

Curriculum Vitae

Bradley S Gordon

January 08, 2024

General Information

University address: Health, Nutrition, and Food Sciences
College of Education, Health, and Human Sciences
Biomedical Research Facility 236
Florida State University
Tallahassee, Florida 32306-1493

E-mail address: bsgordon@fsu.edu

Professional Preparation

2012 PhD, University of South Carolina. Major: Exercise Science. Applied Physiology.

2006 MS, East Stroudsburg University of PA. Major: Exercise Science.

2004 BA, Millersville University of PA. Major: Government and Athletic Coaching.

Nondegree Education and Training

2012–2015 Post Doctoral Scholar: Cellular and Molecular Physiology.

Professional Credential(s)

2006–present Certified Strength and Conditioning Specialist (CSCS).

Professional Experience

2023–present Associate Professor, Health, Nutrition, and Food Sciences, Florida State University.

2017–2023 Assistant Professor, Nutrition and Integrative Physiology, Florida State University.

- 2015–2017 Assistant Professor, Education and Human Sciences, University of Central Florida.
- 2012–2015 Post Doctoral Scholar, Cellular and Molecular Physiology, Pennsylvania State University College of Medicine.

Language Proficiency

English - native in speaking, reading, and writing.

Honors, Awards, and Prizes

- Vernon R. Young International Award for Amino Acid Research, American Society for Nutrition (2019).
- Outstanding Post Doctoral Research Presentation, Pennsylvania State University College of Medicine Post Doctoral Society (2013).
- Outstanding Doctoral Research Award, Southeast American College of Sports Medicine (2012).
- Promising Doctoral Student Scholarship, University of South Carolina (2008).

Current Membership in Professional Organizations

American College of Sports Medicine
American Physiological Society

Teaching

Courses Taught

Directed Individual Study (HUN 5906)
Prelim Doctoral Exam (HUN 8964)
Physical Dimensions of Aging (PET4076)
Physical Dimensions of Aging (PET5077)
Applied Exercise Physiology (APK 3110)
Applied Exercise Physiology (APK3110C)
Introduction to Exercise Sciences (PET3102)
Advanced Exercise Physiology (APK5111C)
Directed Individual Study (HUN 4905)
Food and Nutrition Seminar (HUN 5930)
Food Nutrition Seminar (HUN 6930)
Seminar Food/Nutrition (FOS 6930)
Seminar Food/Nutrition (FOS 5930)
Seminar Movement Sciences (PET 5930)

Seminar Movement Sciences (PET 6930)
Advance Exercise Physiology (APK 5111)
Directed Individual Study (HUN 6906)
Advanced Topics (PET 6931)
Physiology of Exercise (APK 4110)
Physiology of Neuromuscular Mechanisms (PET 6381)
Advanced Cardiovascular Exercise Physiology (PET 6388)
Exercise Biochemical Laboratory Techniques (APK 7139)
Anatomy and Physiology Lab (EXSC 223L)
Anatomy and Physiology Lab (EXSC 224L)
Physical Activity and Health (EXSC 191)
Aerobic Fitness (EXSC 121)
Mechanical Analysis Laboratory (EXSC 203)
Physical Conditioning (EXSC 120)
Strength Training (EXSC 122)
Weight Training and Fitness (PED 143)

Doctoral Committee Chair

Dunlap, K. R., graduate. (2023).
Rossetti, M. L., graduate. (2021).

Doctoral Committee Cochair

Laskin, G. R., doctoral candidate.

Doctoral Committee Member

Laudato, J., graduate. (2023).
Tice, A., graduate. (2023).
Schattinger, C., graduate. (2021).
Clarke, H., graduate. (2021).
Ihrig, C., doctoral student.

Master's Committee Member

Samarah, L., graduate. (2023).
Burns, P., graduate. (2022).
Pottorf, C., graduate. (2022).
Treble, A., graduate. (2022).
Veitenheimer, B., graduate. (2022).
Watts, E., graduate. (2021).

Beltran, J., graduate. (2021).
Hermanns, C., graduate. (2021).
Montgomery, M., graduate. (2021).
Poland, M., graduate. (2021).
Ribas Andrade, M., graduate. (2021).
Sharley, R., graduate. (2021).
Kidd, J., graduate. (2020).
Biagioni, E., graduate. (2020).

Bachelor's Committee Member

Chudy, N., graduate. (2017). [Undergraduate Honors College at UCF]

Research and Original Creative Work

Publications

Invited Journal Articles

Gordon, B. S. (2017). A novel and complex mechanism regulating PGC-1 α expression. *Acta Physiologica*, 220(2), 181-183. doi:10.1111/apha.12846

Refereed Journal Articles

Laskin, G. R., Steiner, J. L., Berryman, C. E., & Gordon, B. S. (2023). SIRT1 induction in the skeletal muscle of male mice partially attenuates changes to whole-body metabolism in response to androgen deprivation. *Biochem Biophys Res Commun*, 682, 124-131. doi:10.1016/j.bbrc.2023.10.005

Gordon, B. S., Burns, P. K., Laskin, G. R., Dunlap, K. R., Boykin, J. R., Rossetti, M. L., Fukuda, D. H., & Steiner, J. L. (2023). SIRT1 induction in the skeletal muscle of male mice partially preserves limb muscle mass but not contractile force in response to androgen deprivation. *J Physiol*, 601(17), 3885-3903. doi:10.1113/JP284869

