

# CURRICULUM VITA

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## Michael L. Rossetti, Ph.D., CSCS

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### EDUCATION and TRAINING

- 2017-2021      *Ph.D., Exercise Physiology*  
Florida State University  
Department of Nutrition and Integrative Physiology  
Mentor: Bradley S. Gordon, Ph.D.
- 2016-2017      *Ph.D., Exercise Physiology (Transfer)*  
University of Central Florida  
Department of Education and Human Sciences  
Mentor: Bradley S. Gordon, Ph.D.
- 2013-2014      *M.S., Exercise Science*  
East Stroudsburg University of Pennsylvania  
Department of Exercise Science
- 2007-2011      *B.S., Exercise Science*  
Bloomsburg University of Pennsylvania  
Department of Exercise Science
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### PROFESSIONAL EXPERIENCE

- 2023-Present      *Visiting Assistant Professor*  
University of Pittsburgh  
Pittsburgh, Pennsylvania
- 2022-2023      *Strength and Conditioning Coach*  
MADE Strength  
Alpha, New Jersey

2020-2022            **Laboratory Technician**  
Florida State University  
Department of Nutrition and Integrative Physiology  
Tallahassee, Florida

2017-2020            **Graduate Research Assistant**  
Florida State University  
Department of Food, Nutrition, and Exercise Sciences  
Tallahassee, Florida

2016-2017            **Graduate Assistant**  
University of Central Florida  
Department of Sport and Exercise Science  
Orlando, Florida

2014-2016            **Instructor**  
East Stroudsburg University of Pennsylvania  
Department of Exercise Science  
East Stroudsburg, Pennsylvania

2013-2014            **Graduate Assistant**  
East Stroudsburg University of Pennsylvania  
Department of Exercise Science  
East Stroudsburg, Pennsylvania

2013-2014            **Assistant Baseball Coach**  
East Stroudsburg University of Pennsylvania  
East Stroudsburg, Pennsylvania

2012-2013            **Teacher's Aide (Paraprofessional)**  
Phillipsburg School District  
Phillipsburg, New Jersey

Spring 2012            **Assistant Baseball Coach**  
Northampton Community College  
Bethlehem, Pennsylvania

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#### **REFEREED PUBLICATIONS (\* Denotes authors contributed equally to the work)**

1. Gordon BS, Burns PK, Laskin GR, Dunlap KR, Boykin JR, **Rossetti ML**, Fukuda DH, Steiner JL. SIRT1 induction in the skeletal muscle of male mice partially preserves limb muscle mass but not contractile force in response to androgen deprivation. *Journal of Physiology*. (2023) Aug 2. Online ahead of print.

2. Laudato JA, Tice AL, Johnson BR, Russo A, **Rossetti ML**, Bridges BO, Egan A, Gordon BS, Steiner JL. Impact of prior alcohol use on the subsequent development of cancer cachexia in male and female mice. *Journal of Alcohol: Clinical and Experimental Research*. April 2023.
3. Pierre CJ, Azeez TA, **Rossetti ML**, Gordon BS, La Favor JD. Long-term administration of resveratrol and MitoQ stimulates cavernosum antioxidant gene expression in a mouse castration model of erectile dysfunction. *Elsevier Life Sciences*. (2022) Oct 15; Vol 310. Online ahead of print.
4. Tice AL, Laudato JA, **Rossetti ML**, Wolff CA, Esser KA, Lee C, Lang CH, Vied C, Gordon BS, Steiner JL. Bing alcohol disrupts skeletal muscle core molecular clock independent of glucocorticoids. *American Journal of Physiology-Endocrinology and Metabolism*. (2021) Nov 1; 321(5): E606-E620.
5. **Rossetti ML**, Dunlap KR, Salazar G, Hickner RC, Kim JS, Chase BP, Miller BF, Gordon BS. Systemic delivery of a mitochondria targeted antioxidant partially preserves limb muscle mass and grip strength in response to androgen deprivation. *Molecular and Cellular Endocrinology*. (2021) Sep 15.
6. Dunlap KR, Steiner JL, **Rossetti ML**, Kimball SR, Gordon BS. A clinically relevant decrease in contractile force differentially regulates control of glucocorticoid receptor translocation in mouse skeletal muscle. *Journal of Applied Physiology*. (2021) Feb 18. Online ahead of print.
7. **Rossetti ML**, Tomko RJ Jr, Gordon BS. Androgen depletion alters the diurnal patterns to signals that regulate autophagy in the limb skeletal muscle. *Mol Cell Biochem*. (2021) Feb; 476(2): 959-969.
8. Gordon BS, **Rossetti ML**, Casero RA Jr. Spermidine is not an independent factor regulating limb muscle mass in mice following androgen deprivation. *Appl Physiol Nutr Metab*. (2020) Oct 30. Online ahead of print.
9. **Rossetti ML**, Esser KA, Lee C, Tomko RJ, Eroshkin AM, Gordon BS. Disruptions to the limb muscle core molecular clock coincide with changes in mitochondrial quality control following androgen depletion. *American Journal of Physiology-Endocrinology and Metabolism*. (2019) Oct 1; 317(4): E631-E645.
10. Gordon BS, **Rossetti ML**, Eroshkin AM. Arrdc2 and Arrdc3 elicit divergent changes in gene expression in skeletal muscle following anabolic and catabolic stimuli. *Physiological Genomics*. (2019) Jun 1; 51(6): 208-217.
11. Saracino PG\*, **Rossetti ML\***, Steiner JL, Gordon BS. Hormonal regulation of core clock gene expression in skeletal muscle. *Biochemical and Biophysical Research Communications*. (2018) Jan 15; 508(3): 871-876.

