

Aaron B. Morton, Ph.D.

Curriculum Vitae (rev. 11/11/2024)

PERSONAL INFORMATION

Office Address

Texas A&M University
Department of Kinesiology and Sport Management
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College Station, TX 77845

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Phone (office)

979-862-1181

Websites

[LinkedIn - Morton](#)

[ResearchGate - Morton](#)

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

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

HONORS

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|---|-----------|
| Voices of Impact Invited Speaker | 2024 |
| American Physiological Society SURF Research Fellowship Host | 2024 |
| 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 |

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|---|-----------|
| NIH T32 Neuromuscular Plasticity Pre-doctoral fellowship | 2016-2018 |
| Jane Adams Edmonds Endowed PhD Fellowship University of Florida | 2013 |
| UWF Exercise Science Graduate Student of the Year | 2012 |

GRANTS SUBMITTED AND PENDING

| | | |
|---|---------------|-----------|
| NIH DP2 | Morton (PI) | 2024-2029 |
| <i>Micronized Bioactive Ceramic Particles for Treatment of Limb Girdle Muscle Dystrophy</i> | | |
| Total Costs: \$2,305,500.00 | | |
| Role: Principal Investigator | | |
| DoD IDA | Morton (Co-I) | 2024-2026 |
| <i>Investigate the RANKL and nNOS pathway in DMD</i> | | |
| Total Costs: \$492,423 | | |
| Role: Co-Investigator | | |
| DoD Combat Readiness Award | Morton (Co-I) | 2024-2026 |
| <i>Bioactive Ceramic/Hydrogel Composites for Musculoskeletal Regeneration</i> | | |
| Total Costs: \$1,748,000 | | |
| Role: Co-Investigator | | |
| NIH R01 | Morton (Co-I) | 2024-2029 |
| <i>Muscle Function in the Regenerated Limb Following Amputation</i> | | |
| Total Costs: \$2,300,000 | | |
| Role: Co-Investigator | | |

GRANTS AUTHORED AND AWARDED

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|---|-------------------|-----------|
| TAMU Advancing Discovery to Market | Morton (PI) | 2023-2025 |
| <i>Effectiveness and Toxicology of Dystrophin in a Large Animal Model of Muscle Dystrophy</i> | | |
| Total Direct Costs: \$495,972 | | |
| Role: Principal Investigator | | |
| TAMU Catapult Award | Janini-Gomes (PI) | 2023-2024 |
| Exercise-Induced Myokines in Cardiac Cachexia | | |
| Total Costs: \$30,000 | | |
| Role: Co-Investigator | | |
| Coulter Biomedical Accelerator | Segal (PI) | 2021-2023 |
| <i>Timed-Release Ion Matrix for Treatment of Muscular Dystrophy</i> | | |
| Total Costs: \$99,987 | | |
| Role: Grant Author and Designated Project Leader | | |
| NIH Loan Repayment Award for Pediatric Research | Morton (PI) | 2020-2022 |
| <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i> | | |
| APS Postdoctoral Fellowship | Morton (PI) | 2019-2020 |
| <i>Mechanisms of Neurovascular Crosstalk in Skeletal Muscle Regeneration</i> | | |
| Total Costs: \$50,000 | | |
| Role: Principal Investigator | | |

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

SERVICE

Reviewing Activity:

Journal of Physiology

Journal of Cachexia, Sarcopenia and Muscle

American Journal of Physiology – Regulatory, Integrative and Comparative Physiology

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:

Under Graduate Curriculum Committee Spring 2024

A1 Committee Member Spring 2024

Huffines Director Search Committee member Fall 2023

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 2024

KINE 427 Therapeutic Principles

Spring 2024

KINE 427 Therapeutic Principles

Fall 2023

KINE 691 Research

Fall 2023

KINE 685 Directed Studies

Fall 2023

KINE 491 Research

Fall 2023

KINE 427 Therapeutic Principles

Spring 2023

KINE 433 Exercise Physiology

Spring 2023

KINE 491 Research

Spring 2023

KINE 684 Professional Internship

Spring 2023

KINE 685 Directed Studies

Spring 2023

KINE 427 Therapeutic Principles

Fall 2022

KINE 491 Research

Fall 2022

KINE 685 Directed Studies

Fall 2022

Lipscomb University

Guest Lecture in Exercise Physiology

November 2020

University of Missouri

Guest Lecture NEP 1485 Careers in Exercise Physiology

March 2020

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
PET 2965 Exercise Testing and Rx Lab
PEM 1120 Cardio Weightlifting
Biomechanics Lab
PET 2965 Exercise Testing and Rx Lab

May 2012-May 2013
Aug 2012-May 2013
Aug 2010-Aug 2012
Aug 2011-Dec 2011
Aug 2010-May 2011

Pensacola State College

Body Shaping

May 2011-Aug 2011

STUDENT ADVISEMENT

Doctoral Candidate: Jacob Kendra Year 4

Present

Role: Mentor

Awards: Huffines Graduate student research award 2022-2023
SEHD Graduate student research award 2023-2024

Doctoral Student: Shadi Golpasandi Year 2

Present

Role Mentor

Undergraduate Students:

Alexandra Naman Year 2

Present

Awards: APS Summer Research Internship 2023
APS Summitt Winner of 2024 SURF Research Competition

Others:

Nikitha Sudhagar

Seth Gobel

Undergraduate Honors Research and McNair Scholar

Summer 2020-Spring 2021

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

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. Kendra J., Naman A., Brow R. K., Blatt R., Segal S. S., Morton A.B., (2023) Micronized Bioactive Glass Particles Enhances Dystrophic Muscle. Target Journal: *Journal of Applied Physiology* (In Preparation)
 3. 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)
 4. Morton A. B., Jacobsen N. L., Dillar A., Kendra J. A., Golpasandi S., Cornelison D. D., Segal S. S., (2024) Inducible deletion of endothelial cell *Efnb2* delays capillary regeneration and attenuates myofibre reinnervation following myotoxin injury in mice. *Journal of Physiology*. August, 2024 DOI: 10.1113/JP285402
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5. Ryan P. J., Uranga S., Stanelle S. T., Lewis M. H., O'Reilly C. L., Cardin J. M., Deaver J. W., **Morton A. B.**, Fluckey J. D., (2024) The autophagy inhibitor NSC185058 suppresses mTORC1-mediated protein anabolism in cultured skeletal muscle. *Scientific Reports*. April 6, 2024
6. 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
7. 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.
8. **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.
9. 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
10. 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
11. 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.
12. **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
13. 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
14. 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
15. **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.
16. 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

17. **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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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
24. 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
25. 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
26. 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.
27. 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
28. 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. Harris, D., Kendra, J., Pigg, Q., Golpasandi, S., Naman, A., Garcia, A., Yoshimura, D., **Morton, A.**, Janini Gomes, M., (2024) Maximal Isometric Torque in Skeletal Muscle of Endurance Trained Rats with Heart Failure. (American College of Sports Medicine)

2. Kendra J., Blatt R., Brow R. K., Segal S. S., **Morton A. B.**, (2023) Biomaterial Enhancement of Dystrophic Muscle. *The APS Journal (Physiology)*
3. **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)*
4. **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
5. 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
6. **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)
7. **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
8. **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
9. 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
10. 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
11. 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
12. 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.
13. **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.

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. **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.
20. 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.
21. 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.