Laudato, J. A., Tice, A. L., Johnson, B. R., Russo, A., Rossetti, M. L., Bridges, B. O., Egan, A., Gordon, B. S., & Steiner, J. L. (2023). Impact of prior alcohol use on the subsequent development of cancer cachexia in male and female mice. *Alcohol Clin Exp Res*, 47(7), 1271-1282. doi:10.1111/acer.15100

Dunlap, K. R., Steiner, J. L., Hickner, R. C., Chase, P. B., & Gordon, B. S. (2023). The duration of glucocorticoid treatment alters the anabolic response to high-force muscle contractions. *J Appl Physiol*, 135(1), 183-195. doi:10.1152/jappphysiol.00113.2023

- Bridges, B. O., Tice, A. L., Laudato, J. A., Gordon, B. S., & Steiner, J. L. (2023). Mealtime alcohol consumption suppresses skeletal muscle mTORC1 signaling in female mice. *Mol Cell Endocrinol*, 566-567. doi:0.1016/j.mce.2023.111914
- Tice, A. L., Laudato, J. A., Gordon, B. S., & Steiner, J. L. (2023). Chronic alcohol consumption disrupts the skeletal muscle circadian clock in female mice. *J Biol Rhythms*, 38(2), 159-170. doi:10.1177/07487304221141464
- Barney, D. E., Gordon, B. S., & Hennigar, S. R. (2023). REDD1 deletion and treadmill running increase liver hepcidin and gluconeogenic enzymes in male mice. *J Nutr Sci*, 12. doi:10.1017/jns.2023.37
- Pierre, C. J., Azeez, T. A., Rossetti, M. L., Gordon, B. S., & La Favor, J. D. (2022). Long-term administration of resveratrol and MitoQ stimulates cavernosum antioxidant gene expression in a mouse castration model of erectile dysfunction. *Life Sciences*. doi:https://doi.org/10.1016/j.lfs.2022.121082
- Laskin, G. R., & Gordon, B. S. (2022). The influence of nutrients on mechanical overload-induced changes to skeletal muscle mRNA content. *Physiological Genomics*, 54(9), 360-369.
- Tice, A. L., Laudato, J. A., Fadool, D. A., Gordon, B. S., & Steiner, J. L. (2022). Acute binge alcohol alters whole body metabolism and the time-dependent expression of skeletal muscle-specific metabolic markers for multiple days in mice. *Am J Physiol Endocrinol Metab*, 323(3), E215-E230. doi:10.1152/ajpendo.00026.2022
- Dunlap, K. R., Laskin, G. R., Waddell, D. S., Black, A. J., Steiner, J. L., Vied, C., & Gordon, B. S. (2022). Aerobic exercise-mediated changes in the expression of glucocorticoid responsive genes in skeletal muscle differ across the day. *Molecular Cellular Endocrinology*, 550. doi:10.1016/j.mce.2022.111652
- Hain, B. A., Xu, H., VanCleave, A. M., Gordon, B. S., Kimball, S. R., & Waning, D. L. (2021). REDD1 deletion attenuates cancer cachexia in mice. *Journal of Applied Physiology*, 131(6), 1718-1730. doi:10.1152/jappphysiol.00536.2021
- Tice, A. L., Laudato, J. A., Rossetti, M. L., Wolff, C. A., Esser, K. A., Lee, C., Lang, C. H., Vied, C., Gordon, B. S., & Steiner, J. L. (2021). Binge alcohol disrupts skeletal muscle core molecular clock independent of glucocorticoids. *American Journal of Physiology Endocrinology Metabolism*, 321(5), E606-E620. doi:10.1152/ajpendo.00187.2021
- Rossetti, M. L., Dunlap, K. R., Salazar, G., Hickner, R. C., Kim, Jeong-Su, Chase, B. P., Miller, B. F., & Gordon, B. S. (2021). Systemic delivery of a mitochondria targeted antioxidant partially preserves limb muscle mass and grip strength in response to androgen deprivation. *Molecular Cellular Endocrinology*, 535, 111391. doi:10.1016/j.mce.2021.111391