12. **Rossetti ML**, Fukuda DH, Gordon BS. Androgens induce growth of the limb skeletal muscles in a rapamycin-insensitive manner. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*. (2018) Oct 1; 315(4): R721-R729.
  13. **Rossetti ML**, Steiner JL, Gordon BS. Increased mitochondrial turnover in the skeletal muscle of fasted, castrated mice is related to the magnitude of autophagy activation and muscle atrophy. *Molecular and Cellular Endocrinology*. (2018) Sep 15; 473: 178-185.
  14. Gordon BS, Steiner JL, **Rossetti ML**, Govinadarjan SS, Eroshkin AM, Williamson DL, Coen PM. REDD1 induction regulates the skeletal muscle gene expression signature following acute aerobic exercise. *American Journal of Physiology-Endocrinology and Metabolism*. (2017) Sep 12; 313: E737-E747.
  15. **Rossetti ML**, Munford SN, Snyder BW, Davis SE, Moir GL. The effects of multiple sets of squats and jump squats on mechanical variables and energy expenditure. *Journal of Strength and Conditioning Research*. (2017) Jul 28.
  16. **Rossetti ML**, Gordon BS. The role of androgens in the regulation of muscle oxidative capacity following aerobic exercise training. *Applied Physiology, Nutrition, and Metabolism*. (2017) June 1: 1-7.
  17. **Rossetti ML**, Steiner JL, Gordon BS. Androgen-mediated regulation of skeletal muscle protein balance. *Molecular and Cellular Endocrinology*. (2017) May 15; 447: 35-44.
  18. Steiner JL, Fukuda DH, **Rossetti ML**, Hoffman JR, Gordon BS. Castration alters protein balance following high frequency muscle contractions. *Journal of Applied Physiology*. (2017) Feb 1; 122(2): 264-272.
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## **NATIONAL and INTERNATIONAL REFEREED PROFESSIONAL CONFERENCES**

Laudato JA, Tice AL, Bridges BO, **Rossetti ML**, Gordon BS, Steiner JL. Chemotherapy mitigates muscular fatigue in cancer cachexia but is ineffective during chronic alcohol use. American College of Sports Medicine National Meeting, Denver, CO, 2023.

Laudato JA, Tice AL, Bridges BO, **Rossetti ML**, Gordon BS, Steiner JL. Alcohol consumption worsens mTOR signaling and prevents preservation of muscle atrophy by chemotherapy during cancer cachexia. Advances in Skeletal Muscle Biology in Health and Disease. Gainesville, FL. 2023.

Laudato JA, Tice AT, Bridges BO, **Rossetti ML**, Gordon BS, Steiner JL. Prior alcohol use does not enhance skeletal muscle atrophy and force decrements induced by cancer cachexia. Experimental Biology Meeting, Philadelphia, PA, April 2022.

Pierre CJ, Azeez TA, **Rossetti ML**, Gordon BS, La Favor JD. Long-term administration of resveratrol and MitoQ stimulates antioxidant gene expression in a mice castration model of erectile dysfunction. Experimental Biology Meeting, Philadelphia, PA, April 2022.

Laudato JA, Tice AL, **Rossetti ML**, Steiner JL. Alcohol worsens cancer cachexia and anabolic signaling in C26 tumor bearing mice. Experimental Biology Meeting, Virtual, April 2021.

**Rossetti ML**, Esser KA, Lee C, Eroshkin AM, Gordon BS. “Disruption of the core molecular clock in the limb skeletal muscle underlies changes in mitochondrial quality control following androgen deprivation.” Experimental Biology Meeting, Orlando, FL, April 2019.

