Morton (Co-I)	2024-2026
NIH R01 <i>Muscle Function in the Regenerated Limb Following Amputation</i> Total Costs: \$2,300,000 Role: Co-Investigator	Morton (Co-I)	2024-2029
NIH Loan Repayment Award for Pediatric Research <i>Biomaterial Enhancement of Dystrophic Muscle</i>	Morton (PI)	2023-2025

GRANTS AUTHORED AND AWARDED

NIH Loan Repayment Award for Pediatric Research <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i>	Morton (PI)	2020-2022
APS Postdoctoral Fellowship <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i> Total Costs: \$50,000 Role: Principal Investigator	Morton (PI)	2019-2020

Intramural

Coulter Biomedical Accelerator <i>Timed-Release Ion Matrix for Treatment of Muscular Dystrophy</i> Total Costs: \$99,987 Role: Grant Author and Designated Project Leader	Segal (PI)	2021-2023
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GRANTS AUTHORED AND SUBMITTED (NOT AWARDED)

NIH R21 - Resubmission <i>Biomaterial Enhancement of Dystrophic Muscle</i> Total Costs: \$275,000 Role: Principal Investigator	Morton (PI)	2024-2026
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DoD IDA Biomaterial Enhancement of Dystrophic Muscle Total Costs: \$492,423 Role: Principal Investigator	Morton (PI)	2023-2025
NIH Loan Repayment Grant for Pediatric Research <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i>	Morton (PI)	2018-2020
F32 AR076178-01 <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i> Total Costs: \$122,836 Role Principal Investigator	Morton (PI)	2018-2020
F32 AR076178-01A1 <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i> Total Costs: \$122,836 Role Principal Investigator	Morton (PI)	2019-2021
F32 HL158246-01 <i>Enhancing Myovascular Regeneration with a Novel Biomaterial</i> Total Costs: \$132,756 Role: Principal Investigator	Morton (PI)	2020-2022
NIH SEED Program <i>Timed-Release Ion Matrix for Treatment of Muscular Dystrophy</i> Total Costs: \$147,025 Role: Grant Author	Segal (PI)	2021-2022
DoD Idea Development Award <i>Biomaterial Enhancement of Dystrophic Muscle</i> Total Costs: \$350,000 Role: Principal Investigator	Morton (PI)	2023-2025
NIH R21 Biomaterial Enhancement of Dystrophic Muscle Total Costs: \$275,000 Role: Principal Investigator	Morton (PI)	2022-2024

PATENTS

Morton, AB., Segal, SS., Brow, RK., Semon, J., *Biomaterial Compositions and Methods of Treatment* (covers original biomaterial development and treatment methods for a variety of muscle injuries and diseases) U.S. Full Patent (No. 63/260,858) filed 9/1/22

COMPANIES

Bioramics, LLC established January 5th 2023
Aaron Morton, Chief Science Officer
Rob Rosenberger, Chief Executive Officer

SERVICE

Reviewing Activity:
eCells & Materials
Connective Tissue Research

Bosnian Journal of Basic Medical Science
 Biology
 Neural Regeneration Research
 Journal of Critical Care Research and Practice
 Royal Society Open Science
 Frontiers in Physiology
 American Journal of Physiology – Heart
 Microcirculation
 Annals of Palliative Medicine
Departmental Service:
 Graduate Student Space Committee Spring 2023
 Graduate Scholarship Awards Committee Spring 2023
 Judge: Texas Junior Academy of Science Spring 2023
 Poster Judge: Texas Junior Academy of Science Fall 2022
 Cardiovascular Research Day 2020 planning committee member

TEACHING

Texas A&M University

KINE 427 Therapeutic Principles	Fall 2023
KINE 427 Therapeutic Principles	Spring 2023
KINE 433 Exercise Physiology	Spring 2023
KINE 427 Therapeutic Principles	Fall 2022

Lipscomb University

Guest Lecture in Exercise Physiology	November 2020
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University of Missouri

Guest Lecture NEP 1485 Careers in Exercise Physiology	March 2020
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University of Florida