- Laudato, J. A., Tice, A. L., Call, J. A., Gordon, B. S., & Steiner, J. L. (2021). Effects of alcohol on skeletal muscle contractile performance in male and female mice. *PLoS One*, *16*(8), e0255946. doi:10.1371/journal.pone.0255946
- Gordon, B. S., Rossetti, M. L., & Casero, R. A., Jr. (2021). Spermidine is not an independent factor regulating limb muscle mass in mice following androgen deprivation. *Applied Physiology Nutrition and Metabolism*, *46*(5), 452-460. doi:10.1139/apnm-2020-0404
- Dunlap, K. R., Steiner, J. L., Rossetti, M. L., Kimball, S. R., & Gordon, B. S. (2021). A clinically relevant decrease in contractile force differentially regulates control of glucocorticoid receptor translocation in mouse skeletal muscle. *Journal of Applied Physiology*, *130*(4), 1052-1063. doi:10.1152/jappphysiol.01064.2020
- Rossetti, M. L., Tomko, R. J., Jr., & Gordon, B. S. (2021). Androgen depletion alters the diurnal patterns to signals that regulate autophagy in the limb skeletal muscle. *Molecular Cellular Biochemistry*, *476*(2), 959-969.
- Rossetti, M. L., Esser, K. A., Lee, C., Tomko, R. J., Jr., Eroshkin, A. M., & Gordon, B. S. (2019). Disruptions of the Core Molecular Clock in the Limb Skeletal Muscle Coincide with Changes in Mitochondrial Quality Control following Androgen Depletion. *American Journal of Physiology Endocrinology and Metabolism*, *317*, E631-E645.
- Gordon, B., Rossetti, M., & Eroshkin, A. (2019). *Arrdc2* and *Arrdc3* elicit divergent changes in gene expression in skeletal muscle following anabolic and catabolic stimuli. *Physiological Genomics*, *51*(6), 208-217.
- Dungan, C. M., Gordon, B. S., & Williamson, D. L. (2019). Acute treadmill exercise discriminately improves the skeletal muscle insulin-stimulated growth signaling responses in mice lacking REDD1. *Physiological Reports*, *7*(4). doi:10.14814/phy2.14011
- Saracino, P. S., Rossetti, M. L., Steiner, J. L., & Gordon, B. S. (2019). Hormonal Regulation of Core Clock Gene Expression in Skeletal Muscle Following Acute Aerobic Exercise. *Biochemical Biophysical Research Communications*, *508*(3), 871-876. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0006291X18326779?via%3Dihub>
- Rossetti, M. L., Fukuda, D. H., & Gordon, B. S. (2018). Androgens induce growth of limb skeletal muscle in a rapamycin-insensitive manner. *American Journal of Physiology Regulatory Integrative and Comparative Physiology*, *315*(4), R721-R729. Retrieved from <https://www.physiology.org/doi/pdf/10.1152/ajpregu.00029.2018>
- Shimkus, K. L., Jefferson, L. S., Gordon, B. S., & Kimball, S. R. (2018). Repressors of mTORC1 act to blunt the anabolic response to feeding in the soleus muscle of a cast immobilized mouse hindlimb. *Physiological Reports*, *6*(2). Retrieved from <https://physoc.onlinelibrary.wiley.com/doi/full/10.14814/phy2.13891>

- Rossetti, M. L., Steiner, J. L., & Gordon, B. S. (2018). 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*, 473, 178-185. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0303720718300340?via%3Dihub>
- Gordon, B. S., Steiner, J. L., Rossetti, M. L., Qiao, S., Ellisen, L. W., Govindarajan, S. S., Eroshkin, A. M., Williamson, D. L., & Coen, P. M. (2017). REDD1 Induction Regulates the Skeletal Muscle Gene Expression Signature following Acute Aerobic Exercise. *American Journal of Physiology Endocrinology and Metabolism*, 313(6), E737-E747. Retrieved from <https://www.physiology.org/doi/pdf/10.1152/ajpendo.00120.2017>
- Rossetti, M., & Gordon, B. (2017). The role of androgens in the regulation of muscle oxidative capacity following aerobic exercise training. *Applied Physiology, Nutrition and Metabolism*, 1-7. doi:10.1139/apnm-2017-0230
- Steiner, J., Rossetti, M., Fukuda, D., Hoffman, J., & Gordon, B. (2017). Castration alters protein balance after high-frequency muscle contraction. *Journal of Applied Physiology*, 264-272. doi:10.1152/jappphysiol.00740.2016
- Black, A., Gordon, B., Dennis, M., Jefferson, L., & Kimball, S. (2016). Regulation of protein and mRNA expression of the mTORC1 repressor REDD1 in response to leucine and serum. *Biochemical Biophysical Reports*, 296-301. doi:10.1016/j.bbrep.2016.10.003
- Gordon, B. S., Liu, C., Nader, G. A., Jefferson, L. S., & Kimball, S. R. (2016). Loss of REDD1 Augments the Rate of the Overload-Induced Increase in Muscle Mass. *American Journal of Physiology Regulatory Integrative and Comparative Physiology*, 311(3), R545-57. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/27465734>
- Kimball, S. R., Gordon, B. S., Moyer, J. E., Dennis, M. D., & Jefferson, L. S. (2016). Leucine induced dephosphorylation of Sestrin2 promotes mTORC1 activation. *Cellular Signaling*, 28(8), 896-906. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0898656816300626>
- Kimball, S. R., Ravi, S., Gordon, B. S., Dennis, M. D., & Jefferson, L. S. (2015). Amino acid-induced activation of mTORC1 in rat liver is attenuated by short-term consumption of a high-fat diet. *Journal of Nutrition*, 145(11), 2496-502. Retrieved from <http://jn.nutrition.org/content/145/11/2496.long>
- Gordon, B. S., Williamson, D. L., Lang, C. H., Jefferson, L. S., & Kimball, S. R. (2015). The nutrient-induced stimulation of protein synthesis in mouse skeletal muscle is limited by the mTORC1 repressor REDD1. *Journal of Nutrition*, 145(4), 708-13. Retrieved from <http://jn.nutrition.org/content/145/4/708.long>

