

CURRICULUM VITAE

Sang-Rok Lee, Ph.D.

Department Kinesiology
New Mexico State University
Telephone: (575) 646-2266
E-mail: srlee@nmsu.edu

EDUCATION

Ph.D. Florida State University, Tallahassee, FL Major: Exercise Physiology	2012
M.S. Southern Illinois University, Carbondale, IL Major: Exercise Physiology	2007
M.S. Kookmin University, Seoul, South Korea Major: Measurement and Evaluation in Sports Sciences	2002
B.S. Daejeon University, Daejeon, South Korea Major: Sport and Leisure Studies	2000

PROFESSIONAL EXPERIENCE

<u>Associate Professor</u> Department of Kinesiology, New Mexico State University	2021 – Present
<u>Assistant Professor</u> Department of Kinesiology, New Mexico State University	2015 – 2021
<u>Research Program Director</u> Osteopathic Neuromusculoskeletal Medicine (ONMM) Residency Program, MountainView Regional Medical Center	2018 – Present
<u>Graduate Faculty</u> Department of Kinesiology, New Mexico State University	2015 – Present
<u>Postdoctoral Research Associate in Cardiorespiratory/Metabolic laboratory</u> Department of Health & Sport Sciences, University of Memphis	2012 – 2015
<u>Graduate Faculty</u> Department of Health & Sport Sciences, University of Memphis	2012 – 2014
<u>Visiting Research Instructor</u> Department of Health & Sport Sciences, University of Memphis	2013 – 2014
<u>Graduate Research Assistant</u> Muscle Physiology Laboratory, Florida State University	2007 – 2012
<u>Graduate Teaching Assistant</u> Department of Nutrition, Food & Exercise Sciences, Florida State University	2010 – 2012

TEACHING

New Mexico State University

2015 – Present

Undergraduate Courses

- SPMD 3410 Exercise Physiology
- SPMD 4410 Exercise Program for Special Populations

Graduate Course

- SPMD 6450 Skeletal Muscle: Structure and Function
- SPMD 6750 Kinesiology Research
- SPMD 6996 Special Topics

University of Memphis

2013 – 2014

Undergraduate Course

- Exercise Programming for Special Populations

Graduate Course

- Exercise Physiology: Metabolic/Cardiorespiratory Aspect

Florida State University

2010 – 2012

Graduate Teaching Assistant

- Functional Anatomy and Physiology II (Lab)

ADVISING

Doctoral Committee Chair, NMSU

Murphy, Eryn, Ph.D. (Spring, 2020)
 Directo, Dean, Doctoral Student (In Progress)
 Kang, Yangmi, Doctoral Student (In Progress)

Doctoral Committee, NMSU

Munger, Cameron, Ph.D. (Spring, 2020)

Minority Access to Research Careers (MARC) Mentor, NMSU

Jennifer Esquibel, MARC Program (Spring, 2021)

Master's Committee Member, University of Memphis

Gunnels, Trint, M.S. (Spring, 2014).
 Schriefer, John, M.S. (Spring, 2014).
 Rogers, Logan, M.S. (Spring, 2014).

TEACHING PROFESSIONAL DEVELOPMENT

Lesson Planning: Creating Daily Classes with Purpose, Structure, and Flexibility	Aug, 2020
Teach Students: How to Learn Workshop, NMSU Teaching Academy	Feb, 2020
Online Course Improvement Program, NMSU Instructional Innovation & Quality	May, 2019

HONORS, AWARDS, AND CERTIFICATIONS

Teaching Academy Distinguished Member, NMSU Teaching Academy	2020
Elsie Thomas Miller Scholarship, College of Human Sciences, The Florida State University	2010

Scholarship for Academic Achievement, Daejeon University, South Korea
 Scholarship for Academic Achievement, Daejeon University South Korea

