

Sangwoo Lee, PhD, CSCS
Human Performance and Health Education
Western Michigan University
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EDUCATION

Ph.D. (2015) Texas Woman's University, Denton, TX
Major in Kinesiology (with Specialization in Biomechanics) and Minor in Mathematics

MS (2008) Seoul National University, Seoul, Korea
Major in Physical Education (with Specialization in Biomechanics)

BS (2002) Kyonggi University, Suwon, Korea
Major in Physical Education and Exercise Science

EMPLOYMENT

2026-present Professor, Western Michigan University

2020-2026 Associate Professor, Western Michigan University

2015-2020 Assistant Professor, Western Michigan University

2011-2015 Graduate Teaching Assistant, Texas Woman's University

2010-2011 Biomechanics Tutor, Texas Woman's University

2009 Research Assistant, Korea Institute of Sport Science, Seoul, Korea

2006-2008 Graduate Research Assistant, Seoul National University, Korea

2004-2006 Personal Trainer, Boramae Sports Center, Korea

2002-2004 Platoon Leader (Discharged as a First Lieutenant), 703rd Special Assault Commando Regiment (ROTC#40), Republic of Korea Army

TEACHING

2015-present Western Michigan University

- Foundations of Exercise Science (HPHE1520)
- Scientific Foundations of Strength & Conditioning (HPHE 1540)
- Kinesiology (HPHE 2950)
- Principles for Strength and Conditioning (HPHE3960)
- Biomechanics (HPHE 4950)
- Exercise Science Internship (HPHE 4980)
- Online Strength and Conditioning (HPHE 6320)
- Advanced Biomechanics (HPHE 6730)
- Lab Techniques in Biomechanics (HPHE 6750)
- First Aid and CPR (HPHE 1810)

2011-2015 Texas Woman's University

- Biomechanics of Human Body and Motion (KINS3593)
- Biomechanics and Laboratory (KINS3591)

CERTIFICATIONS

Certified Strength and Conditioning Specialist, National Strength and Conditioning Association (2024-present)

BOOKS

Kim, S., Choi, K., Lee, H., Kim, J., Lee, J., Jo, N., & **Lee, S.** (2012). *Aquatic Therapy (Translations)*. Seoul, Korea: Rainbowbook Publishing Co.

PUBLICATIONS

1. Kim, J., Levine, N., **Lee, S.**, & Kim, J. (In preparation). Examining changes in flexibility following 24-week of ballet classes in recreationally active female adults.
2. **Lee, S.**, Garner, C., Miller, M., & Liu, Y. (under review). Reliability of lower extremity biomechanics across legs during the back squat. *Journal of Exercise Science and Fitness*
3. Seimetz, T., Liu, Y., Miller, M., Kim, J., & **Lee, S.** (under review). Effects of eight weeks of movement sonification-based resistance training on bench press performance. *Journal of Strength and Conditioning Research*.
4. **Lee, S.**, Levine, N., Kim, J. (2026). An exploratory study in relationship between biomechanical bilateral asymmetry power output during the power clean. *International Journal of Sports Science and Coaching*.
5. Moon, J. H., Kim, T., **Lee, S.**, Sanchez, G., Seo, J., & Kim, S. (2026). Estimating ground reaction forces and moments during gait from multiple kinematic variables using a feedforward neural network. *Technology and Health Care*, 34, 300-312.
6. Levine, N. A., Baek, S., Tuttle, N., Alvis, H. B., Hung, C. J., Sokoloski, M. L., Kim, J., Hamner, M. S., **Lee, S.**, Rigby, B. R., & Kwon, Y. H. (2025). Biomechanical effects of fatigue on lower-body extremities during a maximum effort kettlebell swing protocol. *Sports Biomechanics*, 24, 1013-1030.
7. Garner, C., Nachttegall, A., Roth, E., Sterenberg Mahon, A., Kim, D., Michael, T., & **Lee, S.** (2024). Effects of movement sonification auditory feedback on repetitions and brain activity during the bench press. *Journal of Strength and Conditioning Research*, 38, 2022-2028.
8. Hanson, N., & **Lee, S.** (2024). Deception of heart rate is unable to improve functional threshold power in cyclists: Original Research. *Research Directs in Strength and Performance*, 4.
9. **Lee, S.**, Cone, S. M., & Kim, S. (2023). A biomechanical comparison of self-selected and experimentally controlled speeds and grip widths during the bench press exercise. *Sports Biomechanics*, 22, 953-965.
10. Hasan, R. A., Irshaid, H., Alhomaidat, F., **Lee, S.**, & Oh, J. S. (2022). Transportation mode detection by using smartphones and smartwatches with machine learning. *KSJE Journal of Civil Engineering*, 26, 3578-3589.
11. Levine, N., Hasan, M., Avalos, M., **Lee, S.**, Rigby, B. R., & Kwon, Y. H. (2022). Effects of kettlebell mass on lower-body joint kinetics during a kettlebell swing exercise. *Sports Biomechanics*, 21, 1032-1045.
12. Kim, S., Miller, M., Tallarico, A., Helder, S., Liu, Y., & **Lee, S.** (2021). Relationships between physical characteristics and biomechanics of lower extremity during the squat. *Journal of Exercise Science and Fitness*, 19, 269-277.
13. Cone, S., & **Lee, S.** (2021). Lower limb force asymmetries during landing and jumping exercises: a pilot study. *International Journal of Exercise Science*, 14, 544-551.
14. Kwon, Y. H., Han, K., Como, C., Kim, J., **Lee, S.**, Kim, J., & Kim, D. (2019). Effects of the golfer-ground interaction on clubhead speed in skilled male golfers. *Sports Biomechanics*, 18, 115-134.
15. **Lee, S.**, DeRosia, K., & Lamie, L. (2019). Determining the best combination of ground reaction force parameters for maximizing power during the power snatch. *International Journal of Performance Analysis in Sport*, 19, 313-322.