- Steiner, J. L., Gordon, B. S., & Lang, C. H. (2015). Moderate alcohol consumption does not impair overload-induced muscle hypertrophy and protein synthesis. *Physiological Reports*, 3(3). Retrieved from <http://physreports.physiology.org/content/3/3/e12333.long>
- Gordon, B. S., Steiner, J. L., Lang, C. H., Jefferson, L. S., & Kimball, S. R. (2014). Reduced REDD1 expression contributes to activation of mTORC1 following electrically induced muscle contraction. *American Journal of Physiology Endocrinology and Metabolism*, 307(8), E703-E711. Retrieved from <http://ajpendo.physiology.org/content/307/8/E703.long>
- Gordon, B. S., Lowe, D. A., & Kostek, M. C. (2014). Exercise increases utrophin protein expression in the mdx mouse model of Duchenne muscular dystrophy. *Muscle Nerve*, 49(6), 915-918. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/24375286>
- Martin, T. D., Dennis, M. D., Gordon, B. S., Kimball, S. R., & Jefferson, L. S. (2014). mTORC1 and JNK coordinate phosphorylation of the p70S6K1 autoinhibitory domain in skeletal muscle following functional overloading. *American Journal of Physiology Endocrinology and Metabolism*, 306(12), E1397-405. Retrieved from <http://ajpendo.physiology.org/content/306/12/E1397.long>
- Gordon, B. S., Delgado Diaz, D. D., Carson, J. A., Fayad, R., Wilson, B. L., & Kostek, M. C. (2014). Resveratrol improves muscle function but not oxidative capacity in young mdx mice. *Canadian Journal of Physiology and Pharmacology*, 92(3), 243-51. Retrieved from <http://www.nrcresearchpress.com/doi/pdf/10.1139/cjpp-2013-0350>
- Gordon, B. S., Kazi, A. A., Coleman, C. S., Dennis, M. D., Chau, V., Jefferson, L. S., & Kimball, S. R. (2014). RhoA modulates signaling through the mechanistic target of rapamycin complex 1 (mTORC1) in mammalian cells. *Cellular Signaling*, 26(3), 461-467. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0898656813003665>
- Kelleher, A. R., Gordon, B. S., Kimball, S. R., & Jefferson, L. S. (2014). Changes in REDD1, REDD2, and atrogene mRNA expression are prevented in skeletal muscle fixed in a stretched position during hindlimb immobilization. *Physiological Reports*, 2(2). Retrieved from <http://physreports.physiology.org/content/2/2/e00246.long>
- Gordon, B. S., Delgado Diaz, D. D., & Kostek, M. C. (2013). Resveratrol decreases inflammation and increases utrophin gene expression in the mdx mouse model of Duchenne muscular dystrophy. *Clinical Nutrition*, 32(1), 104-111. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0261561412001264>
- Gordon, B. S., Delgado Diaz, D. D., White, J. P., Carson, J. A., & Kostek, M. C. (2012). Six1 and Six1 cofactor expression is altered during early skeletal muscle hypertrophy. *Journal of Physiological Sciences*, 62(5), 393-401. Retrieved from <http://link.springer.com/article/10.1007%2Fs12576-012-0214-y>

Kostek, M. C., Nagaraju, K., Pistilli, E., Sali, A., Lau, San-Huei., Gordon, B., & Chen, Yi-Wen. (2012). IL-6 signaling blockade increases inflammation but does not improve muscle function in the mdx mouse. *BMC Musculoskeletal Disorders*, 13(106). Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/22716658>

Delgado Diaz, D. D., Gordon, B. S., Dompier, T., Burgess, S., Dumke, C. G., Mazoue, C. G., Caldwell, T., & Kostek, M. C. (2011). Therapeutic ultrasound affects IGF-I Splice variant expression in human skeletal muscle. *American Journal of Sports Medicine*, 39(10), 2233-41. Retrieved from <http://ajs.sagepub.com/content/39/10/2233.long>

Gordon, B. S., Moir, G. L., Davis, S., Witmer, C., & Cummings, D. (2009). An investigation into the relationship of strength, power, and flexibility to club head speed in male golfers. *Journal of Strength and Conditioning Research*, 23(5), 1606-10. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/19620901>

Refereed Reviews

Steiner, J. L., Johnson, B. R., Hickner, R. C., Ormsbee, M. J., Williamson, D. L., & Gordon, B. S. (2021). Adrenal stress hormone action in skeletal muscle during exercise training; An old dog with new tricks? *Acta Physiologica*, 231(1).

Kostek, M. C., & Gordon, B. (2018). Exercise is an adjuvant to contemporary dystrophy treatments. *Exercise Sport Sciences Reviews*, 46(1), 34-41. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/28857889>

Rossetti, M., Steiner, J., & Gordon, B. (2017). Androgen-mediated regulation of skeletal muscle protein balance. *Cellular and Molecular Endocrinology*, 35-44. doi:10.1016/j.mce.2017.02.031

Gordon, B. S., Steiner, J. L., Williamson, D. L., Lang, C. H., & Kimball, S. R. (2016). Emerging role for Regulated in Development and DNA Damage 1 (REDD1) in the regulation of skeletal muscle metabolism. *American Journal of Physiology Endocrinology and Metabolism*, 311(1), E157-74. Retrieved from <http://ajpendo.physiology.org/content/ajpendo/311/1/E157.full.pdf>

Gordon, B. S., Kelleher, A. R., & Kimball, S. R. (2013). Regulation of muscle protein synthesis and the effects of catabolic states. *International Journal of Biochemistry and Cell Biology*, 45(10), 2147-57. Retrieved from <http://www.sciencedirect.com/science/article/pii/S1357272513001878>

Presentations

Invited Keynote and Plenary Presentations at Symposia

Gordon, B. S. (presented 2023, April). SIRT1 is a potential androgen transducer regulating limb muscle mass in males. Plenary presentation in *American Physiological Summit*. Symposium conducted at the meeting of American Physiological Society, Long Beach, CA. (International)

Gordon, B. (presented 2018, June). The Role of REDD1 in the Regulation of Muscle Protein Synthesis and Growth. Plenary presentation in Nicholas Greene (Chair), *Emerging mechanisms of muscle wasting and anabolic resistance*. Symposium conducted at the meeting of American College of Sports Medicine, Minneapolis, MN. (National)

Gordon, B. (presented 2018, April). Role of REDD1 in the Regulation of Skeletal Muscle Gene Expression. Plenary presentation in Francois Favier (Chair), *The role of REDD1 in the regulation of skeletal muscle metabolism*. Symposium conducted at the meeting of American Physiological Society, San Diego, CA. (International)