APK 2105 Physiology Lab	Jan 2014-May 2016
APK 2100 Anatomy Lab	Aug 2013-Dec 2013

University of West Florida

PEM 1116 Body Shaping	May 2012-May 2013
PET 2965 Exercise Testing and Rx Lab	Aug 2012-May 2013
PEM 1120 Cardio Weightlifting	Aug 2010-Aug 2012
Biomechanics Lab	Aug 2011-Dec 2011
PET 2965 Exercise Testing and Rx Lab	Aug 2010-May 2011

Pensacola State College

Body Shaping	May 2011-Aug 2011
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STUDENT ADVISEMENT

Doctoral Student: Shadi Golpasandi <i>Year 1</i>	Present
Role: Mentor	

Doctoral Student: Jacob Kendra <i>Year 3</i>	Present
Role: Mentor	
Awards: Huffines Graduate student research award 2022-2023	

Undergraduate Student: Alexandra Naman <i>Year 2</i>	Present
Awards: APS Summer Research Internship 2023	

Undergraduate Honors Research and McNair Scholar	Summer 2020-Spring 2021
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Student: Yuki Yang

Project: Title: *Enhancement of Myovascular Regeneration with TRIM Following Volumetric Muscle Loss in Skeletal Muscle*

Role: Official Co-Mentor

PROFESSIONAL PRESENTATIONS

Invited Seminar: Texas A&M University

Invitation by: Debakey Institute within the School of Medicine

Date: August 3rd, 2023

Title: Regenerating Soft Tissue in Health and Disease

Conference: American Physiological Society Summit 2023

Date: April 21st, 2023

Title: Inducible deletion of endothelial cell efnb2 attenuates neuromuscular regeneration in mouse skeletal muscle

Authors: Morton A. B., Jacobsen N. L., Diller A., Cornelison D. D., Segal S. S.

Oral/Poster: Poster

Invited Seminar: University of Missouri

Invitation by: Department of Medical Pharmacology and Physiology

Date: November 1st, 2022

Title: Biomaterial Enhancement of Dystrophic Muscle

Invited Seminar: Texas A&M University

Invitation by: Department of Kinesiology and Sport Management

Date: October 21st, 2022

Title: Biomaterial Enhancement of Dystrophic Muscle

Conference: Experimental Biology

Date: April 3, 2022

Title: Which comes first, angiogenesis or myogenesis following biopsy punch in skeletal muscle?

Authors: Morton A. B., Jacobsen N. L., Cornelison D. D., Segal S. S.

Oral/Poster: Poster Session

Conference: Cardiovascular Research Day 2022

Date: March 1, 2022

Authors: Morton A. B.

Oral/Poster: Oral Presentation

Invited Seminar: Texas A&M University

Invitation by: Department of Health and Kinesiology

Date: January 26th, 2022

Title: Muscle Degeneration and Regeneration: Capturing both sides of the coin to combat soft tissue injury and disease

Conference: Health Science Research Day

Date: November 19, 2021

Title: Which comes first: angiogenesis or myogenesis following skeletal muscle injury?

Authors: Morton A. B., Jacobsen N. L., Cornelison D. D., Segal S. S.

Oral/Poster: Poster Session

Conference: American Physiological Society Integrated Physiology of Exercise

Date: November 10, 2020

Title: Disorganized Capillary Regeneration Coincides with Impaired Myofiber Reinnervation Following Skeletal Muscle Injury

Authors: Morton A. B., Jacobsen N. L., Arpke R., Costello A. D., Cornelison D. D., Segal S. S.

Oral/Poster: Poster Session

Conference: Experimental Biology (Accepted but canceled)

Date: April 4, 2020

Title: Effective Reinnervation of Skeletal Muscle is Impaired by Disrupting Microvascular Regeneration Following Acute Injury

Authors: Morton A. B., Cornelison D. D., Segal S. S.

Oral/Poster: Poster Session

Conference: Experimental Biology

Date: April 24, 2018

Title: Overexpression of SOD2 in the diaphragm provides partial protection against ventilator-induced diaphragm atrophy and contractile dysfunction.