16. Oh, J. S., Hasan, R., Irshaid, H., Joo, S., **Lee, S.**, & Al-Fuqaha, A. (2018). Monitoring daily activities and linking physical activity levels attributed to transportation mobility choices. *Journal of Transportation and Health*, 9, S33-S34.
17. **Lee, S.**, Schultz, R., Timgren, D., Staelgraeve, M., Miller, G., & Liu, Y. (2018). An electromyographic and kinetic comparison of conventional and Romanian deadlifts. *Journal of Exercise Science and Fitness*, 16, 87-93.
18. **Lee, S.**, DeRosia, K., & Lamie, L. (2018). Evaluating the contribution of lower extremity kinetics to whole body power output during the power snatch. *Sports Biomechanics*, 17, 554-566.
19. Kim, J., Han, K., Kim, J., **Lee, S.**, Kwon, M., & Tuttle, N. (2018). The effect of skill level difference on trunk, pelvis, and supporting leg kinematics in Taekwondo roundhouse kicks. *Taekwondo Journal of Kukkiwon*, 9, 219-234.
20. Ko, M., Wu, L., **Lee, S.**, Wang, C., Lee, P., Tseng C., & Ho, C. (2017). Whole-body vibration training improves balance control and sit-to-stand performance among middle-aged and older adults: a pilot randomized controlled trial. *European Review of Aging and Physical Activity*, 14.
21. **Lee, S.**, DeRosia, K., Lamie, L., & Levine, N. (2017). Correlation profiles between lower extremity net joint torques and whole body power during the power clean. *International Journal of Sports Science*, 7, 66-72.
22. **Lee, S.**, Davis, R., Judge, L., Han, K., Kim, J., Kim, J., Kim, J., & Kwon, Y. H. (2015). Gender-based correlation profiles among the release factors and distance thrown in Paralympic seated shot put. *Adapted Physical Activity Quarterly*, 32, 318-330.
23. Singhal, K., Kim, J., Casebolt, J., **Lee, S.**, Han, K., & Kwon, Y. H. (2015). Gender difference in older adult's utilization of gravitational and ground reaction force in regulation of angular momentum during stair descent. *Human Movement Science*, 41, 230-239.
24. Singhal, K., Kim, J., **Lee, S.**, Casebolt, J., Han, K., & Kwon, Y. H. (2014). Kinetic comparison of older men and women during walk-to-stair descent transition. *Gait and Posture*, 40, 600-604.
25. Singhal, K., **Lee, S.**, Davis, R., Hwang, G., & Kwon, Y. H. (2013). Effects of two different starting floor hand positions on movement patterns of elite sitting volleyball players. *PALAESTRA*, 27, 22-25.
26. Kwon, Y. H., Han, K., Como, C., **Lee, S.**, & Singhal, K. (2013). Validity of the X-Factor computation methods and relationship between the X-Factor parameters and clubhead velocity in skilled golfers. *Sports Biomechanics*, 12, 231-246.
27. Kwon, Y. H., Como, C., Singhal, K., **Lee, S.**, & Han, K. (2012). Assessment of planarity of the golf swing based on the functional swing plane of the clubhead and motion planes of the body points in golf. *Sports Biomechanics*, 22, 127-148.
28. **Lee, S.**, Moon, Y. J., & Eun, S. D. (2011). The kinematic differences and distribution of joint loads according to squat type. *Korean Journal of Sport Science*, 22, 1674-1684.
29. Lim, B. O., Chung, C. S., Shin, I. S., Kim, S. B., Nam, K. J., **Lee, S.**, & Park, Y. H. (2008). The effects of sports injury prevention training program on the ground reaction force during the rebound in female high school basketball players. *Korean Journal of Sport Biomechanics*, 18, 31-38.
30. Lim, B. O., An, S. H., **Lee, S.**, & Do, I. Y. (2007). The effects of start and finish distance on the gait variables during walking. *Korean Journal of Sport Biomechanics*, 17, 17-27.

