



2025 KSEP Annual Meeting

2025년 한국운동생리학회 정기국제학술대회

A Better Tomorrow with Exercise Physiology

Gyeongbuk Nat'l Univ. & Andong Grand Hotel, Thur, April 10 - Sat, April 12, 2025



Round Tables & Fostering and Sharing an Innovative Sport Science Community

Date & Time

Moderator: Kyeongho Byun (Incheon Nat'l Univ.)

10th
(Thur.)

11:30-13:30
(Peppermint Hall,
Andong Grand
Hotel)

Round Tables: Counseling session for admission to graduate schools in Korea and abroad

Moderators: Tae-Kyung Han (Gyeongbuk Nat'l Univ.)

Oral Presenters

1. Advising for U.S. Doctoral Studies: **Ji-Seok Kim** (Gyeongsang Nat'l Univ.) & **Kwang-Seok Hong** (Chung-Ang Univ.),
2. Advising for Japan Doctoral Studies: **Min-Chul Lee** (CHA Univ.) & **Kyeongho Byun** (Incheon Nat'l Univ.)
3. Advising for Korea Doctoral Studies: **Hyo-Yeol Moon** (Seoul Nat'l Univ.) & **Min-Sung Ha** (Univ. of Seoul)

Participants

CHA Univ.: Donggi Kim / **Changwon Nat'l Univ.:** Inhwan Lee & Min-Jun Kim

Gyeongbuk Nat'l Univ.: Hanul Ryu, Seok-Won Jeong, Gyeong-Eun Park, Sun-Bong Kim, Geon-Hui Kim, Min-Jun Song, Ji-Woo Lee, Ji-Yeon Lim & Ji-Su Lim

Gyeongsang Nat'l Univ.: Jong-Hwa Won / **Konkuk Univ.:** Sung-Woo Kim & Jae-Ho Choi / **Kyungpook Nat'l Univ.:** Junchul Shin & Junsu Kim

Korea Nat'l Univ. of Edu.: Kyeong-Lae Kim, Hong-Ju Kim & Youn-Hwa Lee / **Korea Nat'l Open Univ.:** Eun-Sun Yoon

Hannam Univ.: Jae-Seung Chang / **Incheon Nat'l Univ.:** Seungyong Lee, Yoonsu Kim, Yeong-hwan Jo/

Kyeongho Byun, Hunyoung Ha & Heehyeon Shin / Young-Min Park, Yuan Tan, Byeong-Jun Ryu & Seung-Min Lee

Sangmyung Univ.: Seung-Soo Baek, Sun-Ju Park, Dehua Gong, Yulong Liang, Jungwon Park & Dabin Kim / **Seoul Nat'l Univ.:** Jaeyeon Park & Sangyoon Kim

Sunchon Nat'l Univ.: Bong-Seok Oh / **Sungkyunkwan Univ.:** Jinkyung Cho, Jiho-Shin, Yoon-Hwan Kim & Taewan Kim / **Hanyang Univ.:** Dong-Min Kwak

Date & Time		Room 1. (Grande Hall, Andong Grand Hotel) Moderator: Young-Min Park (Incheon Nat'l Univ.)
10 (Thur.)	14:00-14:55	Registration & Reception
	14:55-15:00	Symposium 1. Basic Exercise Science in Kinesiology Chair: Sang-Ki Lee (Chungnam Nat'l Univ.) & Moon-Hyon Hwang (Incheon Nat'l Univ.)
	15:00-15:20	1. Kyung-Wan Baek (Gyeongsang Nat'l Univ.) Transplantation of Exercise-enhanced Mesenchymal Stem Cells Improves Obesity and Insulin Resistance via Immune Modulation in Adipose Tissue
	15:20-15:40	2. Junchul Shin (Kyungbuk Nat'l Univ.) The Loss of Prolyl Hydroxylase Domain 2 Enhances Exercise Capacity and Muscle Angiogenesis
	15:40-16:00	3. Choung-Hun Kang (Inha Univ.) Exercise-Microbiome Interaction: New Insights into Optimizing Performance and Preventing Metabolic Diseases
	16:00-16:10	Break
	16:10-16:15	* Keynote Speaker: Exercise Physiology for a Better Tomorrow Chair: Eun-Jung Yoon (Kongju Nat'l Univ.) & Seung-Soo Baek (Sangmyung Univ.)
	16:15-16:45	* 4. Dongsun Park (Dept. of Veterinary Medicine, Kangwon Nat'l Univ.) Exercise: Exploring the Cell
	16:45-16:55	Break
	16:55-17:00	Joint Session between KISS and KSEP: Regional Sports Science & National Fitness Award Chair: Saejeong Park (Korea Institute of Sport Science) & Tae-Bum Seo (Jeju Nat'l Univ.)
	17:00-17:20	5. Jung-Jun Lim (Korea Institute of Sport Science) Innovation and Outcomes of Integrated Sports Science Support for National Athletes at the 2024 Paris Olympics
	17:20-17:40	6. Jiyoung Kim (Korea Institute of Sport Science) The Importance of Recovery After Competition and Training for Para Athletes: Applications for the 2024 Paris Paralympics
	17:40-18:00	7. Ju-Ha Chung (Sport Science Center, Chungnam) The Role of Sports Science Support in Enhancing Performance of Regional Elite Athletes: Insights and Case Studies
	Welcome Ceremony	

