**Biographical Sketch**

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**󠇛 Introduction**

*Dr. Lee is an Researcher in the department of Physical Education Sports Science Lab at Keimyung University, Korea. His research interest covers Obesity, Aging, neurological disease, martial arts and molecular biological mechanism study. Since 2016, he has been conducting research on physiology and molecular biological mechanisms at Keimyung University's Sports Science Laboratory.*

**󠇛 Academic degrees**

*\*B.A. Kyungwoon University, Department of Security Studies, Korea*

*\*M.A. Kyungwoon University, Department of Social Physical Education. <The Effect of 12 Weeks of Combined Exercise on Obesity Factor, Metabolism Risk Factor and Cognitive Function in Older Female Adults>, Korea.*

*\*Ph.D. University of Keimyung, Department of Physical Education. <Effects of Exercise on Cytokines and Neurotrophic Protein Expression in Beta-amyloid Treated Obese Rats>, Korea.*

**󠇛 Honors**

*\*88 Seoul Olympic Commemorative Conference (Poster Presentation Award): 2019.  
\*Korean Society of Motion Physics (Excellent Poster Presentation Award): August 24, 2019.  
\* International Journal of Crisis & Safety (Excellent Paper): September 30, 2020.  
\* Korean Academy of Kinesiology (Best Oral Presentation): October 25, 2020.  
\*Korea Lifestyle Medical Association (Best Presentation Award for New Researchers): December 11, 2020.  
\*Korea Lifestyle Medical Association (Excellent Poster Presentation Award): November 19, 2021.  
\*Academic conference for undergraduate and graduate students (Best Poster Award): December 2, 2021.  
\*Korean Obesity Society (Excellent Poster Presentation Award): March 12, 2022.  
\*Korean Society of Motion Physics (Excellent Poster Presentation Award): April 8, 2022.*

**󠇛 Journal articles**

*\** ***Lee GH*** *& Kim YW & Jang JH & Lee C & Yoon JW & Ahn NY & Kim KJ. Effects of an Exercise Program Combining Aerobic and Resistance Training on Protein Expression of Neurotrophic Factors in Obese Rats Injected with Beta-amyloid. International Journal of Environmental Research and Public Health, 19(13):7921, 2022.*

*\*****Lee GH*** *& Kim KJ. Effects of Endurance Training on Physical Fitness, Cognitive Function, and Protein Expression of Mykoines in Beta-Amyloid Treated Obese Rats. Journal of Living Science Research, 47:1-12, 2022.*

*\*Kim TH &* ***Lee GH*** *& Kim KJ. Effects of High Intensity Interval Training Program for Male High School Rower. Journal of Coaching Development, 23(4):206-211, 2021.*

*\*****Lee GH*** *& Kim KJ. The Effect of 12-weeks of Fitness Program on Physical Fitness Metabolic Risk Factors, and Cognitive function of Aged Women with Mild Dementia. Kinesiology, 5(2):40-53, 2020.*

*\*Ahn NY & Ju YS &* ***Lee GH*** *& Kim KJ. Changes of Body Composition, Physical Fitness, and Cognitive Function after 16-week Regular Exercise Training in Elder women with Dementia. Journal of Coaching Development, 21(1):110-117, 2019.*

*\*****Lee GH*** *& Kim KJ. Effects of Resistance Exercise and Fermented Soybean Ingestion on the Appearance of Inflammatory Cytokine, Metabolic Risk Factors, and the Body Composition in Obesity Induced White Rats. International Journal of Crisis & Safety, 5(2):55-65, 2020.*

*\*Ju YS &* ***Lee GH*** *& Kim SW & Choi MS & Park JS & Ahn NY & Kim KJ. Evidence for Leg link and Squat Exercise Training Equipment Development for Gait Ability Elderly Subjects. Journal of Coaching Development, 20(4):89-97, 2018.*

*\*Ahn NY & Park JS & Choi MS & Ju YS &* ***Lee GH*** *& Kim SW & Kim KJ. Changes of Body Composition and Gait Ability related Physical Fitness after Exercise Training of Leg link and Squat Movement in 70-aged Women. Journal of Coaching Development, 20(3):83-90, 2018.*

*\*Kim KJ & Ahn NY & Ju YS &* ***Lee GH*** *& Kim MY & Jeong YJ. Effects of Aerobic Exercise Training and Natural Fermented Vinegar on Body Composition Cardiopulmonary Function in Middle Aged Women. The Korean Journal of Sports Medicine, 36(3):126-134, 2018.*

*\*Kim KJ & Moon DW & Choi JP & Jeoung BK & Ahn NY & Yoon JD & Park JS &* ***Lee GH*** *& Kim TH. Academic Paradigm of Sports Coaching Science and Development Plan of Academic Journal. Journal of Coaching Development, 25(1):2-2, 2018.*

*\*Kim KJ & Ahn NY & Jung SR &* ***Lee GH*** *& Kim MY & Jeong YJ. Effects of Resistance Exercise and Fermented Soybean Consumption on Glucose Tolerance and Expressions of Immune Senescence Related Myokines in Middle Aged Obese Rats. The Korean Journal of Obesity, 27(3):186-194, 2018.*

*\*Kim KJ & Jung SR & Ahn NY & Park JS & Ju YS & Kim SW &* ***Lee GH*** *& Kim MY & Jeong YJ. Effects of long-term Endurance Exercise and Salvia Miltiorrhiza Vinegar on Body Composition and Insulin Resistance in High Fat Diet induced Obese Rats. The Korean Society of Food Preservation, 24(5):666-672, 2017.*

*\*Ahn NY &* ***Lee GH*** *& Kim KJ. Effects of Combined Exercise Training on Liver Enzymes in 60s Elderly Female. The Korean Journal of Growth and Development, 24(3):339-344, 2016.*

*\** ***Lee GH*** *& Kim HS & Sung KH & Jang KR & Hyun JK & Park JS & Kim KJ. Developmental Analysis of Exercise Program in Silver Welfare Facilities. Journal of Sport Science, 2(1):21-30, 2016.*

*\*****Lee GH*** *& Kim SY & Yoon JD. The Effect of 12 Weeks of Combined Exercise on Obesity Factor, Metabolism Risk Factor and Cognitive Function in Older Female Adults. The Korean Journal of Sports,14(1):373-382, 2016.*