**Rossetti ML**, Esser KA, Lee C, Eroshkin AM, Gordon BS. “Disruption of the core molecular clock in the limb skeletal muscle underlies changes in mitochondrial quality control following androgen deprivation.” Advances in Skeletal Muscle Biology in Health and Disease, Gainesville, FL, March, 2019.

**Rossetti ML**, Fukuda DH, Gordon BS. “Androgens induce growth of limb skeletal muscle in a rapamycin-insensitive manner.” Experimental Biology Meeting, San Diego, CA, April 2018.

Munford SN, **Rossetti ML**, Moir GL, Snyder BW, Davis SE. “The effects of squats and jump squats on mechanical work and energy expenditure.” American College of Sports Medicine Annual Meeting, Denver, CO, June, 2017.

**Rossetti ML**, Gordon BS. “The role of androgens in the aerobic exercise-induced adaptation to skeletal muscle oxidative capacity.” Experimental Biology Meeting, Chicago, IL, April, 2017.

Gordon BS, Steiner JL, Williamson DL, Coen PM, **Rossetti ML**, Govinadarjan SS, Eroshkin AM. “Regulated in development DNA damage 1 (REDD1) alters the expression of a distinct set of genes in skeletal muscle by activity/inactivity.” Experimental Biology Meeting, Chicago, IL, April, 2017.

Steiner JL, **Rossetti ML**, Gordon BS. “Androgens alter mitophagy in the refed metabolic state.” Experimental Biology Meeting, Chicago, IL, April, 2017.

**Rossetti ML**, Gordon BS. “The role of androgens in the aerobic exercise-induced adaptation to skeletal muscle oxidative capacity.” Advances in Skeletal Muscle Biology in Health and Disease, Gainesville, FL, March, 2017.

**Rossetti ML**, Miltenberger MR, Hartey J, Davis SE, Witmer CA, Sauers EJ. “A retrospective analysis of exposure to injury risk factors while playing youth baseball in current collegiate players.” American College of Sports Medicine Annual Meeting, Boston, MA, June, 2016.

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## **LOCAL and REGIONAL REFEREED PROFESSIONAL CONFERENCES**

Munford SN, **Rossetti ML**, Moir GL, Snyder BW, Davis SE. “The effects of multiple sets of squats and jump squats on mechanical work and energy expenditure.” Mid-Atlantic American College of Sports Medicine, Harrisburg, PA, October, 2016.

Snyder BW, **Rossetti ML**, Moir GL, Munford SN, Davis SE. “The effects of multiple sets of squats and jump squats on mechanical variables.” Mid-Atlantic American College of Sports Medicine, Harrisburg, PA, October 2016.

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## **HONORS, AWARDS, and RECOGNITION**

2018                      **3<sup>rd</sup> Place College Research Showcase, Oral Presentation:** College of Human Sciences, Florida State University. This award recognized an outstanding presentation by a graduate degree seeking student.

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## **LABORATORY SKILLS**

### **Human Measures**

- VO2 Max Testing
- Wingate-30 Test
- Blood Analysis (Glucose, Cholesterol, Triglycerides, Lactate) via Lancet
- Blood Pressure
- Urine Specific Gravity
- Bod Pod/BIA
- Hydrostatic Weighing
- Skinfold
- Waist/Hip Circumference
- Polar Heart Rate Monitors

### **Basic Science Laboratory Techniques**

- Protein Isolation and Quantification
- Western Blotting
- General Rodent Handling
- Rodent Muscle Extraction
- Rodent Tumor Extraction
- Rodent High-Frequency, Electrically Induced, Muscle Contractions
- Rodent Aerobic Treadmill Exercise Training
- Rodent Grip Strength Testing
- RNA Isolation, Quantification, and cDNA Synthesis
- RT-PCR
- Muscle Sectioning, Staining, and Quantification of Cross-Sectional Area
- Chemotherapy Drug Preparation and Administration

- Blood Alcohol Analysis
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## **TEACHING EXPERIENCE**

### **Undergraduate**

UNIVERSITY OF CENTRAL FLORIDA

2017                    *Personal Training Methods PET 4083*

2017                    *Personal Fitness PEM 2104*

EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA

2014-2016            *Certified Strength and Conditioning Specialist Workshop EXSC 456*

2014-2016            *Anaerobic Training Workshop EXSC 454*

2016                    *Aerobic Fitness Workshop EXSC 451*

2014-2016            *Power Training of Sport EXSC 342*

2015-2016            *Exercise Physiology II Laboratory EXSC 311*

2014-2016            *Exercise Physiology I Laboratory EXSC 310*

2014                    *Kinesiology-Applied Anatomy Laboratory EXSC 202*

2014-2016            *Strength Training EXSC 122*

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## **PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS**

National Strength and Conditioning Association  
American Physiological Society