Fostering and Sharing an Innovative Sport Science Community

Moderators: Kyeongho Byun (Incheon Nat'l Univ.)

Panel Discussion: Seung-Soo Baek (Sangmyung Univ.) & Tae-Kyung Han (Gyeongkuk Nat'l Univ.)

Ah-Ram Kim (Dankook Univ.), Boguen Lee (Korea Institute Sport Science), Changyun Oh (Jeju Nat'l Univ.), Da-Yeon Choi (Sungkyunkwan Univ.), Daeun Baek (Korea Institute of Sport Science), Daeyeol Kim (Chonnam Nat'l Univ.), Dehua Gong (Sangmyung Univ.), Dong-Gi Kim (CHA Univ.), Dongmin Kwak (Hanyang Univ.), Eun-Ji Jang (Korea Institute of Sport Science), Eun-Jeong Cho (Inha Univ.), Eun-Sun Yoon (Korea Nat'l Open Univ.), Fengrui Zhan (Pusan Nat'l Univ.), Gyeoul Kim (Incheon Nat'l Univ.), Han-Jun Lee (Univ. of Ulsan), Hee-Hyun Shin (Incheon Nat'l Univ.), Hee-Jae Yang (Hanyang Univ. ERICA), Hee-Joung Jeon (Korea National Sports Univ.), Hong-Ju Kim (Korea Nat'l Univ. of Education), Hongsun Song (Gyeongkuk Nat'l Univ.), Hunyoung Ha (Incheon Nat'l Univ.), Hye-Jung Oh (Korea Nat'l Sports Univ.), Hye-Min Park (Gyungbuk Sport Science Center), Hyo-Bum Kwak (Inha Univ.), Hyo-Yeol Moon (Seoul Nat'l Univ.), Hyunsik Lim (Korea Institute of Sport Science), Ilyoung Jeong (Inha Univ.), In-Gyu Kim (Gyeongsang Nat'l Univ.), Inhwan Lee (Changwon Nat'l Univ.), Jae-Ho Park (Nat'l Institute of Health), Jae-Yeon Park (Seoul Nat'l Univ.), Jaeho Jin (Chungnam Nat'l Univ.), Jawon Lim (Seoul Nat'l Univ.), Ji-Hyeon Kim (Mokpo Nat'l Maritime Univ.), Ji-Seok Kim (Gyeongsang Nat'l Univ.), Ji-Young Kim (Korea Institute of Sport Science), Ji-Soo Seo (Korea Institute of Sport Science), Jiae Yeon (Korea Institute of Sport Science), Jiho Shin (Sungkyunkwan Univ.), Jieun Lee (Seoul Nat'l Univ.), Jin Joo Lee (Korea Institute of Sport Science), Jinyeong Choi (Korea Institute of Sport Science), Jinsoo Eun (Jeju Univ.), Jong-Hwa Won (Gyeongsang Nat'l Univ.), Ju-Young Hwang (Korea Institute of Sport Science), Juhun Park (Inha Univ.), Jung-Jun Park (Pusan Nat'l Univ.), Jung-Yeon Park (Korea Institute of Sport Science), Jungjun Lim (Korea Institute of Sport Science), Kahye Sim (Korea Institute of Sports Science), Keora Lee (Korea Nat'l Univ. of Education), Kiuk Jang (Korea Institute of Sport Science), Kijeong Kim (Univ. of Ulsan), Kyeong-Lae Kim (Korea Nat'l Univ. of Education), Kyung-Wan Baek (Gyeongsang Nat'l Univ.), Kwangseok Hong (Chung-Ang Univ.), Kwon Seok Han (Korea Institute of Sport Science), Minchul Lee (CHA Univ.), Minjun Kim (Research Institute of Future Convergence), Minseong Lee (Korea Institute of Sport Science), Myeong-Won Yoon (Univ. of Seoul), Nayeon Oh (Sungkyunkwan Univ.), Nayoung Ahn (Keimyung Univ.), Sang-Hoon Lee (Korea Institute of Sport Science), Sang-Hye Won (Inha Univ.), Sang-Koo Woo (Gyeongkuk Nat'l Univ.), SangMin Kim (Chungnam Nat'l Univ.), Sangyun Kim (Seoul Nat'l Univ.), Seong-Hyeon Jeong (Univ. of Seoul), Seung-Min Lee (Incheon National University), Seungyong Lee (Incheon Nat'l Univ.), Seoyeon Kim (Inha Univ.), Soo-Hyun Park (Korea Institute of Sport Science), Sun-Bong Kim (Gyeongkuk Nat'l Univ.), Sunju Park (Sangmyung Univ.), Suwol Yang (Inha Univ.), Tae-Hun Kim (Korea Institution of Sports Science), Tae-Kyung Kim (Korea National Sport University), Tae-Yeon Kim (Seoul Nat'l Univ.), Taecon Park (Seoul Nat'l Univ.), Taejin Kwak (Korea Institute of Sports Science), Taewan Kim (Sungkyunkwan Univ.), U Seok Im (Korea Institute of Sports Science), Wonil Park (Korea Institute of Sport Science), Wooyeon Jo (Chungnam Nat'l Univ.), Yang Xudong (Chungnam Nat'l Univ.), Yeong-Hyun, Cho (Korean Institute of Sports Science), Yeong-Jik Kim (Jeju Nat'l Univ.), Yongyao Cai (Jeonbuk Nat'l Univ.), Yoon-Hwan Kim (Sungkyunkwan Univ.), Yoonsu Kim (Incheon Nat'l Univ.), Younshin Nam (Duksung Women's Univ.), Youn-Hwa, Lee (Korea Nat'l Univ. of Education), Young-Min Park (Incheon Nat'l Univ.), Youngpyo Kim (Jeju Nat'l Univ.), Youngjun, Park (Korea Institute of Sport Science), Younghwan Jo (Incheon Nat'l Univ.), Yu-Hyeon Choe (Inha Univ.), Yuan Tan (Incheon Nat'l Univ.), Yulong Liang (Sangmyung Univ.), Zheng Yaxong (Chungnam Nat'l Univ.), Jiwon Kim (Dongduk Women's Univ.).

Sponsor segment:



18:00-20:00
(Grande Hall, Andong Grand Hotel)