Invited Presentations at Conferences

Gordon, B. (presented 2019, March). *Arrdc2 and Arrdc3 Expression is Reduced in Skeletal Muscle by Anabolic Stimuli and Directly Related to Autophagy Suppression*. Presentation at Advances in Skeletal Muscle Biology in Health and Disease, The Myology Institute at the University of Florida, Gainesville, FL. (International)

Gordon, B. (presented 2017, March). *Castration alters protein balance following high frequency muscle contractions*. Presentation at Advances in Skeletal Muscle Biology in Health and Disease, The Myology Institute and the University of Florida, Gainesville, FL. (International)

Refereed Presentations at Conferences

Gordon, B. S. (presented 2023, March). *Temporal SIRT1 induction in skeletal muscle reduces the loss of limb muscle mass in response to androgen deprivation*. Poster presentation at Advances in Skeletal Muscle Biology and Disease, Myology Institute of the University of Florida, Gainesville, FL. (International)

Dunlap, K. R., Laskin, G. R., Waddell, D. S., Black, A. J., Steiner, J. L., Vied, C., & Gordon, B. S. (presented 2022, April). *Aerobic exercise-mediated changes in the expression of glucocorticoid responsive genes in skeletal muscle differ across the day*. Poster presentation at Experimental Biology, FASEB, Philadelphia, PA. (International)

- Tice, A. L., Laudato, J., Gordon, B. S., & Steiner, J. L. (presented 2022, April). *Alcohol intoxication stimulates antioxidant gene expression in skeletal muscle in a time dependent manner*. Poster presentation at Experimental Biology, FASEB, Philadelphia, PA. (International)
- Pierre, C., Rossetti, M. L., Gordon, B. S., & La Favor, J. (presented 2022, April). *Long-term administration of resveratrol and MitoQ stimulates antioxidant gene expression in a mouse castration model of erectile dysfunction*. Poster presentation at Experimental Biology, FASEB, Philadelphia, PA. (International)
- Laudato, J. A., Tice, A., Bridges, B., Rossetti, M. L., Gordon, B. S., & Steiner, J. L. (presented 2022, April). *Prior alcohol use does not enhance skeletal muscle atrophy and force decrements induced by cancer cachexia*. Poster presentation at Experimental Biology, FASEB, Philadelphia, PA. (International)
- Laskin, G. R., & Gordon, B. S. (presented 2022, April). *The influence of nutrient consumption on changes to skeletal muscle gene expression in response to mechanical overload*. Poster presentation at Experimental Biology, FASEB, Philadelphia, PA. (International)
- Dunlap, K. R., Rossetti, M. L., & Gordon, B. S. (presented 2020, March). *Autophagy markers altered by dexamethasone are restored by high force contractions in mice*. Poster presentation at New Insights into the Biology of Exercise, Keystone Symposia, Keystone, CO. (National)
- Rossetti, M. L., Fukuda, D. H., & Gordon, B. S. (presented 2018, April). *Androgens induce growth of adult skeletal muscle in a rapamycin-insensitive manner*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (International)
- Steiner, J. L., Rossetti, M. L., & Gordon, B. S. (presented 2017, April). *Androgens alter skeletal muscle mitophagy in the refed metabolic state*. Poster presentation at Experimental Biology, American Physiological Society, Chicago, IL. (International)
- Gordon, B. S., Steiner, J. L., Rossetti, M. L., Govindarajan, S. S., ERoshkin, A. M., Williamson, D. L., & Coen, P. M. (presented 2017, April). *REDD1 induction regulates the skeletal muscle gene expression signature following acute aerobic exercise*. Poster presentation at Experimental Biology, American Physiological Society, Chicago, IL. (International)
- Rossetti, M. L., & Gordon, B. S. (presented 2017, April). *The role of androgens in the regulation of muscle oxidative capacity following aerobic exercise training*. Poster presentation at Experimental Biology, American Physiological Society, Chicago, IL. (International)
- Gordon, B. S., Nader, G. A., Steiner, J. L., Liu, C., Jefferson, L. S., & Kimball, S. R. (presented 2016, April). *REDD1 alters the rate of muscle hypertrophy following functional overload*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (International)