1999
 1996

SCHOLARLY OR CREATIVE ACTIVITIES

Refereed Journal Articles

1. Kerber, E., Bukowska, S., Mancol, F., Kosowski, B., & Lee, S-R (2020). Increased vasoconstrictor sensitivity to glucocorticoids is associated with the exaggerated systolic blood pressure during submaximal exercise. *European Journal of Preventive Cardiology*.
2. Lee, S-R., Jo, E., Khamoui, A.V. (2019). Chronic Fish Oil Consumption with Resistance Training Improves Grip Strength, Physical Function and Blood Pressure in Community-Dwelling Older Adults. *Sports*. 7(7), 167.
3. Bloomer, R.J., Schriefer, J. M., Gunnels, T. A., Lee, S-R., Sable, H. J., M. Merwe, van der., Buddington, R. K., & Buddington, K. K. (2018). Nutrient intake and physical exercise significantly impact physical performance, body composition, blood lipids, oxidative stress, and inflammation in male rats. *Nutrients*. 10(8), 1109.
4. Lee, S-R., Khamoui, A. V., Jo, E., Zourdos, M. C., Panton, L. B., Ormsbee, M. J., & Kim, J-S. (2017). Effects of conjugated linoleic acids and omega-3 fatty acids with or without resistance training on muscle mass in high-fat diet-fed middle-aged mice. *Experimental Physiology*. 102(11): 1500-1512.
5. Oh, S-L., Lee, S-R., & Kim, J-S. (2017). Effects of conjugated linoleic acid/n-3 and resistance training on muscle quality and expression of atrophy-related ubiquitin ligases in middle-aged mice with high-fat diet-induced obesity. *Journal of Exercise Nutrition & Biochemistry*. 21(3): 11-18.
6. Melcher, D. A., Lee, S-R., Peel, S. A., Paquette, M. R., & Bloomer, R. J. (2017). Effects of MSM supplementation on oxidative stress, muscle soreness, and performance variables following eccentric exercise. *Gazzetta Medica Italiana – Archivio per le Scienze Mediche*. 176(5): 271-83.
7. Zourdos M. C., Bazylar, C. D., Jo, E., Khamoui, A. V., Park, B-S, Lee, S-R., Panton, L. B., & Kim, J-S. (2016). Impact of a sub-maximal warm-up on endurance performance in trained and competitive male runners. *Research Quarterly for Exercise and Sport*. 16(1): 1-6.
8. Bloomer, R. J., Morgan, R., MacDonnchadh, J., Lee, S-R., & Farber, M. (2016). Impact of 2-nitrooxy-ethyl-2-amino-3-methylbutanoate on blood pressure and plasma nitrate/nitrite following acute exercise in normotensive men. *Medical Research Archives*. 3(6), 1-13.
9. Zourdos, M. C., Jo, E., Khamoui, A.V., Lee, S-R., Park, B-S., Ormsbee, M. J., Panton, L. B., Contreras, R. J., & Kim, J-S. (2016). Modified Daily Undulating Periodization Model Produces Greater Performance than a Traditional Configuration in Powerlifters. *J. Strength Condit. Res*. 30(3): 784-91.
10. Hoffmeister, B. K., Smathers, M. R., Miller, C. J., McPherson, J. A., Thurston, C. R., Spinolo, P. L., & Lee, S-R. (2016). Backscatter difference measurements of cancellous bone using an ultrasonic imaging system. *Ultrasonic Imaging*. 38(4): 285-97.
11. Hoffmeister, B. K., Spinolo, P. L., Sellers, M. E., Marshall, P. L., Viano, A. M., & Lee, S-R. (2015). Effect of intervening tissues on ultrasonic backscatter measurements of bone: An in vitro study. *J. Acoust Soc Am*. 138(4): 2449-57.
12. Lee, S-R., Khamoui, A. V., Jo, E., Park, B-S., Zourdos, M. C., Panton, L. B., Ormsbee, M. J., & Kim, J-S. (2015). Chronic high fat feeding and skeletal muscle mass and function in middle-aged mice. *Aging Clinical and Experimental Research*. 27(4): 403-11.