GRANTS

External

2019-2023 NIH R15, Co-PI, Better long cane design and biomechanics for blind cane users, \$432,166

2020-2021	Korea Institute of Sport Science, Co-I, Developing an automated detection program of barbell trajectory during weightlifting in preparation for the 2020 Tokyo Olympics, \$25,000
2020-2021	Korea Institute of Sport Science, Co-I, Developing a ground reaction force prediction model during gait using artificial neural network algorithm, \$30,000
2019-2020	Konyang University, Co-PI, Determination of relationship between physical characteristics and biomechanics of the lower extremity during the squat exercise, \$4,243
2017-2018	US DOT, Co-PI, Monitoring daily activities and linking physical activity levels attributed to transportation mobility choices and built environment, \$161,219

Internal

2021	Western Michigan University, PI, Health and education in China and Korea, \$2,000
2019-2020	Western Michigan University, PI, A biomechanical comparison of experimentally controlled and self-selected speeds and grip widths during the bench press exercise, \$6,000
2018-2020	Western Michigan University, Co-PI, Center for exercise and health research, \$10,000
2018-2019	Western Michigan University, PI, Graduate college one time research assistant funding competition, \$30,000
2016-2017	Western Michigan University, PI, Correlation profiles between lower extremity joint power and whole body power during the power clean, \$2,000

INVITED TALKS

1. **Lee, S.** (2023). Introduction to the application process for studying abroad in US. Yangsan Church, Yangsan, Korea.
2. **Lee, S.** (2023). How to exercise smartly. Korea National University of Education, Cheongju, Korea.
3. **Lee, S.** (2023). Biomechanical understanding and application of resistance exercise. Soonchunhyang University, Asan, Korea.
4. **Lee, S.** (2023). Introduction to US education system and career exploration for students majoring in exercise science in US. Seoul National University, Seoul, Korea.
5. **Lee, S.** (2023). How to promote health and exercise along the life cycle. Seoul Metropolitan Council, Seoul, Korea.
6. **Lee, S.** (2023). US exercise science classes and research. Soonchunhyang University, Asan, Korea.
7. **Lee, S.** (2021). How to exercise safely. Chicago Forum, Chicago, IL.
8. **Lee, S.** (2008). Biomechanics and weight training. 2008 Fall Conference of the Korean Society for Strength and Conditioning, Chung Cheung University, Cheongwon, Korea.

PODIUM PRESENTATIONS

1. **Lee, S.** & Liu, Y. (2023). Effects of movement sonification auditory feedback on repetitions and brain activity during the bench press. 20th SCSEPF, Hangzhou, China.
2. **Lee, S.**, Schoenwether, B., & Major, M. (2021). Mechanics of kettlebell swing exercise. 19th SCSEPF, Shandong, China.
3. **Lee, S.**, Schultz, J. R., Timgren, J. D., Staelgraeve, K. M., & Miller, M. G. (2018). An electromyographic and kinetic comparison of Romanian and conventional deadlifts. 17th SCSEPF, Taichung, Taiwan.