- Gordon, B. S., Nader, G. A., Steiner, J. L., Liu, C., Jefferson, L. S., & Kimball, S. R. (presented 2016, January). *REDD1 alters the rate of muscle hypertrophy following functional overload*. Poster presentation at Advances in Skeletal Muscle Health and Disease, Myology Institute at the University of Florida, Gainesville, FL. (International)
- Gordon, B. S., Williamson, D. L., Jefferson, L. S., & Kimball, S. R. (presented 2015, March). *Nutrient-induced stimulation of protein synthesis in skeletal muscle is limited by the mTORC1 repressor REDD1*. Poster presentation at Experimental Biology, American Physiological Society, Boston, MA. (International)
- Gordon, B. S., Steiner, J. L., Lang, C. H., Jefferson, L. S., & Kimball, S. R. (presented 2014, April). *Role of REDD1 on mTORC1 signaling following eccentric contractions*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (International)
- Gordon, B. S., Steiner, J. L., Lang, C. H., Jefferson, L. S., & Kimball, S. R. (presented 2014, March). *Putative role of REDD1 on mTORC1 signaling following eccentric contractions*. Poster presentation at Advances in Skeletal Muscle Health and Disease, Myology Institute at the University of Florida, Gainesville, FL. (International)
- Gordon, B. S., Williamson, D. L., Jefferson, L. S., & Kimball, S. R. (presented 2014, February). *Nutrient-induced stimulation of protein synthesis in skeletal muscle is limited by the mTORC1 repressor REDD1*. Poster presentation at Data and Dine Post Doctoral Meeting, Penn State College of Medicine, Hershey, PA. (Local)
- Gordon, B. S., Kazi, A. A., Coleman, C. S., Chau, V., Jefferson, L. S., & Kimball, S. R. (presented 2013, April). *RhoA modulates signaling through the mechanistic target of rapamycin complex 1 (mTORC1) in mammalian cells*. Poster presentation at Experimental Biology, American Physiological Society, Boston, MA. (International)
- Gordon, B. S., Kazi, A. A., Coleman, C. S., Chau, V., Jefferson, L. S., & Kimball, S. R. (presented 2013, February). *Novel regulation of mTORC1 signaling by Rho GTPases*. Poster presentation at Data and Dine Post Doctoral Meeting, Penn State College of Medicine, Hershey, PA. (Local)
- Gordon, B. S., Steiner, J. L., Lang, Charles, H., Jefferson, L. S., & Kimball, S. R. (presented 2013, February). *Putative role of REDD1 on mTORC1 signaling following eccentric contractions*. Poster presentation at Data and Dine Post Doctoral Meeting, Penn State College of Medicine, Hershey, PA. (Local)
- Gordon, B. S., Lowe, D. A., & Kostek, M. C. (presented 2012, November). *Exercise increases utrophin protein expression in the mdx mouse model of Duchenne muscular dystrophy*. Poster presentation at Mid Atlantic American College of Sports Medicine, Mid Atlantic Region of the ACSM, Harrisburg, PA. (Regional)

- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2012, June). *Resveratrol Improves Muscle Function but not oxidative capacity in the mdx Mouse Model of Duchenne Muscular Dystrophy*. Poster presentation at American College of Sports Medicine Annual Meeting, American College of Sports Medicine, San Francisco, CA. (International)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2012, April). *Resveratrol improves muscle function and reduces muscle pathology in the mdx mouse model of Duchenne muscular dystrophy*. Poster presentation at Graduate Student Day, University of South Carolina, Columbia, SC. (Local)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2012, April). *Resveratrol Improves Muscle Function in the mdx Mouse Model of Duchenne Muscular Dystrophy*. Poster presentation at Experimental Biology, American Physiological Society, San Diego, CA. (International)
- Collins, B. C., Gordon, B. S., & Kostek, M. C. (presented 2012, February). *Fast to slow: muscle fiber type transformation in response to altered Six1 gene expression*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Jacksonville, FL. (Regional)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2012, February). *Resveratrol improves muscle function in the mdx mouse model of Duchenne muscular dystrophy*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Jacksonville, FL. (Regional)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2011, June). *Resveratrol affects muscle function in mdx mice*. Poster presentation at American College of Sports Medicine Annual Meeting, American College of Sports Medicine, Denver, CO. (International)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2011, April). *Resveratrol affects inflammation in mdx mice*. Poster presentation at Experimental Biology, American Physiological Society, Washington, DC. (International)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2011, February). *Resveratrol's effect on inflammation associated with muscle degeneration/regeneration: a dosage trial*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Greenville, SC. (Regional)
- Delgado-Diaz, D. D., Gordon, B. S., & Kostek, M. C. (presented 2011, February). *Therapeutic ultrasound affects IGF-1 splice variant expression in human skeletal muscle*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Greenville, SC. (Regional)
- Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2010, June). *Six1 Expression Affects Myotube Formation in C2C12 Cell Culture*. Poster presentation at American

College of Sports Medicine, American College of Sports Medicine, Baltimore, MD.
(International)

Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2010, February). *Six1 expression affects myotube formation in C2C12 cell culture*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Greenville, SC. (Regional)

Delgado-Diaz, D. D., Gordon, B. S., Carson, J. A., & Kostek, M. C. (presented 2010, February). *Six1 is decreased in overload-induced muscle hypertrophy*. Poster presentation at Southeast American College of Sports Medicine, Southeast Chapter of the ACSM, Greenville, SC. (Regional)

Gordon, B. S., Delgado-Diaz, D. D., & Kostek, M. C. (presented 2009, June). *Six1 Expression Affects Myotube Formation in C2C12 Cell Culture*. Poster presentation at International Biochemistry of Exercise, International Research Group on Biochemistry of Exercise, Guelph, Ontario. (International)

Delgado-Diaz, D. D., Gordon, B. S., Carson, J. A., & Kostek, M. C. (presented 2009, June). *Six1 is Decreased in Overload-induced Muscle Hypertrophy*. Poster presentation at International Biochemistry of Exercise, International Research Group on Biochemistry of Exercise, Guelph, Ontario. (International)

Gordon, B. S., Moir, G. L., Davis, S., Witmer, C., & Cummings, D. (presented 2006, November). *The relationship of strength, power, and flexibility to club head speed in male golfers*. Poster presentation at Mid Atlantic American College of Sports Medicine, Mid Atlantic Chapter of the ACSM, Harrisburg, PA. (Regional)

Invited Lectures and Readings of Original Work

Gordon, B. S. (2022, April). *How does testosterone make my muscles bigger: implications for aging*. Delivered at Institute for Successful Longevity at Florida State University, Tallahassee, FL. (State)

Gordon, B. S. (2022, February). *Testosterone regulation of limb muscle mass: mechanisms beyond the androgen receptor*. Delivered at Myology Institute at the University of Florida, Gainesville, FL. (National)