13. Zourdos, M. C., Henning, P. C., Jo, E., Khamoui, A. V., **Lee, S-R.**, Park, Y-M., Naimo, M., Panton, L. B., Nosaka, K., & Kim, J-S. (2015). Repeated bout effect in muscle-specific exercise variations. *J. Strength Condit. Res.* 29(8): 2270-6.
14. Bloomer, R. J., Harvey, I. C., **Lee, S-R.**, & Stockton, M. L. (2015). Predicting postprandial oxidative stress using serum triglyceride data following oral fat tolerance testing. *British Journal of Medicine and Medical Research.* 5(12): 1514-26.
15. Clements, W. T., **Lee, S-R.**, & Bloomer, R. J. (2014). Nitrate ingestion: A review of the health and physical performance effects. *Nutrients.* 6, 5224-64.
16. Harvey, I. C., **Lee, S-R.**, Gunnels, T. A., Schriefer, J. M., & Bloomer, R. J. (2014). Absence of attenuation in oxidative stress response with repeated lipid-rich feedings. *Oxidants and Antioxidants in Medical Science.* 3(2).
17. **Lee, S-R.**, Schriefer, J. M., Gunnels, T. A., Harvey, I. C., & Bloomer, R. J. (2013). Acute oral intake of a higenamine-based dietary supplement increases circulating free fatty acids and energy expenditure in human subjects. *Lipids Health Dis.* 12, 148.
18. Bloomer, R. J., & **Lee, S-R.** (2013). Women experience lower postprandial oxidative stress compared to men. *SpringerPlus.* 2:553.
19. Park, B-S., Henning, P. C., Grant, S. C., Lee, W-J., **Lee, S-R.**, Arjmandi, B. H., & Kim, J-S. (2013). HMB attenuates muscle loss during sustained energy deficit induced by calorie restriction and endurance exercise. *Metabolism.* 62(12), 1718-29.
20. Bloomer, R. J., Farney, T. M., McCarthy, C. G., & **Lee, S-R.** (2013). *Cissus Quadrangularis* reduces joint pain in exercise-trained men: A pilot study. *Phys Sportmed.* 41(3), 29-35.
21. Kim, J-S., Park, Y-M., **Lee, S-R.**, Masad, I. S., Khamoui, A. V., Jo, E., Park, B-S., Arjmandi, B. H., Panton, L. B., Lee, W-J., & Grant, S. C. (2012). β -hydroxy- β -methylbutyrate did not enhance high intensity resistance training-induced improvements in myofiber dimensions and myogenic capacity in aged female rats. *Mol Cells.* 34(5), 439-48.
22. Jo, E., **Lee, S-R.**, Park, B-S., & Kim, J-S. (2012). Potential mechanisms underlying the role of chronic inflammation in age-related muscle wasting. *Aging Clinical and Experimental Research.* 24(5), 412-22.
23. Wilson, J. M., Grant, S. C., **Lee, S-R.**, Masad, I. S., Park, Y-M., Henning, P. C., Arjmandi, B. H., Panton, L. B., & Kim, J-S. (2012). β -Hydroxy- β -Methyl-Butyrate blunts negative related changes in body composition, functionality, and myofiber dimensions in Fisher 344 rats. *J Int Soc Sports Nutr.* 9(1), 18.
24. Zourdos, M. C., Wilson, J. M., Sommer, B. A., **Lee, S-R.**, Park, Y-M., Henning, P. C., Naimo, M., Panton, L. B., & Kim, J-S. (2012). The effects of dynamic stretching on endurance performance and energy cost in trained runners. *J. Strength Condit. Res.* 26(2), 335-41.
25. Kim, J-S., Wilson, J. M., & **Lee, S-R.** (2010). Dietary implications on mechanisms of Sarcopenia: roles of protein, amino acids, and antioxidants. *J. Nutr. Biochem.* 21(1), 1-13.
26. Wilson, J. M., Hornbuckle, L. M., Kim, J-S., **Lee, S-R.**, Zourdos, M. C., Sommer, B. A., & Panton, L. B. (2010). Effects of static stretching on energy cost and running endurance performance. *J. Strength Condit. Res.* 24(9), 2274-9.

27. Wilson, J. M., Kim, J-S., **Lee, S-R.**, Rathmacher, J. A., Dalmau, B., Kingsley, J. D., Koch, H., Manninen, A. H., Saadat, R., & Panton, L. B. (2009). Acute and timing effects of beta-hydroxy-beta-methylbutyrate (HMB) on indirect markers of skeletal muscle damage. *Nutr and Metab (Lond)*. 4;6:6.

Manuscripts Under Review

1. **Lee, S-R.**, Directo, D., & Khamoui, A. Fish Oil Administration Combined with Resistance Exercise Training Improves Strength, Resting Metabolic Rate, and Inflammation in Older Adults. *European Journal of Applied Physiology*.
2. Murphy, E., An, Y., **Lee, S-R.**, & Wood, R. Validity of Embedded Force Plate Walkway System as An Instrument to Measure Gait Characteristics and Center of Pressure Trajectory Sway in Older Adults. *Journal of Geriatric Physical Therapy*.

Encyclopedia Entries

1. Bloomer, R. J., & **Lee S-R.** Dietary and caloric restriction for health and performance. In: Simon MI & Abelson J (Eds). *Encyclopedia of Human Biology, 3rd Ed.* ISBN: 9780122269806. Elsevier, Oxford, UK.