Date & Time		Room 1. Symposium (Room 1411, 4th Floor, College of Social Sciences Building W8, Gyeongkuk Nat'l Univ.)	Room 2. Free Communication (Room 1113, 1st Floor, College of Social Sciences Building W8, Gyeongkuk Nat'l Univ.)	
		Moderator: Seung-Kyum Kim (Seoul Nat'l Univ. of Science and Technology)	Moderator: Young-Min Park (Incheon Nat'l Univ.)	
11 (Fri.)	07:50-08:00	Panel discussion: Impact of Exercise Physiology in Kinesiology Chair: Young-Pyo Kim (Jeju Nat'l Univ.) & Bong-Seok Oh (Sunchon Nat'l Univ.) <i>*Complimentary light breakfast provided</i>	 KSEEP Exercise Science ksep-es.org	
	08:00-08:15	8. Seung-Soo Baek (Sangmyung Univ.) Rehabilitation Exercise and Sports for Health Promotion of Individuals with Disabilities		
	08:15-08:30	9. Kyeongho Byun (Incheon Nat'l Univ.) The Process of Exercise Intervention Studies in Human Subjects		
	08:30-08:45	10. Jung-Hyun Kim (Kyung Hee Univ.) Methodological Approaches to Local, Systemic and Environmental Hypoxia in Human Experimentation		
	08:45-09:00	Break		
	09:00-09:05	Symposium 2. Applied Exercise Science in Kinesiology Chair: Dong-Min Kwak (Hanyang Univ.) & Jae-Seung Chang (Hannam Univ.)		Session 1. Clinical Exercise Science for Kinesiology Chair: Soo-Hyun Park (Korea Institute of Sport Science) & Eun-Sun Youn (Korea Nat'l Open Univ.)
	09:05-09:30	11. Youngju Song (Kyung Hee Univ.) High-Intensity Exercise Mobilizes Immune Cells for Gut Surveillance		21. Jaewook Lee (Kyung Hee Univ.) Neuromuscular Activation during Running, Walking and Single Leg Standing: Amplitude and Frequency Analysis
	09:30-09:55	12. Hyun-Seok Hwang (Baylor Univ., USA) <i>Online</i> Exercise-induced Ventricular Tachycardia and Sudden Cardiac Death		22. Daekyoo Kim (Korea Univ.) Plantar Somatosensory Restoration Enhances Gait, Speed Perception, and Motor Adaptation
09:55-10:00	Break	 Gojin Motors		

10:00-10:05	Symposium 3. Joint Symposium between JSPFSM and KSEP Chair: Takayuki Akimoto (Waseda Univ. Japan) & Jung-Hyun Kim (Kyung Hee Univ.)	Session 2 New Approached Studies in Exercise Science Chair: Kijeong Kim (Univ. of Ulsan) & Hyo-Yeol Moon (Seoul Nat'l Univ.)
10:05-10:30	13. Jin-Ho Koh (Yonsei Univ. Wonju College of Medicine) Exercise-Induced Metabolic Reprogramming in Skeletal Muscle: The Role of Lactate	23. Da-Ae Kim (Korea Univ.) 2024 KSEP 우수박사논문상 Effect of Rhythmic Exercise on Physical Fitness, Inflammatory Cytokines, Dementia-Related Blood Variables and Cognitive Function in Elderly Women