Gordon, B. S. (2021, March). *Testosterone regulation of limb muscle size: Chasing a unicorn*. Delivered at Bloomsburg University of PA, Bloomsburg, PA. (Local)

Gordon, B. (2019, May). *Androgen Regulation of Skeletal Muscle Mass: Chasing the Unicorn*. Delivered at Florida State University College of Medicine. (Local)

Contracts and Grants

Contracts and Grants Funded

- Gordon, B. S. (May 2023–Dec 2024). *Role of Period2 in promoting the loss of limb skeletal muscle in response to testosterone depletion*. Funded by Council on Research and Creativity at Florida State University. Total award \$53,696.
- Gordon, B. S. (Apr 2023–Mar 2025). *Resistance exercise to mitigate glucocorticoid myopathy during Alzheimer's*. Funded by National Institutes of Health. Total award \$148,644.
- Gordon, B. S., & Dunlap, K. R. (Jun 2022–May 2022). *Defining the responsiveness of glucocorticoid myopathic skeletal muscle to resistance exercise*. Funded by American College of Sports Medicine (ACSM). Total award \$5,000.
- Gordon, B. S. (Apr 2022–Mar 2024). *Resistance exercise for protection against glucocorticoids in aged skeletal muscle*. Funded by National Institutes of Health. Total award \$148,427.
- Gordon, B. S. (Jan 2022–May 2022). *Identifying proteomic changes in the limb skeletal muscle in response to aging-induced androgen deprivation*. Funded by Oklahoma Nathan Shock Center. Total award \$9,000.
- Gordon, B. S. (May 2021–Apr 2022). *Arrdc2 and Arrdc3 as novel factors promoting the disproportionate loss of aged skeletal muscle in response to reduced physical activity*. Funded by Institute for Successful Longevity at Florida State University. Total award \$15,500.
- Delp, M. D., & Gordon, B. S. (May 2020–May 2023). *Effects of simulated microgravity and partial loading on organ systems of the body*. Funded by National Aeronautics and Space Administration. Total award \$1,199,969.
- Gordon, B. S. (May 2018–Aug 2018). *Linking Changes in Arrdc Expression with Muscle Growth*. Funded by Council on Research and Creativity at Florida State University. Total award \$19,996.
- Gordon, B. S., & Tomko, R. J. (May 2018–May 2019). *Linking Changes in the Muscle Clock to Muscle Atrophy during Hypogonadism*. Funded by Institute for Successful Longevity. Total award \$15,500.
- Altomare, D., & Gordon, B. S. (Mar 2017–Dec 2017). *Characterization of a Novel Mouse Model of Pancreatic Cancer*. Funded by University of Central Florida College of Medicine. Total award \$15,000.

Gordon, B. S. (May 2016–May 2017). *Alternative Therapeutics in Skeletal Muscle*. Funded by University of Central Florida Office of Research and Commercialization. Total award \$7,500.

Gordon, B. S. (Jun 2015–Jun 2017). *Role of REDD1 in the Regulation of Muscle Mass during Cancer-Induced Cachexia*. Funded by National Ladies Auxiliary to the VFW Post Doctoral Fellowship. Total award \$110,000.

Resource Grant

Steiner, J. L., & Gordon, B. S. (2019, May–August). A grant of \$70,000. *Purchase of EchoMRI to assess body composition in Mice, Rats and Tissue specimens*. Sponsored by Florida State University Equipment and Infrastructure Enhancement Grant (EIEG).

Gordon, B. S. (2016, May). A grant of \$85,000. *Measurement of Genetic Material*. Sponsored by University of Central Florida of of Research.

Gordon, B. S. (2016, May). A grant of \$35,000. *Measurement of Muscle Physiology*. Sponsored by University of Central Florida of of Research.

Contracts and Grants Pending

Gordon, B. S. (Oct 2023). *Testosterone regulation of Alzheimer's skeletal muscle pathology in males*. Submitted to National Institutes of Health.

Contracts and Grants Denied

Gordon, B. S. (Aug 2023). *Testosterone regulation of Alzheimer's skeletal muscle pathology in males*. Submitted to Florida Department of Health.

Gordon, B. S. (Oct 2022). *SIRT1 is a novel androgen transducer regulating limb muscle mass*. Submitted to National Institutes of Health.

Gordon, B. S. (Jun 2022). *SIRT1-mediated regulation of limb muscle mass in response to aging-induced hypogonadism*. Submitted to National Institutes of Health.

Gordon, B. S. (Nov 2021). *Core clock regulators mediate limb muscle atrophy in response to hypogonadism*. Submitted to National Institutes of Health.

Gordon, B. S. (Oct 2021). *Resistance exercise to mitigate glucocorticoid myopathy during Alzheimer's*. Submitted to National Institutes of Health.