Authors: Morton A. B., Smuder A. J., Hall S. E., Wiggs M. P., Hall S. E., Powers S. K.

Oral/Poster: Poster Session

Invited Seminar: the University of Missouri

Invitation by: Steven S. Segal

Date: August 1st 2017

Title: Is SOD2 the key to exercise protection against VIDD?

Conference: Experimental Biology

Date: April 25, 2017

Title: Oral administration of BGP-15 significantly increases HSP72 expression and attenuates ventilator-induced diaphragm dysfunction

Authors: Morton A. B., Smuder A. J., Hall S. E., Wiggs M. P., Hall S. E., Powers S. K.

Oral/Poster: Poster Session

Conference: Experimental Biology

Date: April 5, 2016

Title: Exercise-induced protection against ventilator-induced diaphragm atrophy is dependent upon increased diaphragmatic levels of manganese superoxide dismutase

Authors: Morton A. B., Smuder A. J., Wiggs M. P., Hall S. E., Ahn B., Wawrzniak N. R., Powers S. K.

Oral/Poster: Poster Session

Conference: Southeastern American College of Sports Medicine

Date: February 13, 2015

Title: Angiotensin II to Prevent Skeletal Muscle Atrophy

Authors: Powers, S.K., Wiggs, M.P., Smuder, A. J., Morton, A. B., Hall, S. E.

Oral/Poster: Symposium Session

Conference: American College of Sports Medicine National Conference

Aaron B. Morton, Ph.D.

Date: June 1, 2012

Title: A Comparison of EMG Activity Between Dumbbell Bench, Barbell Bench and Vertical Chest Press

Authors: A. Morton, J Townsend, H. Moore, L. Cosio Lima

Oral/Poster: Poster Session

PUBLICATIONS

1. Tiper Y., **Morton A. B.**, Segal S. S., Gilbert P. M., (2023) Optimization of the Electrical Stimulation Parameters for Micro-muscles Engineered from Human Primary Myoblasts. Target Journal: *Tissue Engineering* (In Preparation)
2. **Morton A. B.**, Jacobsen N. L., Dillar A., Cornelison D. D., Segal S. S., (2023) Inducible deletion of endothelial cell Efnb2 attenuates neuromuscular regeneration in mouse skeletal muscle. *Journal of Physiology* (Accepted Pending Revision)
3. Kendra J., Brow R. K., Blatt R., Segal S. S., **Morton A.B.**, (2023) Micronized Bioactive Glass Enhances Dystrophic Muscle. Target Journal: *Journal of Applied Physiology* (In Preparation)
4. **Morton A. B.**, Naman A., Glancy B., Kendra J., (2023) *In Situ* Mitochondrial Network Morphology Relates to Muscle Function in Dystrophic Mice. Target Journal: *Mitochondrion* (In Progress)
5. Jacobsen N. L.*, **Morton A. B.***, Segal S. S., (2023) Angiogenesis precedes myogenesis during regeneration following biopsy injury of skeletal muscle. *Skeletal Muscle*. February 14, 2023
6. Ichinoseki-Sekine N., Smuder A. J., **Morton A. B.**, Hinkley J. M., Mor Huertas A., Powers S. K., (2021) Hydrogen sulfide donor protects against mechanical ventilation-induced atrophy and contractile dysfunction in the rat diaphragm. *Clin Transl Sci*. June 3, 2021.
7. **Morton A. B.**, Jacobsen N. L., and Segal S. S., (2021) Functionalizing biomaterials to promote neurovascular regeneration following muscle injury. *American Journal of Physiology-Cell Physiology* Jun 1, 2021.
8. Hall S. E., Ahn B., Smuder A. J., **Morton A. B.**, Hinkley J. M., Wiggs M. P., Sollanek K. J., Hyatt H., Powers S. K., (2021) Comparative efficacy of angiotensin II type I receptor blockers against ventilator-induced diaphragm dysfunction in rats. *Clinical Translational Science*. Nov. 22, 2021
9. Smuder A. J., Turner S. M., Schuster C. M., **Morton A. B.**, Hinkley J. M., Fuller D. D., (2020) Hyperbaric oxygen treatment following mid-cervical spinal cord injury preserves diaphragm muscle function. *International Journal of Molecular Science*. Sep. 30, 2020
10. Huertas A. M., **Morton A. B.**, Ichinoseki-Sekine N., Hinkley J. M., Smuder A. J., (2020) Modification of neuromuscular junction protein expression by exercise and doxorubicin. *Med Sci Sports Exerc*. Jul. 2020.
11. **Morton AB**, Norton CE, Jacobsen NL, Fernando, CA, Cornelison DDW, Segal SS. (2019) Barium chloride injures myofibers through calcium-induced proteolysis with fragmentation of motor nerves and microvessels. *Skeletal Muscle*. Nov. 6, 2019