4. Oh, J. S., Hasan, R., Irshaid, H., Joo, S., **Lee, S.**, & Al-Fuqaha, A. (2018). Monitoring Daily Activities and Linking Physical Activity Levels Attributed to Transportation Mobility Choices. 4th International Conference on Transport and Health, Mackinac Island, MI.
5. Ohrnberger, E., Hanson, N., **Lee, S.**, & Berkey, D. (2018). The effect of different stretching techniques on jumping height. 2018 MIACSM, Gaylord, MI.
6. **Lee, S.**, Schultz, J. R., Timgren, J. D., Staelgraeve, K. M., & Miller, M. G. (2017). A biomechanical comparison of Romanian and conventional deadlifts. 2017 MWACSM, Grand Rapids, MI.
7. DeRosia, K., Lamie, L., & **Lee, S.** (2017). Correlation profiles between lower extremity net joint torques and whole body power during the power clean. 2017 MIACSM Conference, Gaylord, MI.
8. Kim, J., Suh, C. Y., **Lee, S.**, Han, K., Kim, J., & Kwon, Y. H. (2016). Comparisons of triple pirouette turn motion between successful and unsuccessful conditions in ballet. 2016 South Central American Society of Biomechanics Conference, Texas Woman's University, Denton, TX.
9. **Lee, S.**, Han, K., Kim, J., Kim, J., Kim, J., Davis, R., & Kwon, Y. H. (2014). Kinematic factors affecting the horizontal distance of the throw in the Paralympic seated shot put event. 2014 Incheon Asian Games International Sport Science Congress - In commemoration of the 1988 Seoul Olympic Games. Gyeongin National University of Education, Incheon, Korea.
10. **Lee, S.** (2013). Showcase of Student Research (Title: Sangwoo's Research Philosophy & Interests). 2013 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.
11. **Lee, S.**, Davis, R., Sellers, C., Judge, L., & Kwon, Y. H. (2013). Research and coaching application for USA seated shot put paralympians. 2013 Paralympic Leadership Conference, United States Olympic Committee, Colorado Springs, CO.
12. **Lee, S.**, Han, K., Kim, J., Kim, J., Kim, J., Davis, R., & Kwon, Y. H. (2013). Biomechanical analysis of the shot put event at 2012 U.S. paralympic trials in track and field: comparison of male and female athletes. 2013 South Central American Society of Biomechanics Conference, Texas Woman's University, Dallas, TX.
13. Han, K., Como, C., Singhal, K., **Lee, S.**, Kim, J., Kim, J., & Kwon, Y. H. (2012). Analysis of the trunk/shoulder complex motion during the golf drives using a 5-segment trunk/shoulder model. The 30th International Society of Biomechanics in Sports Conference, Melbourne, Australia.
14. **Lee, S.**, Davis, R., Singhal, K., Hwang, G., & Kwon, Y. H. (2012). Descriptive analysis of movement for national level sitting volleyball players. 2012 Paralympic Leadership Conference, United States Olympic Committee, Colorado Springs, CO.
15. **Lee, S.**, Hwang, G., Davis, R., & Kwon, Y. H. (2012). Effects of aquatic exercise on gait initiation mechanics in stroke patients. 2012 South Central American Society of Biomechanics Conference, University of Texas Southwestern Medical Center, Dallas, TX.
16. **Lee, S.**, Singhal, K., Davis, R., & Kwon, Y. H. (2012). Understanding movement patterns using different hand position during sitting volleyball. 2012 South Central American Society of Biomechanics Conference, University of Texas Southwestern Medical Center, Dallas, TX.
17. **Lee, S.**, & Kwon, Y. H. (2011). The kinematic difference and distribution of joint loads according to squat type. 2011 South Central American Society of Biomechanics Conference, Texas Scottish Rite Hospital for Children, Dallas, TX.
18. Kwon, Y. H., Singhal, K., & **Lee, S.** (2010). Golf swing motion analysis: challenges and solutions. The 28th International Society of Biomechanics in Sports Conference, Marquette, MI.

19. Kim, J., Kim, J., **Lee, S.**, Han, K., & Kwon, Y. H. (2010). The effect of target height on the trunk, pelvis, and thigh kinematics in the taekwondo roundhouse kick. 2010 South Central American Society of Biomechanics, Texas Woman's University, Denton, TX.
20. **Lee, S.** (2007). The kinematic differences and distribution of joint loads according to squat type. 2007 Fall Conference of The Korean Society of Sports Biomechanics, Pusan, Korea.

