

## **JOSHUA M MILLER, DHSc, ACSM-EP, CSCS, ISAK-2**

Department of Kinesiology  
University of Illinois at Chicago  
901 W Roosevelt Road, PEB 336  
Chicago, IL 60508

312-355-8310 (office)

joshuam@uic.edu (work)

Google Scholar work citations:

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=6NmAFWEAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=6NmAFWEAAAAJ)

### **EDUCATION**

A.T. Still University

DHSc in Global Health Promotion, graduated September 2014

- **Dissertation:** Prevalence of metabolic syndrome and individual criterion in US adolescents: 2001-2010 National Health and Examination Survey

Florida Atlantic University

M.S. in Exercise Physiology, graduated May 2001

- **Thesis:** The Role of Airflow Limitation in Exercise Induced Arterial Hypoxemia.

Florida Atlantic University

B.S. Ed. in Exercise Science and Wellness Education, graduated May 1998

Broward Community College

A.A. in Biology, graduated May 1994

### **TEACHING EXPERIENCE**

**University of Illinois at Chicago, Chicago, Illinois**

Clinical Associate Professor, Department of Kinesiology and Nutrition

August 2019 - present

*Courses Taught:*

- Introduction to Exercise Science and Health (KN152) (3 credit hours UG)
- Physiology of Exercise (KN352) – (4 credit hours UG)
- Experimental Learning / Mentoring Students (KN396/496) (1-3 credit hours UG)
- Senior Seminar (KN495) (1 credit hour UG)
- Advanced Exercise Programming and Assessment (KN545) (3 credit hours G)
- Human Bioenergetics (KN552) (3 credit hours G)
- Independent Research (KN596/597) (1-3 units (G))

**California State University Bakersfield, Bakersfield, California**

Assistant Professor, Department of Kinesiology

August 2014 – August 2019

*Courses Taught:*

- Physiology of Exercise with Lab (PEAK 404) – 5 units
- Advanced Exercise Physiology with Lab (PEAK 406) – 5 units
- Exercise Programming for Performance and Fitness with Lab (PEAK 486) – 5 units
- Independent Study (PEAK 498) – 3 units
- Exercise Physiology with Lab (KINE 3040) – 3 units
- Strength and Conditioning with Lab (KINE 4120) – 3 units

- Advanced Exercise Physiology with Lab (KINE 4140) – 3 units
- First Year Seminar (CSUB 1009) – 1 unit
- Exercise Prescription for Health and Performance with Lab (KINE 4110), 3 units
- Behavioral Aspects of Physical Activity (KINE 4220), 3 units
- CPR / First Aid / AED (KINE 1020), 1 unit
- Worksite Health Promotion (KINE 4170), 3 units (in preparation)
- Independent Study (KINE 4895) – 1 unit

### **Director of the Human Performance Laboratory**

- Tasks include physiological testing of athletes and community members.
- Directing student interns
- Daily running of human performance laboratory

### **A.T. Still University**

Adjunct instructor, Osteopathic School of Medicine

August 2011 – July 2014

*Courses Taught:*

- Epidemiology (MED 620) – Fall semesters, 2011-2014
- Biostatistics and Preventive Medicine (MED 621) – Spring semesters, 2011-2014

*Guest lecture:*

- “Pulmonary Function Testing in the Clinical Setting”, Respiratory Physiology  
Spring 2013

### **University of Evansville**

Adjunct Instructor, Department of Physical Therapy

2011-2012

*Courses Taught:*

- Cardiopulmonary Physiology with Lab (PT 422) – 3 units

*Guest lecture:*

- “Traumatic Injuries and the Veteran”, Patient Management – Musculoskeletal,  
Spring 2011

### **Virginia Commonwealth University**

Adjunct Instructor, Department of Kinesiology and Health Sciences

2009-2011

*Courses Taught:*

- Exercise Programming and Leadership (HPEX 470), 3 units
- Medical Terminology (HPEX 250), 3 units online