PRESENTATIONS

Refereed Presentation at Conferences

National Conferences

1. **Lee, S-R.**, Mehlin, R. P., Sigala, G., Krause, J. K., Fitch, L. P., Gabaldon, J. R., Williams, N. L., Directo, D., & Carson, C. C. Resistance Exercise with Fish Oil Improves Muscular Strength and Inflammation in Older Adults. *Med. Sci. Sports. Exerc.* May 2020.
2. Murphy, E., Wood, R., **Lee, S-R.**, & An, Y. Effects of Resting Posture on Gait Characteristics during Timed Up and Go in Older Adults. *Med. Sci. Sports. Exerc.* May 2020.
3. **Lee, S-R.**, Mehlin, R. P., Sigala, G., Krause, J. K., Fitch, L. P., Gabaldon, J. R., & Williams, N. L. Fish Oil Intake and Exercise Improve Physical Function and Resting Metabolic Rate in Older Adults. *Med. Sci. Sports. Exerc.* May 2019.
4. **Lee, S-R.**, Schriefer, J. M., Gunnels, T. A., & Bloomer, R. J. Impact of Dietary Composition and Exercise on Functional Capacity and Cardio-metabolic Health in Male Rats. *Med. Sci. Sports. Exerc.* June 2016.
5. Schulze, A. V., Gunnels, T. A., Schriefer, J. M., **Lee, S-R.**, MacDonnchadh, J. J., Buddington, R. K., Buddington, K. K., M. Merwe, van der., Sable, H. J., Bloer, R. J. & Touchberry, C. D. Exercise Induces Skeletal Muscle Heat Shock Protein Expression Independent of Dietary Macronutrient Content. *FASEB J.* April 2016.
6. Hoffmeister, B. K., Smathers, M. R., Miller, C. J., McPherson, J. A., & **Lee, S-R.** Backscatter difference techniques for bone assessment using an ultrasonic imaging system *J. Acoust Soc Am.* April 2015.
7. Spinolo, P. L., Hoffmeister, B. K., **Lee, S-R.**, Huang, J. Quantitative ultrasonic bone assessment using backscatter measurements at 1 MHz. *American Physical Society.* March 2015.
8. Oh, S-L., **Lee, S-R.**, Khamoui, A. V., Jo, E., Park, B-S., Ormsbee, M. J., Panton, L. B., Kim, D-H., Yeh, M-C., Lee, W-J. & Kim, J-S. Effects of CLA/n-3 and Resistance Training on Muscle Quality in Middle-aged Mice During High-fat Diet. *Med. Sci. Sports. Exerc.* May 2014.