POSTER PRESENTATIONS

1. Kim, J., Levine, N., Kim, J., & **Lee, S.** (2025). Angular momentum differences of the Cecchetti *Fouetté* and Russian *Fouetté* movements found in ballet. 2025 South Central American Society of Biomechanics Conference, Texas Christian University, Fort Worth, TX.
2. **Lee, S.**, Schoenwether, B., Garner, C., Nachteggall, A., Kim, D., & Roth, E. (2023). Effects of movement sonification auditory feedback on repetitions and brain activity during the bench press. International Society of Biomechanics in Sports 2023, Milwaukee, WI.
3. Hasan, R., Irshaid, Hafez., **Lee, S.**, & Oh, J. (2020). Transportation mode detection by using smartphones and smartwatches with machine learning. 2020 TRB Annual Meeting, Washington, D. C.
4. Kishman, E., Michael, T. J., Hanson, N. J., & **Lee, S.** (2019). Effects of instability on core muscle activation in a side bridge. Annual Meeting of the Southeast American College of Sports Medicine.
5. **Lee, S.**, Griffin, J., Irwin, B., Miller, M., Hanson, N., & Michael, T. (2018). Relationship between lower limb length ratios and joint kinetics during landing. NSCA 2018 National Conference, Indianapolis, IN.
6. Moon, J., Kim, H., **Lee, S.**, Panday, S., & Lee, J. (2017). Wearing sports knee braces and sleeves during drop jumps does not reduce anterior crucial ligament force. 2017 MWACSM, Grand Rapids, MI.
7. Fox, R., **Lee, S.**, Weideman, C., Michael, T., Miller, M., & Hanson, N. (2017). Effect of listening to music during warmup on Wingate anaerobic test performance. NSCA 2017 National Conference, Las Vegas, NV.
8. Lothian, D., Miller, C., Michael, T., **Lee, S.**, Hanson, N., & Miller, M. (2017). Does a performance enhancing mouthguard have the ability to decrease blood lactate and increase power? NSCA 2017 National Conference, Las Vegas, NV.
9. **Lee, S.**, Hanson, N., Reid, C., Michael, T., Weideman, C., & Scheadler, C. (2017). Effect of pacing strategy during the final two minutes of a self-paced VO₂ max test (SPV). The 2017 ACSM Annual Meeting, Denver, CO.
10. **Lee, S.**, Kim, J., Han, K., Kim, D., Hasan, M., Kim, J., & Kwon, Y. H. (2015). Effects of foot placement on resultant joint moments of lower extremity joints during squat. International Society of Biomechanics in Sports 2015, Poitiers, France.
11. Friesz, N., **Lee, S.**, & Kwon, Y. H. (2015). Mechanical comparison between forward and step lunges. 2014 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.
12. Vining, M., Neally, A., Fuller, K., **Lee, S.**, & Kwon, Y. H. (2015). Biomechanical knee risk factors between horizontal and vertical landing conditions. 2014 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.
13. Beaman, R., Williams, K., Solter, S., Assariathu, S., **Lee, S.**, & Kwon, Y. H. (2014). Effects of high heels and wedges on gait mechanics. 2014 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.

14. Ashley, J., Reed, J., Smith, A., **Lee, S.**, & Kwon, Y. H. (2014). Comparison of knee mechanics during landing between sexes. 2014 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.
15. Choate, A., McKamie, C., Kell, L., Oke, M., Trinh, T., **Lee, S.**, & Kwon, Y. H. (2013). Comparison of pelvis alignment and resultant joint moment between the single leg landing and both legs landing. 2013 Student Creative Arts & Research Symposium, Texas Woman's University, Denton, TX.
16. **Lee, S.**, Singhal, K., & DiMarco, N. (2011). The comparison of balance during sit-to-stand movement among post-menopausal women with different levels of femoral neck bone mineral density. The National Center for Human Performance 2011 Annual Meeting, Texas Medical Center, Houston, TX.
17. **Lee, S.**, Singhal, K., & DiMarco, N. (2011). The comparison of balance during sit-to-stand movement among post-menopausal women with different levels of femoral neck bone mineral density. Academic Day in Celebration of the Fitness and Recreation Center Grand Opening, Texas Woman's University, Denton, TX.
18. Lim, B. O., Kim, S. B., Nam, K. J., & **Lee, S.** (2007). The effect of knee brace on the ACL loads in high school female basketball player. 21st International Society of Biomechanics Congress, Taipei, Taiwan.