### **University of Nebraska-Lincoln**

Graduate Research Assistant, Department of Health and Human Performance

2001-2003

*Courses Taught:*

- Physiology of Exercise Lab (HHPG 484/884)
- Human Anatomy (cadaver based) Lab (HHPG 207)
- Exercise Testing and Lab (HHPG 486/886)

## **PROFESSIONAL EXPERIENCE**

### **A.T. Still University**

Data Informatics Specialist, 2012 – 2014

*Tasks included:*

- Creation of IRB documents, writing of manuscripts, and general department assistance

### **Henry M. Jackson Foundation**

Data Manager, 2011 – 2012

*Tasks included:*

- Data collection on a military research grant – injury assessment of active-duty military personnel, data management, and preparation of all documents

### **Hunter Holmes McGuire Veterans Hospital**

Rehabilitation Planning Specialist/Lab Coordinator, 2006 – 2010

*Tasks included:*

- Initial set up of three research laboratories, purchase of all equipment, training of interns, research assistants, and therapists, writing of IRB documents, data collection on VHA grant studies, and all aspects of research collection

### **Jittery Joe's – Zero Gravity Professional Cycling Team**

Team Physiologist, 2006-2009

*Tasks included:*

- All physiological testing of riders

### **MET-Test, LLC**

Assistant Director of Clinical Services, 2003-2006

*Tasks included:*

- Training of all new hires, conducting cardiopulmonary exercise testing, pulmonary function testing, and resting metabolic rate testing, teaching medical personnel how to conduct and interpret of tests, and interpretation of tests

### **Bryan LGH Hospital**

Exercise Specialist, 2002-2003

*Tasks included:*

- Cardiac and pulmonary rehabilitation, clinical testing of patients, writing of exercise prescriptions, and general wellness of hospital employees

### **Broward General Hospital**

Exercise Physiologist, 1998-2001

*Tasks included:*

- Cardiac and pulmonary rehabilitation, out-patient rehabilitation, and community wellness

## **Florida Atlantic University**

Graduate Research Assistant, 1998-2001

*Tasks included:*

- Conducted research for all faculty, graduate students, and assisting course presentation of Lab Methods course.

## **COLLEGE, DEPARTMENT, and COMMUNITY SERVICE**

### **University of Illinois at Chicago**

- Director of Undergraduate Studies (DUS) – May 2022 - present
- Associate Director of Undergraduate Studies (ADUS) – Aug. 2021 – May 2022
- Chair of Clinical Exercise Physiology Hiring Committee – Oct. 2022 – Jan. 2023
- Chair Hiring Committee
  - Director of Clinical Exercise Physiology track – MS program
  - Open Rank Exercise Physiology faculty member
- Member, Hiring Committee
  - Tenure Track faculty
  - Associate Director of Experiential Learning
  - Academic Advisor
- Chair, K&N Department Curriculum Committee, Aug. 2022 - present
- Member, Department Curriculum Committee, Aug. 2021 – Aug. 2022
- Member, Academic Affairs Committee – Aug. 2021 - present
- Member, UIC Senate – July 2021-2025
- Program Director, UIC NSCA ERP, May 2021 – present
- P&T Committee Clinical Faculty Member, May 2021 - present
- Member, Graduate Student Review Committee – Spring 2020

### **California State University, Bakersfield**

- Member, Student Recreation Center Advisory Committee – May 2019 – August 2019
- Member, Research Council of the University – May 2017 – May 2019
- Member, Hiring Committee Member for Tenure Track position for Assistant Professor Exercise Science Track, Spring 2018
- Reviewer, Tenure, and Promotion reviewer for Full-Time Lecturers in Department of Kinesiology, Fall 2017 – Spring 2018
- Advisor to over 90 students in the Department of Physical Education and Kinesiology
- Leader of Faculty/Staff Mini Fitness Challenges
- Member of IT Committee Department Member, Spring 2015 – Spring 2018
- Member of Intercollegiate Athletics Education Committee, Fall 2014 – Fall 2016