9. **Lee, S-R.**, Jo, E., Khamoui, A.V., Park, B-S., Zourdos, M. C., Panton, L. B., Ormsbee, M. J., & Kim, J-S. Resistance Training and CLA/n-3 Administration Improve Myofiber Size and Myogenic Capacity in High Fat Diet-Fed Mice. *FASEB J.* April 2013.
10. Park, B-S., Henning, P. C., Khamoui, A. V., Jo, E., **Lee, S-R.**, ., Zourdos, M. C., Kim, D-H., Yeh, M-C., & Kim, J-S. HMB Attenuates a Loss of Myofiber Cross-Sectional Area during Prolonged Exercise with Calorie Restriction by Enhancing Regenerative Capacity. *FASEB J.* April 2013.
11. **Lee, S-R.**, Khamoui, A. V., Jo, E., Park, B-S., Zourdos, M. C, Bakhshalian, N., Grant, S. C., Arjmandi, B. H., Ormsbee., M. C., & Kim. J-S. Anti-catabolic Effects of CLA/n-3 in Resting and Loaded Muscles of a High Fat Diet-fed Mice. *Med. Sci. Sports. Exerc.* May 2012.
12. Kim, J-S., **Lee, S-R.**, Grant, S. C., Jo, E., Khamoui, A.V., Park, B-S., Zourdos, M. C., Hooshmand, S., Ormsbee, M. C. & Arjmandi, B. H. Fatty Acid Intake and Exercise Improve Body Composition and Functionality in High Fat Diet-fed Mice. *Med. Sci. Sports. Exerc.* May 2012.
13. Jo. E., Zourdos, M. C., Wilson, J. M., Nosaka, K. K., **Lee, S-R.**, Naimo, M., Henning, P. C., Park, Y-M., Khamoui, A. V., Park, B-S., Panton, L. B., & Kim, J-S. Varying Muscle-specific Exercise Between Consecutive Training Sessions does not Diminish the Repeated Bout Effect. *Med. Sci. Sports. Exerc.* May 2012.
14. Zourdos, M. C., Khamoui, A. V., Jo, E., Park, B-S., **Lee, S-R.**, Panton, L. B., Contreras, R. J., Ormsbee, M. C., Wilson, J. M., & Kim, J-S. Changes in Maximal Strength with Two Different Models of Daily Undulating Periodization in Trained Powerlifters. *Med. Sci. Sports. Exerc.* May 2012.
15. **Lee, S-R.**, Wilson, J. M., Henning, P. C., Park, Y-M., Masad, I. S. Grant, S. C., & J-S. Kim. MR-determined Sarcopenia and Associated Transcript Factors in Sprague-Dawley Male Rats. *FASEB J.* April 2011.
16. Kim, J-S., Henning, P. C., Park, B-S., **Lee, S-R.**, Bakhshalian, N., Masad, I. S., Wilson, J. M., Park, Y-M., Arjmandi, B. H., & Grant, S. C., Impact of β -Hydroxy- β -Methylbutyrate on Body Composition, Functionality, and Myofiber Dimensions during Normal vs. Catabolic Conditions: *In Vivo* Analyses. *FASEB J.* April 2011.
17. Park, B-S., Henning, P. C., **Lee, S-R.**, Wilson, J. M., Park, Y-M., Jo, E., Khamoui, A. V., Zourdos, M. C., & Kim, J-S. β -hydroxy- β -methylbutyrate (HMB) Improves Muscle Mass and Myogenesis and Attenuates Protein Degradation during a 6-week Catabolic Condition. *FASEB J.* April 2011.
18. Henning, P. C., Park, B-S., **Lee, S-R.**, Wilson, J. M., Park, Y-M., Arjmandi, B. H., Grant, S. C., Rathmacher, J. A., & Kim, J-S. β -hydroxy- β -methylbutyrate (HMB) Improves Muscle Mass and Protein Turnover in Male Mice during a 6-week Catabolic Condition. *Med. Sci. Sports. Exerc.* May 2011.
19. Park, Y-M., **Lee, S-R.**, Wilson, J. M., Henning, P. C., Grant, S. C., Arjmandi, B. H., Rathmacher, J. A., & Kim, J-S. Effects of β -hydroxy- β -methylbutyrate on Myogenesis in Old Rats during Resistance Training. *Med. Sci. Sports. Exerc.* May 2011.
20. Wilson, J. M., **Lee, S-R.**, Henning, P. C., Ugrinowitsch, C., Grant, S. C., Park, Y-M., Masad, I. S., Leonard, K. P., Zourdos, M. C., Bakhshalian, N., Panton, L. B., & Kim, J-S. Effects Of β -hydroxy- β -methylbutyrate (HMB) On Myofiber Dimensions And Myogenic Capacity In Young And Old Fisher 344 Rats. *Med. Sci. Sports. Exerc.* May 2011.