12. Smuder A. J., **Morton A. B.**, Hall S. E., Wiggs M. P., Ahn B., Wawrzyniak N. R., Sollanek K. J., Min K., Kwon O. S., Nelson W. B., Powers S. K., (2019) Effects of exercise preconditioning and HSP72 on diaphragm muscle function during mechanical ventilation. *J Cachexia Sarcopenia Muscle*. Apr. 10, 2019
13. Hinkley J. M., **Morton A. B.**, Ichinoseki-Sekine N., Huertas A. M., Smuder A. J., (2019) Exercise training prevents Doxorubicin-induced Mitochondrial Dysfunction of the Liver. *Med Sci Sports Exerc*. Jan 8
14. **Morton A. B.**, Smuder A. J., Wiggs M. P., Hall S. E., Ahn B., Hinkley J. M., Ichinoseki-Sekine N., Mor Huertas A., Ozdemir M., Yoshihara T., Wawrzyniak N. R., Powers S. K., (2019) Increased SOD2 in the diaphragm contributes to exercise-induced protection against ventilator-induced diaphragm dysfunction. *Redox Biology*. Jan. 20 402-414.
15. Powers S. K., **Morton A. B.**, Hyatt H., Hinkley M. J., (2018) The renin-angiotensin system and skeletal muscle. *Exercise and Sport Sciences Reviews*. DOI: 10.1249/JES
16. **Morton AB**, Mor Huertas A, Hinkley JM, Ichinoseki-Sekine N, Christou DD, and Smuder.AJ, (2018). Mitochondrial accumulation of doxorubicin in cardiac and diaphragm muscle following exercise preconditioning. *Mitochondrion*. Feb 2018 DOI: 10. 1016
17. Turley K, Rivas JD, Townsend JR, **Morton AB.**, (2017). Effects of caffeine on heart rate variability in boys. *Journal of Caffeine Research*. (2): 71-77
18. Sollanek K. J., Burniston J. G., Kavazis A. N., **Morton A. B.**, Wiggs M. P., Ahn B., Smuder A. J., Powers S. K., Global proteome changes in the rat diaphragm induced by endurance exercise training (2017) *PLOS One.*, PONE-D-16-34299R2
19. Kavasis A.N., **Morton A. B.**, Hall S. E., Smuder A. J. Effects of doxorubicin on cardiac muscle subsarcolemmal and intermyofibrillar mitochondria. *Mitochondrion*, Nov 2016, DOI: 10.1016
20. Powers S. K., **Morton A. B.**, Ahn B., Smuder A. J., (2016) Redox Control of Skeletal Muscle Atrophy. *Free Radical Biology and Medicine*, Feb 2016, DOI: 10.1016
21. Smuder A.J., Gonzalez-Rothi E. J., Kwon O. S., **Morton A. B.**, Sollanek K. K., Powers S. K., Fuller D. D., (2015) Cervical spinal cord injury exacerbates ventilator-induced diaphragm dysfunction. *Journal of Applied Physiology*, Oct 2015, DOI: 10.1152
22. Holland A. M., Hyatt H. W., Smuder A. J., Sollanek K. J., **Morton A. B.**, Roberts M. D., Kavazis A. N., (2015) Influence of endurance exercise training on antioxidant enzymes, tight junction proteins, and inflammatory markers in the rat ileum. *BMC Research Notes*, Sep 2015, DOI: 10.1186
23. Kwon O.S., Smuder A. J., Wiggs M. P., Hall S. E., Sollanek K. J., **Morton A. B.**, Talbert E., Toklu H. Z., Tumer N., Powers S. K., (2015) AT1 Receptor blocker losartan protects against mechanical ventilation-induced diaphragmatic dysfunction. *Journal of Applied Physiology*, Sep 2015, DOI: 10.1152
24. Sollanek K. J., Smuder A. J., Wiggs M. P., **Morton A. B.**, Koch L. G., Britton S. L., Powers S. K., (2015). Role of intrinsic aerobic capacity and ventilator-induced diaphragm dysfunction. *Journal of Applied Physiology*. Jan 2015, DOI: 10.1152