10:30-11:00	14. Sho Hatanaka (Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan) Optimizing Resistance Training: Adding a Focus on Skeletal Muscle Cell Mass to Skeletal Muscle Mass	24. Jin Yoo (Chonnam Nat'l Univ.) Therapeutic Effect of Exercise and miR-495-3p-I in MCAo Model
11:00-11:30	15. Woo-Hwi Yang (CHA Univ.) A Modified Formula for Calculating the Pure Maximal Glycolytic Rate (PvLa.max) Based on Metabolic Contributions During a 15-s Sprint Test	25. Ying-Ying Xiang (Gyeongsang Nat'l Univ. China) Effects of Lifelong Aerobic Exercise on Ferroptosis-related Gene Expressions in Kidney of Aged Mice
11:30-12:00	16. Hiroaki Eshima (Nagasaki International Univ., Japan) Lipid Hydroperoxides Regulate Skeletal Muscle Adaptation Induced by Physical Activity	Lunch (11:30-13:30) W6 (Level B1)
12:00-13:30	Lunch (12:00-13:30) W6 (Level B1)	
13:30-13:50	Opening Ceremony Moderator: Kyeongho Byun (Incheon Nat'l Univ.)	
	Opening Address Seung-Soo Baek (President of the Korean Society of Exercise Physiology) Welcome Address Tai-Joo Chung (President of Gyeongbuk Nat'l Univ.) Congratulatory Speech Kwan-Yong Choi (President of Korean Alliance for Health, Physical Education, Recreation, and Dance)	
13:50-14:30	*Plenary lecture: Exercise Science for a Better Tomorrow Chair: Seung-Soo Baek (Sangmyung Univ.) & Tae-Kyung Han (Gyeongbuk Nat'l Univ.)	
	*17. Joon-ho Kang (Dean of College of Education, Seoul Nat'l Univ.) Rethinking the human body in the age of AI	
14:30-15:30	Hybrid Poster session (Paper poster presentation: GYM (G120), E-poster presentation: Room 1410, 4th Floor College of Social Sciences W8 Building) Tae-Kyung Han (Gyeongbuk Nat'l Univ.), Jung-Hyun Kim (Kyung Hee Univ.), Seung-Kyum Kim (Seoul Nat'l Univ. of Science and Technology), Ji-Seok Kim (Gyeongsang Nat'l Univ.), Kwangseok Hong (Chung-Ang Univ.), Dong-Min Kwak (Hanyang Univ.), Kyeongho Byun (Incheon Nat'l Univ.), Jae-Seung Chang (Hannam Univ.), Eun-Sun Youn (Korea Nat'l Open Univ.), Hyun-Chul Jung (Kyung Hee Univ.), Hyo-Yeol Moon (Seoul Nat'l Univ.), Young-Min Park (Incheon Nat'l Univ.), Jinkyung Cho (Sungkyunkwan Univ.), Min-Chul Lee (CHA Univ.), Inhwan Lee (Changwon Nat'l Univ.) <i>* Ribbons will be affixed to distinguished posters as a result of a pre-event evaluation</i>	