21. **Lee, S-R.**, Wilson, J. M., Henning, P. C., Ugrinowitsch, C., Park, Y-M., Zourdos, M. C., Park, B-S., Khamoui, A. V., Jo, E., Grant, S. C., Panton, L. B., & Kim, J-S. β -hydroxy- β -methylbutyrate (HMB) Improves Relative Grip Strength and Sensorimotor Function in Middle aged and Old Rats. *Med. Sci. Sports. Exerc.* May 2010.
22. Henning, P. C., Wilson, J. M., **Lee, S-R**, Figueroa, A., Panton, L. B., Mendez, D., Zourdos, M. C., Park, Y-M., Hooshmand, S., Anaya, F. V., & Kim, J-S. Effects of 3 or 6 grams of β -hydroxy- β -methylbutyrate (HMB) on muscle damage and performance in elderly. *Med. Sci. Sports. Exerc.* May 2010.
23. Park, Y-M., **Lee, S-R.**, Wilson, J. M., Henning, P. C., Bakhshalian, N., Ugrinowitsch, C., Zourdos, M. C., Park, B-S., Jo, E., Khamoui, A. V., & Kim, J-S. Influence of β -hydroxy- β -methylbutyrate on Body Composition and Neuromuscular Function in Old Rats during Resistance Training. *Med. Sci. Sports. Exerc.* May 2010.
24. Kim, J-S., J. M. Wilson, **Lee, S-R.**, Henning, P. C., Park, Y-M., Zourdos, M. C., Ugrinowitsch, C. Grant, S. C., Panton, L. B., Rathmacher, J. A., & Arjmandi, B. H. Daily β -hydroxy- β -methylbutyrate (HMB) Intake Prevents A Loss of Lean/Total Body Mass Ratio during Senescence. *Med. Sci. Sports. Exerc.* May 2010.
25. Wilson, J. M., **Lee, S-R.**, Henning, P. C., Ugrinowitsch, C., Grant, S. C., Park, Y-M., Masad, I. S., Leonard, K. P., Zourdos, M. C., Bakhshalian, N., Panton, L. B., & Kim, J-S. β -hydroxy- β -methylbutyrate (HMB) Decreases Body Fat in Middle Aged and Old Rats. *FASEB J.* April 2010.
26. Kim, J-S., Park, Y-M., **Lee, S-R.**, Wilson, J. M., Henning, P. C., Masad, I. S., Ugrinowitsch, C., Arjmandi, B. H., & Grant, S. C. Effects of β -hydroxy- β -methylbutyrate (HMB) on Myofiber Dimension and Myogenic Response in Old Sprague-Dawley Female Rats during 10-Week Resistance Training. *FASEB J.* April 2010.
27. Park, Y-M., **Lee, S-R.**, Wilson, J. M., Henning, P. C., Ugrinowitsch, C., Zourdos, M. C., Grant, S. C., Arjmandi, B. H., Rathmacher, J. A., & Kim, J-S. Effects of β -hydroxy- β -methylbutyrate (HMB) on Muscle IGF-I and MGF mRNA Expression in Aged Female Rats during 10-Week Resistance Training. *FASEB J.* April 2010.
28. Masad, I. S., Wilson, J. M., **Lee, S-R.**, Park, Y-M., Henning, P. C., Arjmandi, B. H., Kim, J-S., & Grant, S. C. Diffusion Tensor Imaging to Track Changes in Skeletal Muscle Architecture of Sarcopenic Rats. *ISMRM/ESMRMB.* 2010.
29. Masad, I. S., Park, Y-M., **Lee, S-R.**, Wilson, J. M., Henning, P. C., Arjmandi, B. H., Grant, S. C., & Kim, J-S. Effects of β -hydroxy- β -methylbutyrate (HMB) during Resistance Training on Muscle Fiber CSA and Lean Body Mass in Aged Rats: A DTI and DEXA Study. *ISMRM/ESMRMB.* 2010.
30. **Lee, S-R.**, Archer, E. C., Wilson, J. M., Leonard, K. P., Ugrinowitsch, C., Park, Y-M., Henning, P. C., Hooshmand, S., Bakhshalian, N., & Kim, J-S. DXA-determined Body Composition Differences between Young and Old Rats Are Not Sensitive Enough to Predict Age-related Strength and Sensorimotor Function Decrements. *Med Sci Sports Exerc.* May 2009.
31. Zourdos, M. C., Wilson, J. M., Sommer, B. A., Hornbuckle, L. M., Park, Y-M., **Lee, S-R.**, Panton, L. B., & Kim, J-S. The Effects of Dynamic Stretching on Endurance Performance during A 30-Minutire Time Trial. *Med Sci Sports Exerc.* May 2009.
32. Sommer, B. A., Wilson, J. M., Zourdos, M. C., Hornbuckle, L. M., Park, Y-M., **Lee, S-R.**, Panton, L. B., & Kim, J-S. The Effects of Dynamic stretching on Energy Cost during A 30-Minute Time Trial. *Med Sci Sports Exerc.* May 2009.

33. Wilson, J. M., Kim, J-S., **Lee, S-R.**, Wilson, G. J., Sommer, B. A., Colon, J., Diah, T., Mendez, D., Kingsley, J. D., & Panton, L. B. Acute timing effects of β -hydroxy β -methyl butyrate (HMB) supplementation on serum indices of muscle damage. *Med Sci Sports Exerc.* May 2009.
34. Kim, J-S., Wilson, J. M., **Lee, S-R.**, Wilson, G. J., Sommer, B. A., Colon, J., Diah, T., Mendez, D., Kingsley, J. D., & Panton, L. B. Acute Timing Effects of β -Hydroxy β -Methyl Butyrate (HMB) Supplementation on Muscle Strength and Soreness. *Med Sci Sports Exerc.* May 2008.
35. Wilson, J. M., Hornbuckle, L. M., Kim, J-S., Sommer, B. A., **Lee, S-R.**, Diah, T., Dalmeau, B., Mendez, D., & Panton, L. B. The Effects Of Static Stretching On Energy Cost And Endurance Performance During Treadmill Running. *Med Sci Sports Exerc.* May 2008.