## **UNDERGRADUATE STUDENT MENTORSHIP**

- Jorge Rosas, Dakotah Cain
  - Study “Does Body Hair Affect Percent Body Fat in the Bod Pod?”
- Jorge Rosas, Jasmin Figueroa, Francisco Ibarra, 2018 – present
  - Study “Metabolic Syndrome and Physical Activity in Faculty and Staff”
- Natali Contreras, 2017-218
  - Study “Functional Movement Screen in Collegiate Athletes”
  - Student awarded Student Grant \$2000.00

- Andrew Hudson, Natali Contreras, Daniel Serrano, Garry Cai, Sydney Haynes, Eryn Chang, and Kristen Morgan, Spring 2017
  - Study “Metabolic syndrome in college students.”
- Sarah Cook, Fall 2016
  - Study “Functional Movement Screen and collegiate athletes.”

### **JOURNAL REVIEWER**

- Reviewer for PLOS ONE Journal –2023 - present
- Reviewer for Frontier’s Journal – Exercise Physiology, 2022 - present
- Reviewer for Pilot & Feasibility Studies, 2021 - present
- Reviewer for Metabolic Syndrome and Related Disorders, 2020 – present
- Reviewer for International Journal of Sport and Exercise, 2020 - present
- Reviewer for The Physician and Sports Medicine Journal, 2019 - present
- Reviewer for American Journal of Men’s Health, 2018 – present
- Reviewer for Journal of Strength and Conditioning Research, 1999 - present
- Reviewer for Strength and Conditioning Journal, 1999 – present
- Reviewer for Journal of Strength and Conditioning Research Abstracts, 2002
- Abstract Committee member and Reviewer, National Meeting NSCA, 2002

### **GRANTS (Internal / External Competitive)**

- Co-Principle Investigator – Helix Corporation – Metabolic Cost for the Helix Lateral Trainer – (Not awarded \$17,700)
- Faculty Teaching Learning Center (FTLC) Grant – ACSM Clinical Exercise Physiologist Certification (Not awarded for \$350.00)
- Faculty Teaching Learning Center (FTLC) Grant – CPR Instructor Certification (Awarded for \$200.00)
- Faculty TLC Research Grant (Awarded \$400.00)
- Co-Investigator: NIH grant, Metabolic syndrome in Hispanic females, pilot study. (In preparation, \$225,000)
- Principle Investigator: RCU Grant, Metabolic syndrome in faculty and staff (Awarded \$3597.50)
- Faculty Teaching Learning Center (FTLC) Grant, Laboratory equipment (Awarded \$400.00) (pilot study)
- Principle Investigator: RCU Grant, Metabolic syndrome in college students, (Awarded \$4880.00) study completed.
- Co-Investigator: Kaiser Grant, CSUB Read & Ride Program, Pilot Study, (Awarded \$13,500) on-going study, 2015
- Sub-Investigator: AV650-014: A Four Week, Prospective, Randomized, Double Blind, Placebo-Controlled Trial to Assess Safety, Tolerability, Pharmacokinetics Efficacy of AV650 in Patients with Spasticity due to Spinal Cord Injury. (Awarded \$20,000) (4/2008).
- Miller, J.M. and T.J. Housh, NSCA Graduate Research Award. Validation of the PWCVO<sub>2</sub> test. (Awarded \$2248.00) (7/2002)

## **PROFESSIONAL CERTIFICATIONS**

- International Society for the Advancement of Kinarthropometry (ISAK) Level 2, January 2023 - present
- Exercise is Medicine Level 2 certification, American College of Sports Medicine, November 2018 - present
- CPR Instructor Certification, American Heart Association, September 2017 - present
- NSCA Certified Strength and Conditioning Specialist (CSCS), Certification number 200114196, 1997-present
- ACSM Exercise Physiologist Certified (ACSM-EP-C), Certification number 11218, 1998-present
- Y-Balance Test, 2011-present
- Functional Movement Screen Level 1, 2011-present
- Clinical Bone Density Technologist (CBDT), International Society of Bone Densitometry, 2010-2013
- Certified Pulmonary Function Technologist (CPFT), National Board for Respiratory Care (NBRC) – expired, 2005
- Advanced Cardiac Life Support (ACLS), American Heart Association, 2004-2010
- USA Cycling Club Coach, 2003-2012
- NSCA Certified Personal Trainer (NSCA-CPT), 1997-2010
- USAW Certified Club Coach, 1996-present
- Basic Life Support (BLS), American Heart Association, 1996-present