25. Turley K, Eusse P, Thomas M, Townsend JR, **Morton AB.**, (2015). Effects of different doses of caffeine on anaerobic exercise in boys. *Ped. Exerc. Sci.* Feb. 27 (1), 50-6.
26. Townsend, J. R., Stout, J. R., **Morton, A. B.**, Jajtner, A. R., Gonzalez, A. M., Wells, A. J., Mangine, G. T., McCormack, W. P., Emerson, N. S., Robinson IV, E. H., Hoffman, J. R., Fragala, M. S., & Cosio Lima, L. (2013). Excess post-exercise oxygen consumption (EPOC) following multiple effort sprint and moderate aerobic exercise. *International Journal of Fundamental and Applied Kinesiology*, 45 (1) 155-165
27. Turley K.R., Rivas J.D., Townsend J.R., **Morton A.B.**, Kosarek J.W., and Cullum M.G. (2012). Effects of caffeine on anaerobic performance in boys. *Ped. Exerc. Sci.* (2):210-9.

PUBLISHED ABSTRACTS

1. Kendra J., Blatt R., Brow R. K., Segal S. S., **Morton A. B.**, (2023) Biomaterial Enhancement of Dystrophic Muscle. *The APS Journal (Physiology)*
2. **Morton A. B.**, Jacobsen N. L., Diller A., Cornelison D. D., Segal S. S., (2023) Inducible deletion of endothelial cell efnb2 attenuates neuromuscular regeneration in mouse skeletal muscle. *The APS Journal (Physiology)*
3. **Morton A. B.**, Jacobsen N. L., Cornelison D. D., Segal S. S., (2022) Which Comes First: Angiogenesis or Myogenesis Following Punch Biopsy Injury? *The FASEB Journal* 36
4. Tiper Y., **Morton A. B.**, Segal S. S., Gilbert P. M., (2022) Optimization of the Electrical Stimulation Parameters for Micro-muscles Engineered from Human Primary Myoblasts. *Tissue Engineering Part A*, 28. 390-391
5. **Morton A. B.**, Cornelison D. D., Segal S. S., (2020) Effective reinnervation of skeletal muscle is impaired by disrupting microvascular regeneration following acute injury. *The FASEB Journal* 34 (1_supplement)
6. **Morton A. B.**, Smuder A. J., Hyatt H. W., Hinkley J. M., Ichinoseki-Sekine N., Mor A., Powers S. K., (2018) Overexpression of SOD2 in the diaphragm provides partial protection against ventilator-induced diaphragm atrophy and contractile dysfunction. *The FASEB Journal* 32 (1_supplement), 856.15-856.15
7. **Morton A. B.**, Smuder A. J., Hall S. E., Wiggs M. P., Powers S. K., (2017) Oral administration of BGP-15 significantly increases HSP72 expression and attenuates ventilator-induced diaphragm dysfunction. *The FASEB Journal* 31 (1_supplement), 1021.23-1021.23
8. Turner S. M., Schuster C. M., **Morton A. B.**, Hinkley J. M., Fuller D. D., Smuder A. J., (2017) Hyperbaric oxygen treatment following mid-cervical spinal contusion injury-diaphragm outcomes. *The FASEB Journal* 31 (1_supplement), 873.5-873.5
9. Hinkley J. M., **Morton A. B.**, Smuder A. J., Powers S. K., (2017) Differential Expression of the Angiotensin II Type 1 Receptor Amongst Various Skeletal Muscle Types. *The FASEB Journal* 31 (1_supplement), 1021.2-1021.2