15:30-15:35	Symposium 4. Exercise Physiology and Performance Enhancement Chair: Ji-Seok Kim (Gyeongsang Nat'l Univ.) & Kwangseok Hong (Chung-Ang Univ.)	Session 3 Circadian Rhythms: Implications for Sleep, Metabolism, and Cardiovascular Health Chair: Hyun-Chul Jung (Kyung Hee Univ.) & Jinkyung Cho (Sungkyunkwan Univ.)
15:35-16:00	18. Dong-Hyun Lee (Chung-Ang Univ.) 2024 KSEP 최우수박사논문상 Effects of 16-week Combined Exercise and Probiotics Interventions on Cardiovascular Function, Gut Microbiota and Cognitive Function in Older Adults with Severe Alzheimer's Disease	26. Insung Park (International Institute for Integrative Sleep Medicine, Univ. of Tsukuba, Japan) Metabolic Flexibility during Sleep
16:00-16:25	19. Sol-Yi Park (Wonju College of medicine, Yonsei Univ.) Exercise-induced PPAR β as a Key Regulator of Protein Quality Control in Skeletal Muscle	27. Jaehoon Seol (International Institute for Integrative Sleep Medicine, Univ. of Tsukuba, Japan) Optimizing Physical Activity for Better Sleep Among Older Adults: Insights from Observational and Interventional Studies
16:25-16:50	20. Jin-Soo Kim (Edith Cowan Univ., Australia) Myokines in Cancer Biology: Translational Approach in Exercise Oncology	28. Sookyung Choi (Yonsei Univ.) Involvement of Endocan in Vascular Dysfunction in Angiotensin II-Induced Hypertensive Mice
16:50-17:00	Awards & Prize draws	
17:00-18:00	제 36차 정기총회	

Travels & Farewell

Date & Time

Moderator: Kyeongho Byun (Incheon Nat'l Univ.)

08:00-11:00

Travels in Andong, Korea : Dosanseowon (<https://www.andong.go.kr/dosanseowoneng/main.do> and abroad)
Hahoe Village Area (<https://www.tourandong.com/eng/sub1/sub1.cshtml>) *UNESCO World Heritage
Bongjeongsa Area (<https://www.tourandong.com/eng/sub1/sub3.cshtml>) *UNESCO World Heritage
Downtown Area (<https://www.tourandong.com/eng/sub1/sub5.cshtml>)
Wolyeonggyo Bridge (<https://www.tourandong.com/eng/sub1/sub5.cshtml?keyword=&page=1&id=1178>)
Yeokdong Seowon (Yeokdong Private Confucian Academy, <https://www.grandculture.net/andong/toc/GC02400696>)



12th
(Sat.)

Closing

See you at 2026 KSEP Annual Meeting

(The Ocean Resort, Yeosu, <https://theoceanresort.co.kr/intro.do>)

11:00-12:00
(Gyeongju Nat'l Univ.)



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