## **PROFESSIONAL ORGANIZATIONS**

- Member, International Society for the Advancement of Kinarthropometry (ISAK), 2021 - present
- Member, National Strength and Conditioning Association (NSCA), 1996- present
- Member, American College of Sports Medicine (ACSM), 1996-present
- Member, Southeast Region of American College of Sports Medicine (SEACSM), 1996-2001
- Editor, Clinical Kinesiology, Journal of the American Kinesiotherapy Association, October 2008 - 2015
- Member, National Board for Respiratory Care (NBRC), 2005 – 2010
- Member, USA Cycling, 2003 – 2012
- Member, American Physiological Society (APS), 1999-2001
- In-Training Member, American Thoracic Society (ATS), 1999-2001
- Member, United States Weightlifting Federation (USWF), 1996-Present

## **STUDENT AWARDS**

- NSCA Student Research Oral Presentation Award, NSCA, 2002
- NSCA Student Challenge Scholarship, NSCA, 2002
- Other Graduate Fellowship Dept. of Health and Human Performance UNL, 2001 - 2003
- Book Store Award, College of Education, FAU, 2000
- Graduate Research Travel Award, Graduate Council, FAU, 2000
- Graduate Research Travel Award, Graduate Council, FAU, 1999

- Undergraduate Award, Outstanding Undergraduate in the College of Education for the Health Sciences Department 1997-1998, FAU, 1998
- SDAAPHERD Representative, Birmingham, AL, 1997

### **SEMINAR ATTENDANCE**

- American College of Sports Medicine, Annual meeting - 1998 – 2005, 2008 - present
- National Strength and Conditioning Association, Annual meeting - 1997, 2000, 2002, 2015-present

### **CONSULTING**

- Wolters Kluwer – Freelance Editor, PrepU for McArdle, Katch, & Katch, Essentials of Exercise Physiology, Fifth Edition, (978-1-4963-0209-0), August 2017 – September 2017
- Wolters Kluwer – Subject Matter Expert, PrepU for ACSM’s Resources for the Personal Trainer, Fifth Edition, July 2017 – September 2017
- Bakersfield Condors – Human Performance Testing of professional hockey players, July 2015 – Aug 2019

### **IN-PREPARATION MANUSCRIPTS**

1. Miller, J. M. Effects of Body Hair on Air Displacement Plethysmography.

### **SUBMITTED MANUSCRIPTS**

### **ACCEPTED MANUSCRIPTS**

1. Miller, J. M (2021). Aerobic and Resistance Training for Individuals with Spinal Cord Injury. *Strength Cond J*, 43, 1-8.
2. Miller, J. M (2020). Effects of an acute bout of static stretching on the Wingate test in men. *J Sports Med Phys Fitness*, 60, 974-978.
3. Miller, J. M, & Street, B. D. (2019). Metabolic syndrome and physical activity in college students. Accepted to *Metab Syndr Related Dis*.17(9), 431-435.
4. Haynes, S., Miller, J. M, & Susa, K. J. (2019). Effect of capris in validity of air-displacement plethysmography in female college students. *Int J Exerc Sci*. 12(4), 1315-1322.
5. Miller, J. M & Susa, K. (2018). Comparison of Morphologic Characteristics in World Tour and Professional Continental Cyclists. *J Sci Cycling*, 7, 3-6.
6. Miller, J.M, & Susa, K. J. (2018). Normative values of functional movement screen in Division I athletes. *J Sports Med Phys Fitness*. 59(5), 779-783.