Regional Conferences

1. **Lee, S-R.**, Park, Y-M., Wilson, J. M., Henning, P. C., Zourdos, M. C., Bakhshalian, N., Ugrinowitsch, C., Park, B-S., Khamoui, A. V., Jo, E., & Kim, J-S. Effects of β -hydroxyl- β -methylbutyrate (HMB) on Body Composition in Old Sprague-Dawley Female Rats during 10-Week Resistance Training. The 2010 Southeast Regional American College of Sports Medicine. Greenville, SC. 2010.
2. Park, Y-M., Wilson, J. M., **Lee, S-R.**, Henning, P. C., Arjmandi, B. H., Ugrinowitsch, C., Leonard, K. P., & Kim, J-S. β -hydroxyl- β -methylbutyrate (HMB) Improves Maximum Strength in Aged Sprague-Dawley Female Rats during 10-Week Resistance Training. The 2010 Southeast Regional American College of Sports Medicine. Greenville, SC. 2010.
3. Henning, P. C., Wilson, J. M., **Lee, S-R.**, Figueroa, A., Panton, L. B., Mendez, D., Zourdos, M. C., Park, Y-M., Hooshmand, S., Anaya, F. V., & Kim, J-S. Effects of 3 or 6 Grams of β -hydroxyl- β -methylbutyrate (HMB) on Muscle Damage and Performance in Elderly. The 2010 Southeast Regional American College of Sports Medicine. Greenville, SC. 2010.
4. Zourdos, M. C., Ugrinowitsch, C., Wilson, J. M., **Lee, S-R.**, Naimo, M., Henning, P. C., Park, Y-M., Nosaka, K., & Kim, J-S. Changing Exercise Between Sessions Does Not Prevent The Repeated Bout Effect Occurrence. The 2010 Southeast Regional American College of Sports Medicine. Greenville, SC. 2010.
5. Wilson, J. M., Kim, J-S., Colon, J., Koch, H., Dalmeau, B., Rosenfeld, B., Wilson, G. J., **Lee, S-R.**, Kingsley, J. D., & Panton, L. B. Acute timing effects of Hydroxy Methyl Butyrate (HMB) supplementation on strength and soreness. The 2009 Southeast Regional American College of Sports Medicine. Birmingham, AL. 2009.
6. Wilson, J. M., Kim, J-S., **Lee, S-R.**, Wilson, G. J., Sommer, B. A., Colon, J., Diah, T., Mendez, D., Kingsley, J. D., & Panton, L. B. Acute timing effects of β -hydroxy β -methyl butyrate (HMB) supplementation on serum indices of muscle damage. The 2009 Southeast Regional American College of Sports Medicine. Birmingham, AL. 2009.

Local Conferences

1. **Lee, S-R.**, Schriefer, J. M., Gunnels, T. A., & Bloomer, R. J. Impact of Dietary Composition and Exercise on Functional Capacity and Cardio-metabolic Health in Male Rats. Fifteenth Annual URC Research and Creative Activities Fair & New Mexico Alliance for Minority Participation Undergraduate Student Research Conference. NMSU-poster presentation of previously published and presented data, October 2, 2015.

Invited Speaker at Conferences / Meetings

1. Supplements and Programmed Resistance Exercise on Body Composition and Functional Capacity in Older Adults. The Southwest Regional American College of Sports Medicine. Long Beach, CA. 2017.

Invited Speaker at Community and University Organization Symposia

1. Research in Exercise Physiology. MARC Seminar (February, 2018), New Mexico State University, Las Cruces, NM.
2. Rescuing Interventions for Aging-Induced Body Composition Alterations (January, 2018). Biology Department Seminar, New Mexico State University, Las Cruces, NM.
3. Rescuing Interventions for Aging-induced Muscle Wasting (March 2016). Department of Anatomy and Cell Biology Seminar Series, Burrell College of Osteopathic Medicine, Las Cruces, NM.

Research Professional Development

NIH Interactive Grant-Writing Workshop (NIGMS), Lexington, KY

2019

CONTRACTS AND GRANTS

Funded

Lee, S-R., & Hockenbery, D. (9/1/2021~8/31/2023) Exercise Countermeasure Strategies to Counteract Cancer Cachexia and Starve Tumors. U54 Full Project Funding for Partnership for the Advancement of Cancer Research (\$550,000)

Role: Principal Investigator

Lee, S-R. (2015-2017). Effects of Omega-3 Fatty Acids and Programmed Resistance Exercise on Body Composition and Functional Capacity in Elderly Humans. NMSU Emerging Scholar Initiative Grant. (\$7,600).

