

## *Curriculum Vitae*

### **Eric Slattery**

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#### **Education:**

- 2012-2014 Miami University: M.S. Exercise and Health Studies; Concentration: Exercise Physiology; 3.91 GPA.
- 2010-2012 Miami University: B.S. Exercise Science; Concentration: Chemistry of Life Processes; 3.24 GPA
- 2008-2010 Eastern Kentucky University: Strength and Conditioning, 2 years. Transferred to Miami University.

#### **Memberships in Professional Organizations:**

- 2013-2014 American Institute of Aeronautics and Astronautics (AIAA)
- 2012-Present American College of Sports Medicine (ACSM)
- 2012-2014 Aerospace Medical Association (AMA)
- 2012-2014 Aerospace Physiology Society (APS)
- 2012-2013 American Society for Gravitation and Space Biology (ASGSB)

#### **Research Experience and Projects:**

- 2015-2016 Use of FNIRS in Understanding the Concussed Brain
- 2015-2016 Physical and Cognitive Activity Tracking over 2 weeks Post Concussive Injury
- 2015-2016 Blood Pressure measurements during Concussion Recovery
- 2015-2016 Mild Traumatic Brain Injury Assessment Tools in a Healthy Pediatric Population
- 2015-2016 Assessment of Reaction Time using Puck Drop and Touchscreen Program
- 2015-2016 Coach Education in the prevention of Athletic Injuries in a Pediatric Population
- 2014-2016 Normative Values on the King Devick and Puck Drop in a Pediatric Population
- 2014-2016 Effect of Education on High School Girl's Knowledge about Sports Health Issues
- 2014-2016 Post-Concussion Rehabilitation Game to improve Concussion Recovery
- 2014-2015 Footedness and Balance
- 2014 The Effect of Load Uncertainty on Anticipatory Muscle Activity in Catching
- 2014 Effects of Varying Body Limb Lengths on Oxygen Uptake After Resistance Exercise at 75%, 50%, and 33% 1-RM
- 2013-2014 Muscle Imbalance and Postural Sway in Miami University Football Players
- 2013 Oxygen Cost of Circuit Training vs Traditional Training at 75% of 1-RM and VO<sub>2</sub> Max
- 2013 Oxygen Cost of Resistance Exercise at 25%, 50%, and 75% of 1-RM

- 2012-Present The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics
- 2012-Present Assessment of Lower Body Resistance Training Exercises on Hamstring Muscle Activation, Quadriceps-to-Hamstring Activation Ratios, and Medial-to-Lateral Hamstring Activation Ratios
- 2012 Booted Leg from Ankle injury and Their Effect on Gait and Locomotion
- 2011-2012 Correlation of VO<sub>2</sub> Max and Hearing Acuity
- 2011-2012 Glucose Tolerance
- 2011 Effects of Bike Seat Height on a Cyclists Economy and Locomotion
- 2010 Post Exercise Hypotension

**Professional Experience:**

- 2016-Present Clinical Faculty: Kinesiology Lab Coordinator – Miami University
- 2015 Data Analyst – Mark Walsh
- 2014-2016 Clinical Research Coordinator III – Cincinnati Children's Hospital Medical Center
- 2012-2014 Graduate Assistant – Miami University

**Presentations:**

- 2016 ACSM National Conference – **Poster:** Normative Values of the King-Devick in a Pediatric Population
- 2015 ACSM National Conference – **Poster:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics
- 2014 ACSM Midwest Conference – **Poster:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics
- 2014 ISBS National Conference – **Poster:** Assessment of Lower Body Resistance Training Exercises on Hamstring Muscle Activation, Quadriceps-to-Hamstring Activation Ratios, and Medial-to-Lateral Hamstring Activation Ratios
- 2014 ACSM National Conference – **Poster:** Oxygen Cost of Circuit Training vs Traditional Training at 75% of 1-RM and VO<sub>2</sub> Max
- 2014 Exercise Science Seminar – **Oral:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics
- 2013 ACSM National Conference – **Poster:** Glucose Tolerance: A Comparison of Sitting vs. Intermittent Walking on the Active Workstations
- 2013 Prospective Students Day – **Oral:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics & Experience at Congressional Visits Day
- 2013 Congressional Visits Day – **Oral:** Advocated to Ohio Senators and House Reps about why they should continue to fund Aerospace ventures
- 2013 Graduate Research Forum – **Oral:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics
- 2012 Graduate Research Forum – **Oral:** The Prediction of Blood Pressure Using Proxies of Muscle Fiber Type and Anthropometric Characteristics

**Teaching Experience:**

2016-Present KNH 244 Anatomy Lab – 2 Classes  
2013-2014 KNH 402 Senior Capstone – 4 Classes  
2012-2014 KNH 381 Biomechanics Lab – 11 Classes  
2012-2013 KNH 468 Biophysics and Physiology Lab – 2 Classes  
2012-Present KNH 382 Exercise Prescription Lab – 3 Classes

**Lab Equipment/Software Experience:**

2016 AMTI Force Plate  
2016 FNIRS Devices  
2014 Labview  
2014 Ultrasound Transducer  
2013-Present R Statistical Programming  
2012-Present Cosmed Portable VO<sub>2</sub>  
2012-Present SPSS Statistical Software  
2011-Present Bertec Force Plate  
2011-Present GE Electrocardiogram  
2010-Present BodPod  
2010-Present Cholestech 4 Lens System  
2010-Present Isokinetic Dynamometer  
2010-Present Parvomedics Metabolic Cart  
2010-Present Noraxon Surface Electromyography Wireless System  
2010-Present Vicon Nexus 3D Motion Capture