7. Miller, J.M. (2016). Measured versus predicted thoracic gas volume in college students. *Medicina Sportiva, XII*, 2772-2776.
8. Miller, J.M, Kaylor, M. B., Johannsson, M., Bay, C., & Churilla, J. R. (2014). Prevalence of metabolic syndrome and individual criterion in U.S. adolescents: 2001-2010 NHANES. *Metab Syndr Related Dis, 12*, 527-532.
9. Gorgey, A., Gater, D. R., Miller, J. M, & Poarch, H. (2010). Locomotor and Resistance Training Restore Walking in an Elderly Person with a Chronic Incomplete Spinal Cord. *NeuroRehab, 26*, 127-133.
10. Coburn, J.T., Housh, T. J., Cramer, J. T., Weir, J. P., Miller, J. M, Beck, T. W., Malek, M. H., & Johnson, G. O. (2005). Mechanomyographic and electromyographic responses of the vastus medialis muscle during isometric and concentric muscle actions. *J Strength Cond. Res, 19*, 412-420.
11. Coburn, J. W., Housh, T. J., Cramer, J. T., Weir, J. P., Miller, J. M, Beck, T. W., Malek, M. H., & Johnson, G. O. (2004). Mechanomyographic time and frequency domain responses of the vastus medialis muscle during submaximal to maximal isometric and isokinetic muscle actions. *Electromyogr Clin Neurophysiol. 44*, 247-55.
12. Miller, J. M, Housh, T. J., Coburn, J. W., Cramer, J. T., & Johnson, G. O. (2004). A proposed test for determining physical working capacity at the oxygen consumption threshold. *J Strength Cond Res 18*, 618-624.
13. Cramer, J. T., Housh, T. J., Johnson, G. O., Miller, J. M, Coburn, J. W., & Beck, T. W. (2004). Acute effects of static stretching on peak torque in women. *J Strength Cond Res, 18*, 236-241.
14. O’Kroy, J. A., James, T., Miller, J. M, Campbell, K., & Torok, D. J. (2001). Effects of an external nasal dilator on the work of breathing during exercise. *Med Sci Sports Exer, 33*, 454-458.
15. Miller, J.M, S.C. Hilbert, and L. E. Brown. (2001). SAQ training for senior tennis players. *Strength Cond J, 23*, 62-66.

#### **NON-REFEREED JOURNAL ARTICLES**

1. Miller, J.M., To Stretch or Not. *Journal of Strength and Conditioning. Point/Counterpoint Column. 24(1):21*, 2002.

#### **BOOKS / BOOKS in PREPARATION**

1. Miller, J. M, P. Comfort, J. McMahon. *Strength and Conditioning Laboratory Manual*. Routledge Publishers, May 25, 2023.
2. Miller, J. M, Peden, C., Rozdilisky, C., Edwards, T., and Leo, P. *Strength and Conditioning for Cyclists*. In submission to Routledge Publishers.



## **CHAPTERS IN BOOKS**

1. Miller, J. M, & Korliss, W. Assessment of Aerobic Fitness in NSCA Developing Endurance, 2<sup>nd</sup> ed. Champaign, IL: Human Kinetics (anticipated 2024).
2. Brown, L. E. and J.M Miller. Introduction to SAQ. In: Complete Coaches Guide to Speed and Power, 2<sup>nd</sup> Ed. Brown, LE and Ferrigno, VA (eds.) Champaign, IL: Human Kinetics, 2005
3. Brown, L. E., J.M Miller and J. Roberts. Introduction to SAQ. In: Complete Coaches Guide to Speed and Power. Brown, LE, Ferrigno, VA and Santana, JC (eds.) Champaign, IL: Human Kinetics, 2000.