Role: Principal Investigator

Kim, J-S., & Lee, S-R. (2011-2012), & M.J. Ormsbee. Anti-Sarcopenic Effects of CLA/n-3 in Resting or Loaded Muscles during High Fat Diet. Vital Pharmaceuticals, Inc. (CLA and n-3 Supplement Supply).

Role: co-investigator

Kim, J-S., & Lee, S-R. (2011-2012). Effects of anti-inflammatory supplements and exercise training on sarcopenic obesity. Saekwang FRP Inc. South Korea. (\$8,000).

Role: co-investigator

Lee, S-R. (2011-2012). Dissertation Award. Funded by the Graduate School, The Florida State University. (\$750).

Role: co-investigator

Lee, S-R. (2011-2012). Dissertation Award. Funded by College of Human Sciences, The Florida State University. (\$500).

Role: co-investigator

Not Funded

Lee, S-R (PI). Countermeasure Strategy for Cancer Cachexia. New Mexico IDeA Network of Biomedical Research Excellence -INBRE Full Research Projects. (\$300,000).

Role: Principal Investigator

Lee, S-R. Countermeasure Strategy for Disuse-Induced Muscle Loss in Older Populations. New Mexico IDeA Network of Biomedical Research Excellence -INBRE Pilot Research Projects. (\$25,000).

Role: Principal Investigator

Lee, S-R., & Hockenbery. U54 Pre-Pilot Funding for NMSU-Fred Hutch Research Partnership (\$10,000).

Role: Principal Investigator

Lee, S-R. Rescuing Intervention for Sarcopenic Obesity. New Mexico IDeA Network of Biomedical Research Excellence -INBRE Full Research Projects. (\$225,000).

Role: Principal Investigator

Lee, S-R. Countermeasure Strategies for Sarcopenic Obesity in Hispanic Elderly. MW CTR-IN Health Disparities Pilot Grant (\$60,000).

Role: Principal Investigator

Lee, S-R. Effects of Programmed Resistance Exercise and Omega-3 Fatty Acids on Sarcopenic Obesity. NMSU Interdisciplinary IMPACT Mini-Grants (\$40,000).

Role: Principal Investigator

Lee, S-R. Effect of Omega-3 Fatty Acids and Resistance Exercise Training on Sarcopenic Obesity in Healthy and Obese Pre-Sarcopenic Humans. National Institute of Health (1SC2GM121255-01: \$300,000).

Buddington, R. K., Sutter, T., Liu, A., van der Merwe, M., Sable, H., **Lee, S-R., & Buddington, K.** Responses of host/gut microbiota interactions to stressors that disturb sleep cycles and circadian rhythms are mediated by changes in host physiology. Office of Naval Research. (\$1,234,434).

Role: co-investigator

Lee, S-R. Anti-Sarcopenic Effects of CLA/n-3 in Resting or Loaded Muscles during High Fat Diet. Doctoral Student Research Grants, American College of Sports Medicine. (\$5,000). Submitted to American College of Sports Medicine Doctoral Grant.

SERVICE

NMSU University Service

Faculty Senate	2019 – present
University Affairs Committee	2019 – present

NMSU Intramural Service

Minority Access to Research Careers (MARC) Mentor	2017 – present
Kinesiology Research Club Mentor	2015 – 2017

NMSU College Service

College of Education (Research)	2015 – 2018
---------------------------------	-------------

NMSU Department Service

Committee member (Budget & Technology)	2015 – 2017
Committee Chair (Budget & Technology)	2017 – 2018
Faculty Search Committee	2017 – 2018
Faculty Search Committee Chair	2018 – 2019
Faculty Search Committee	2019 – 2020
Faculty Search Committee	2021 – 2022

Manuscript Reviewer

Applied Physiology, Nutrition, and Metabolism
 Journal of Sport and Health Science
 Redox Report
 Experimental Gerontology
 Journal of Strength and Conditioning Research
 Nutrition and Diabetes
 Journal of Sports Sciences
 European Journal of Applied Physiology
 Journal of Functional Foods
 European Journal of Nutrition

Professional Societies

American College of Sports Medicine
 The American Physiological Society

PROFESSIONAL CREDENTIALS

Dual Energy X-ray Absorptiometry (DXA) Operator
 Life Guard
 Instructor License (Tennis)
 Instructor License (Swimming)
 Scuba Diving (Open Water)
 Recreation Leadership

American Registry of Radiologic Technologists
 Korea Red Cross Association
 Korea Ministry Culture Sport & Tourism
 Korea Ministry Culture Sport & Tourism
 NAUI
 Korea Recreation Association