ACADEMIC HONORS AND AWARDS

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| 2024 | Most Valuable Professor Award, Western Michigan University |
| 2023 | 2 nd place in Best Oral Presentation Award, 2023 The Society of Chinese Scholars on Exercise Physiology and Fitness Annual Meeting |
| 2020 | Excellence in Discovery Award for Largest New Award in College of Education and Human Development, Western Michigan University |
| 2019 | Most Valuable Professor Award, Western Michigan University |
| 2018 | The Best Oral Presentation Award, 2018 The Society of Chinese Scholars on Exercise Physiology and Fitness Annual Meeting |
| 2018 | Most Valuable Professor Award, Western Michigan University |
| 2015 | A National Doctoral Scholar Award, American Kinesiology Association |
| 2013 | Korean American Scholarship Award, The Korean American Scholarship Foundation |
| 2013 | Kinesiology (Biomechanics) Scholarship, Texas Woman's University |
| 2013 | Outstanding Kinesiology Doctoral Student, Texas Woman's University |
| 2013 | 2 nd place in Best Podium Presentation, 2013 South Central American Society of Biomechanics Conference, Texas Woman's University |
| 2013 | Graduate Council Award for Exceptional, Original Scholarship, Texas Woman's University |
| 2012 | Who's Who among Graduate Students in American Universities and Colleges in 2012 |
| 2012 | Chancellor's Student Research Scholar, Texas Woman's University |
| 2012 | Kinesiology (Biomechanics) Scholarship, Texas Woman's University |
| 2011 | Who's Who among Graduate Students in American Universities and Colleges in 2011 |
| 2011 | Korean American Scholarship Award, The Korean American Scholarship Foundation |
| 2011 | Kinesiology (Biomechanics) Scholarship, Texas Woman's University |
| 2006 | Lecture & Research Scholarship, Seoul National University |
| 2002 | A certificate of commendation from the president of students' central military school for ranked no.2 in the commission ceremony, Kyonggi University, Suwon, Korea |
| 2001 | Honor ROTC Student Award Scholarship, Students' Central Military School, Korea |

ATHLETIC CAREERS

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| 2012 | 9 th place, 2012 Musclemania Model Texas Championships, Fort Worth, TX |
| 2010 | 3 rd place in Novice Lightweight, 2010 NPC Texas State Championships, Houston, TX |

2007 4th place, Mr. Seoul National University Bodybuilding Competition, Seoul, Korea

PROFESSIONAL SERVICE

Ad hoc journal reviewer

Journal of Exercise Science and Fitness; Journal of Applied Biomechanics; Human Movement Science; Journal of Sports Science and Medicine; Sports Biomechanics; The Orthopaedic Journal of Sports Medicine; Advances in Cognitive Psychology; International Journal of Sports Science and Coaching

Professional membership

Korean American Scientists and Engineers Association
International Society of Biomechanics in Sports

Thesis, independent study, & dissertation advisor

High school:

David Li (2024)

Undergraduate:

Elisabeth Ohrnberger (2018), Riley Hobson (2023)

Master's:

Talyor Lee (2016), Jacob Schultz, Joey Timgren, and Katelyn Staelgraeve (2017), Julie Griffin and Brittany Irwin (2018), Brittany Barko (2018), Masina Rose (2018), Sheridan Brown (2018), Erin Kishman (2018), Kyle DeRosia (2019), Corey Klitzke (2019), Sheridan Brown (2020), Molly Grettenberger (2020), Simon Cone (2020), Jeni Gustafson (2020), Aubrey Nachtegall (2023), Kaylee Karpel (2026), Joe Kline (2026)

Doctoral:

Mohammad Hasan (2019), Nicholas Levine (2022), Qihai Liu (2022), Harmony Luce (2023)
Ruvini Jayamaha Hitihamilage (2024), Jaeseong Hwang (2024), Geraldine Percival (2026)

Professional community

Korean American Association of Southwest Michigan (2017-2024) - Vice president
Korean-American Scientists and Engineers Associations Michigan Chapter (2024-present) - President

University

Graduate Student Travel Grant Faculty Review (2025-present) - Panel
Korean Club (registered student organization at WMU, 2018-present) - Advisor
2017 Medallion Scholarship Competition (2016) - Group problem solving observer
Fall Open House for student recruitment (2017) - Department representative
The Brain Research and Interdisciplinary Neurosciences (BRAIN) Lab (2017-2024) - Affiliate member
2018 Science Olympiad (2018) – Supervisor for Anatomy and Physiology part
Multicultural Meet & Greet (2018) - Panel
Graduate and Professional School Fair (2018) - Department representative

College

Inclusion and Diversity Committee (2022-2025) - Member

Department

Renovation organizer of the biomechanics lab

Internship coordinator

Exercise Science undergraduate and graduate program coordinator