## **BOOKS EDITED**

1. Kavas, M. 2015. Cycling Today.

## **PUBLISHED ABSTRACTS & POSTER PRESENTATIONS**

1. Miller, J. M (2019). Acute Effects of Static Stretching on the Wingate Test in Males. (Submitted to NSCA National Conference, Washington, DC, 2019).
2. Contreras, N. & Miller, J. M (2018). Functional Movement Screens in a Group of Cyclists. NSCA National Conference, Indianapolis, IN.
3. Miller, J.M (2017). Functional Movement Screen values in SWAT. NSCA National Conference, Las Vegas, NV.
4. Miller, J. M, Hudson, A., Contrares, N., Morgan, K., and Street, B. D. (2017). Metabolic syndrome in college students. ACSM National meeting, Denver, CO.
5. Miller, J.M, Ziegler, B., Quintanilla, E., Lindsey, J., Galloup, K., & Wilkins, M. Functional Movement Screen in Division Ia Collegiate Athletes. National Strength and Conditioning Association National Meeting, New Orleans, LA, 2016.
6. Miller, J.M, Ziegler, B., Cook, S., and Perkins, Z. Functional Movement Screen in Collegiate Soccer Players. National Strength and Conditioning Association National Meeting, Orlando, FL, 2015.
7. Miller, J. M, & Bay, C. Prevalence of metabolic syndrome and individual criterion in Hispanic U.S. adolescents: 2001-2010 NHANES. American College of Sports Medicine, San Diego, CA, 2015.
8. Miller, J.M, M.B. Kaylor, M. Johannsson, C. Bay, and J.R. Churilla. Prevalence of metabolic syndrome and individual criterion in U.S. adolescents: 2001-2010 NHANES. American College of Sports Medicine, Orlando, FL, 2014.
9. Gorgey, A.S., J.M Miller, H. Poarch, K.E. Moore and D.R. Gater. Intense Locomotor Training using Body Weighted Supported Treadmill Improved

Submaximal Oxygen Uptake in a Veteran with Spinal Cord Injury (SCI). AIS Conference Las Vegas, NV. 2010.

10. Miller, JM, C. Harnish, D.R. Gater, Jr, and H. Poarch. Supine vs. Prone Positioning DXA Scans in Individuals with Paraplegia. *Medicine & Science in Sport & Exercise*. 2010; 42(5S).
11. Harnish, C. J M Miller, and D.R. Gater, Jr. Modeling Exercise Training Load in Spinal Cord Injury: A Case Study. *Medicine & Science in Sport & Exercise*. 2010; 42(5S).
12. Pai, A.B., J.M Miller and D.R. Gater, Jr. Co-morbidities of Amputation after Spinal Cord Injury. *ASIA*, 2010.
13. Miller, J.M, A.S. Gorgey, and D.R. Gater. Prone vs. Supine DXA Scan in Ambulatory Subjects: A Pilot Study. *Medicine & Science in Sport & Exercise*. 2009; 41(5S).
14. Pai, A.B., D.R. Gater and J.M Miller. Prevalence of Amputation after Spinal Cord Injury: A Retrospective Review. 2009.
15. Pai, A.B., J.M. Miller, D.R. Gater. Energy Costs of Spasticity in Spinal Cord Injury: A Pilot Investigation. *AAPMR*: 2008.
16. Castillo, D.F., A.P. Klausner, J.M Miller, B.M. Grobe, and D.R. Gater. Long versus Short Course Antibiotics in Elective Urologic Surgery in SCI Patients. *The Journal of Spinal Cord Medicine*. 2008.
17. Ha, C.Y., S. Lander, J.M Miller, D.F. Castillo, and D.R. Gater. Non-united Intertrochanteric Fracture Causing Autonomic Dysreflexia Managed with Total Hip Arthroplasty. *The Journal of Spinal Cord Medicine*. 2008.
18. Miller, J.M and L.E. Brown. Physiological Characteristics of a Professional Continental Cycling Team. *Medicine & Science in Sport & Exercise*. 2008; 40(5S):1241.
19. Castillo, C., Miller, J.M, Moore, J., & D.R. Gater, Jr. Metabolic Syndrome in Veterans with Spinal Cord Injury. *The Journal of Spinal Cord Medicine*. 2007; 30(4):403.
20. Coburn, J.W., T.J. Housh, J.T. Cramer, J.P. Weir, J.M Miller, T.W. Beck, M.H. Malek, and G.O. Johnson. Mechanomyographic time and frequency domain responses of the vastus medialis muscle during sub-maximal to maximal isometric and isokinetic muscle actions. Poster session at International Society of Electrophysiology and Kinesiology Conference, 2004.
21. Coburn, J.W., T.J. Housh, J.T. Cramer, J.P. Weir, J.M Miller, T.W. Beck, M.H. Malek, and G.O. Johnson. Relationships for MMG frequency vs. torque during isometric and isokinetic muscle actions. *American College of Sports Medicine Annual Meeting*, Nashville, TN 2004.