10. Ichinoseki-Sekine N., Yoshihara T., Tsuzuki T., **Morton A. B.**, Hinkley J. M., (2017) Intermittent Spontaneous Breathing Prevents Mechanical Ventilation-Induced Diaphragm Atrophy and Dysfunction. The FASEB Journal 31 (1_supplement), lb770-lb770
11. Smuder A.J., **Morton A. B.**, Hall S. E., Ahn B., Wiggs M. P., Wawrzyniak N. R., Powers S. K., (2016) HSP72 is required for exercise-induced protection against ventilator-induced diaphragm dysfunction. The FASEB Journal, Jan 2016 Supplement 1 volume 30.
12. **Morton A. B.**, Smuder A. J., Wiggs S. E., Hall S. E., Wawrzyniak N. R., Powers S. K., (2016) Exercise-induced protection against ventilator-induced diaphragm atrophy is dependent upon increased diaphragmatic levels of manganese superoxide dismutase. The FASEB Journal, Jan 2016 Supplement 1 volume 30.
13. Hall S. E., Smuder A. J., Wiggs M. P., **Morton A. B.**, Sollanek K. J., Powers S. K., (2016) Angiotensin II type 2 receptor contributes to ventilator-induced diaphragm dysfunction. International Journal of Exercise Science: Conference Proceedings volume 8 issue 4.
14. Turley K. R., Townsend J. R., Rivas J. D., **Morton A. B.**, Kosarak J. W., Cullum M. G., (2015) Effects of caffeine on heart rate variability in young boys: 1136 board# 8 May 28, 8:00 AM-10:00 AM. Medicine and Science in Sports and Exercise, volume 47 issue 5S.
15. Sollanek K. J., **Morton A. B.**, Smuder A. J., Burniston J. G., Powers S. K., (2015) Adaptation of the rat diaphragm in response to endurance exercise training: 1667 board # 12 May 28, 3:30 PM-5:00 PM. Medicine and Science in Sport and Exercise, volume 47 issue 5S.
16. Hall S. E., **Morton A. B.**, Smuder A. J., Wiggs M. P., Sollanek K. J., Powers. S. K., (2015) Stretch activation of angiotensin II type 1 receptor contributes to ventilator-induced diaphragm dysfunction. The FASEB Journal, Jan 2016 supplement 1 volume 29.
17. Holland A. M., Hyatt H., Smuder A. J., **Morton A. B.**, Roberts M., Kavazis A., (2015) Effects of endurance exercise training on gastrointestinal barrier. The FASEB Journal, Jan 2016 supplement 1 volume 29.
18. **Morton A. B.**, Townsend J. R., Moore H., Cosio-Lima L., (2012) A comparison of EMG activity between dumbbell bench, barbell bench, and vertical chest press. Medicine and Science in Sport and Exercise, volume 44.
19. Turley K. R., Eusse P., Thomas M., Townsend J. R., **Morton A. B.**, Phillips B. L., Cullum M. G., (2011) Effect of different doses of caffeine on anaerobic performance in young boys: 3095 board # 58 8:00 AM-9:30 AM Medicine and Science in Sport and Exercise, volume 43 issue 5.
20. Turley K. R., Townsend J. R., Rivas J. D., **Morton A. B.**, Kosarak J. W., Cullum M. G., (2010) Effect of caffeine on anaerobic performance in young boys: 1914 board # 43 June 3 8:00 AM-9:30 AM Medicine and Science in Sport and Exercise, volume 42 issue 5.