- Gordon, B. S. (Sep 2021). *Resistance exercise to mitigate glucocorticoid myopathy during Alzheimer's*. Submitted to Florida Department of Health.
- Gordon, B. S. (Feb 2021). *Regulation of muscle mass by the alpha arrestins*. Submitted to National Institutes of Health.
- Gordon, B. S. (Oct 2020). *Resistance exercise for protection against glucocorticoids in aged skeletal muscle*. Submitted to National Institutes of Health.
- Gordon, B. S. (Oct 2020). *REDD1 as a novel regulator of skeletal muscle health and function*. Submitted to National Institutes of Health.
- Gordon, B. S. (Oct 2020). *Core clock-mediated regulation of limb muscle mass during hypogonadism*. Submitted to National Institutes of Health.
- Gordon, B. S. (Mar 2020). *Resistance exercise for protection against glucocorticoids in aged skeletal muscle*. Submitted to National Institutes of Health.
- Gordon, B. S. (Oct 2019). *Androgen-mediated regulation of limb muscle mass*. Submitted to NIH.
- Gordon, B. S. (Jan 2019). *Role of Arrdc2 and Arrdc3 in the Regulation of Muscle Growth Following Mechanical Overload*. Submitted to American College of Sports Medicine.
- Gordon, B. S. (Jan 2019). *Contribution of Spermidine to the Regulation of Muscle Mass during Androgen Deprivation*. Submitted to Allen Foundation.
- Gordon, B. S. (Oct 2018). *Androgen Regulation of Skeletal Muscle Mass*. Submitted to Florida Department of Health.
- Gordon, B. S. (Oct 2018). *Androgen Regulation of Skeletal Muscle Mass*. Submitted to National Institutes of Health.
- Gordon, B. S. (Oct 2018). *Regulation of skeletal muscle mass*. Submitted to National Institutes of Health.
- Hennigar, S., & Gordon, B. S. (Sep 2018). *Role of Iron Absorption during Intense Exercise*. Submitted to Department of Defense.
- Gordon, B. S. (Jun 2018). *Role of the Core Molecular Clock in the Regulation of Muscle Mass during Hypogonadism*. Submitted to National Institutes of Health.
- Gordon, B. S. (Feb 2018). *Role of the Alpha Arrestin Proteins in the Regulation of Skeletal Muscle Growth and Atrophy*. Submitted to National Institutes of Health.

Gordon, B. S. (Oct 2017). *Androgen Regulation of Skeletal Muscle Mass*. Submitted to National Institutes of Health.

Gordon, B. S. (Oct 2017). *Androgen Regulation of Skeletal Muscle Mass*. Submitted to Florida Department of Health.

Gordon, B. S. (Oct 2016). *Regulation of Skeletal Muscle Form and Function*. Submitted to National Institutes of Health.

Gordon, B. S. (Oct 2016). *Androgen Regulation of Skeletal Muscle Mass*. Submitted to Florida Department of Health.

Gordon, B. S. (Oct 2016). *Role of REDD1 in the Regulation of Anabolic Resistance during Cancer*. Submitted to Florida Department of Health.

Gordon, B. S. (Feb 2016). *Testosterone Regulation of the Anabolic Response*. Submitted to National Strength and Conditioning Association.

Gordon, B. S. (Jan 2016). *Testosterone Regulation of the Anabolic Response*. Submitted to American College of Sports Medicine.

Gordon, B. S. (Oct 2015). *Regulation of Skeletal Muscle Form and Function*. Submitted to National Institutes of Health.

Service

Florida State University

FSU College Service

Reviewed abstracts for graduate student showcase, Referee for Graduate Student Showcase (2022).

Judge, Graduate Research Showcase (2021).

FSU Department Service

Member, Department Executive Committee (2017–present).

Committee Member, Graduate Admissions Committee (2017–present).

Chair and Committee Member, Nutrition / Physiology Search Committee (2018–2022).

Member, Undergraduate Curriculum and Standards Committee (2016–2022).

Committee Member, Exercise Physiology Search Committee (2017).

Chair of Committee, EHS Instructor and Lecturer Promotion Committee (2016–2017).

The Profession

Guest Reviewer for Refereed Journals

Journal of Cachexia, Sarcopenia and Muscle (2021–present).

Aging and Disease (Jun 2020–present).

Medicine & Science in Sport and Exercise (Jun 2018–present).

Journal of Cachexia, Sarcopenia, and Muscle (Apr 2018–present).

Journal of Physiology (Mar 2018–present).

BMC Biology (Jan 2018–present).

Experimental Physiology (Oct 2017–present).

Physiological Reports (Jun 2017–present).

Molecular and Cellular Endocrinology (Mar 2017–present).

American Journal of Physiology Regulatory, Integrative and Comparative Physiology (Aug 2016–present).

Acta Physiologica (Jun 2016–present).

American Journal of Physiology Endocrinology & Metabolism (Apr 2014–present).

Journal of Applied Physiology (Mar 2014–present).

Antioxidants (Feb 2021).

GeroScience (2021).

Physiological Genomics (Jul–Nov 2019).

FASEB Journal (Oct 2019).

Cell Death & Disease (Oct 2018–Jan 2019).

Oxidative Medicine and Cellular Longevity (Aug–Sep 2018).

Molecular Nutrition and Food (Apr 2018).

Journal of Strength and Conditioning Research (Jun–Aug 2016).

Nutrition & Metabolism (Jun–Aug 2016).

Judge for an Exhibition

Undergraduate Research Presentation Session. Experimental Biology: American Physiological Society (2016).

Discovery Day. University of South Carolina: University of South Carolina (2012).

High School Science Fair. University of South Carolina: State of South Carolina (2011).

Reviewer or Panelist for Grant Applications

American College of Sports Medicine (2019–present).

National Institutes of Health (2019).

German Research Foundation (2018).

National Strength and Conditioning Association (2017).

Service to Professional Associations

Research Award Abstract Judge, National Strength and Conditioning Association (2016–2018).

Abstract Reviewer, American College of Sports Medicine: Southeast Chapter (2015–2016).

Abstract Reviewer, National Strength and Conditioning Association (2016).

Service to Other Universities

Panel member for fall Research Seminar, *Office of Research and Commercialization* (2016).