22. Miller, J.M, T.J. Housh, J.W. Coburn, J.T. Cramer, and G.O. Johnson. A proposed test for determining physical working capacity at the oxygen consumption threshold. American College of Sports Medicine Annual Meeting, San Francisco, CA, 2003.
23. Beck, T.W., J.M Miller, T.J. Housh, J.W. Coburn, J.T. Cramer, and G.O. Johnson. Relative contributions of body composition and peak torque to arm-cranking anaerobic capabilities in high school wrestlers. American College of Sports Medicine Annual Meeting, San Francisco, CA, 2003.
24. Coburn, J.W., T. J. Housh, J.M Miller, J.T. Cramer, & G.O. Johnson. Relationships for MMG amplitude vs. torque during isometric and isokinetic muscle actions. American College of Sports Medicine Annual Meeting, San Francisco, CA, 2003.
25. Miller, J.M, T.J. Housh, J.W. Coburn, J.T. Cramer, and G.O. Johnson. Comparison of fatigue thresholds during cycle ergometry. National Strength and Conditioning Association National Meeting, Las Vegas, NV, July 11 – July 13, 2002. *Journal of Strength and Conditioning Research*.16(3):, 2002.
26. Cramer, J.T., T.J. Housh, G.O. Johnson, and J.M Miller. The acute effects of static stretching on peak torque and mean power output during maximal concentric isokinetic muscle actions. National Strength and Conditioning Association National Meeting, Las Vegas, NV, July 11 – July 13, 2002. *Journal of Strength and Conditioning Research*.16(3):, 2002.
27. Hendsbee KL, Findley BW, Brown LE, Miller J, Asper DE, Drake CK. Rating differences between handgrip dynamometry and 1RM bench press in elderly women. *Journal of Strength and Conditioning Research* 16(3):, 2002.
28. Miller, J.M, J.T. Cramer, T.J. Housh, G.O. Johnson, J.W. Coburn, J.M. Berning, S.R. Perry, and A.J. Bull. Velocity-related patterns for mean power output, mechanomyography, and electromyography during concentric and eccentric isokinetic muscle actions. American College of Sports Medicine Annual Meeting, St. Louis, MO, May 29 – June 1, 2002.
29. Coburn, J.W., J.T. Cramer, T.J. Housh, G.O. Johnson, J.M Miller, J.M. Berning, S.R. Perry, and A.J. Bull. Peak torque and electromyographic amplitude of the vastus lateralis during maximal, voluntary isokinetic muscle actions in females. American College of Sports Medicine Annual Meeting, St. Louis MO, May 29 – June 1, 2002.
30. Findley, BW, K. Hendsbee, L.E. Brown, J. M Miller, D.E. Asper, and C.K. Drake. Rating differences between handgrip dynamometry and 1RM bench press in elderly men. *Journal of Strength and Conditioning Research* 15(3):392, 2001.
31. Miller, J.M, M.D. Rossi, L. E. Brown, H. Schurr, and M. Whitehurst. Force production in healthy males during a horizontal press that uses elastics for resistance. *Medicine and Science and Sport and Exercise*, 33(5S):S25, 2001.

32. Rossi, M.D., J. M Miller, H. Schurr, L. E. Brown, and M. Whitehurst. Muscle activity of the lower limb and trunk in healthy males during a horizontal press. *Medicine and Science and Sport and Exercise*, 33(5S):S83, 2001.
33. Brown LE, B.W. Findley, M. Whitehurst, M.D. Rossi, J. M Miller, M.Greenwood, and M.J. Comeau. Comparison of phase EMG across velocities during an isokinetic movement. *Medicine and Science and Sport and Exercise*, 33(5S):S334, 2001.
34. Whitehurst M, L.E. Brown, B.W. Findley, M.D. Rossi, J.M Miller, M. Greenwood, and M.J. Comeau. Maximum force and acceleration do not completely discriminate gender. *Medicine and Science and Sport and Exercise*, 33(5S):S332, 2001.
35. Miller, J.M, L.E. Brown, M. Whitehurst, L. Lee, B.W. Findley, and M. Rossi. Force transfer following short-term slow or fast isokinetic training. *Journal of Strength and Conditioning Research*. 14(4):2000.
36. Lee, L., L.E. Brown, M. Whitehurst, J.M Miller, B.F. Findley, and M. Rossi. Reliability of three velocity ROM phases and force of the Kin-Com isokinetic dynamometer. *Journal of Strength and Conditioning Research*. 14(4):2000.
37. Brown, L.E, M. Whitehurst, J.M Miller, L. Lee, B.W. Findley, and M. Rossi. Effects of short term slow or fast speed isokinetic training on three velocity ROM phases. *Journal of Strength and Conditioning Research*. 14(4):2000.
38. Miller, J.M, J.A. O’Kroy, B.S. Graves, and D.J. Torok. The role of airflow limitation in exercise-induced arterial hypoxemia. *Medicine and Science in Sports and Exercise*, 32(5S):S155, 2000.
39. Brown L.E., M. Whitehurst, M.D. Rossi, J.M Miller, and B.W. Findley. Gender comparison between three phases of knee extension during an isokinetic repetition. *Medicine and Science in Sports and Exercise*, 32(5S):S284, 2000.
40. Whitehurst M., L.E. Brown, J.M Miller, L. Lee, S. Graves, J. O’Kroy, M. Rossi, K. Grant, and A .D’Angelo-Herold. Wearing a weighted vest while walking increases oxygen consumption. *Medicine and Science in Sports and Exercise*, 32(5S):S231, 2000.
41. Findley B.W., L.E. Brown, M. Whitehurst, M.D. Rossi, and J.M Miller. Gender comparison of the relationship between muscle mass and EMG activity during an isokinetic knee extension movement. *Medicine and Science in Sports and Exercise*, 32(5S):S283, 2000.
42. Rossi M.D., M. Whitehurst, L.E. Brown, and J.M Miller. An assessment of hip extensor strength and range of motion (ROM) one-year post-total hip arthroplasty (THA). *Medicine and Science in Sports and Exercise*, 32(5S):S98, 2000.

43. Hilbert S.C., M.D. Rossi, M. Whitehurst, L.E. Brown, and J.M Miller. Strength assessment of the hip extensors and flexors after total hip arthroplasty (THA). *Medicine and Science in Sports and Exercise*, 32(5S):S98, 2000.
44. Brown, L. E., B. W. Findley, and J. M Miller. Gender comparison of EMG activity of the knee extensors during three phases of an isokinetic Repetition. ASEP 2<sup>nd</sup> Annual Meeting, 1999.
45. Miller, J. M, J. A. O’Kroy, T. James, D. Torok, and K. Campbell. Effects of an external nasal dilator on the work of breathing during exercise. *Medicine and Science in Sports and Exercise*, 31(5S):S220, 1999.

### **ORAL PRESENTATIONS**

1. Miller, J. M. High Intensity Interval Training Recovery. National Strength and Conditioning Association National Meeting, July 2017, Las Vegas, NV.
2. Miller, J. M, & Bay, C. Prevalence of metabolic syndrome and individual criterion in Hispanic U.S. adolescents: 2001-2010 NHANES. American College of Sports Medicine, San Diego, CA, 2015.
3. Miller, J.M. Complications and Implications Surrounding Exercise Testing. American Kinesiotherapy Association National Meeting, Richmond, VA, October 4 – October 6, 2007.
4. Miller, J.M, T.J. Housh, J.W. Coburn, J.T. Cramer, and G.O. Johnson. Comparisons of fatigue thresholds during cycle ergometry. National Strength and Conditioning Association National Meeting, Las Vegas, NV, July 11 – July 13, 2002. *Journal of Strength and Conditioning Research*, 16(3): 2002.