

Sanghee Moon

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[Homepage](#) | [Research Gate](#) | [Google Scholar](#) | [Twitter](#)

POST-EDUCATION

POSTDOCTORAL FELLOW | [University of Kansas Medical Center](#)
Aug 2019–Present | Kansas City, KS

EDUCATION

PH.D. IN REHABILITATION SCIENCE | [University of Kansas Medical Center](#)
Aug 2013–Jul 2019 | Kansas City, KS

B.S. IN BIOLOGY | [Minnesota State University](#)
Aug 2010–May 2013 | Mankato, MN
Magna Cum Laude
US-Korea Dual Degree

B.S. IN PHYSICAL THERAPY | [Daegu Catholic University](#)
Mar 2006–May 2013 | South Korea
US-Korea Dual Degree

RESEARCH EXPERIENCE

UNIVERSITY OF KANSAS MEDICAL CENTER

POSTDOCTORAL RESEARCH FELLOW (PI: HANNES DEVOS) | [Laboratory for Advanced Rehabilitation Research in Simulation](#)
Aug 2019–Present

GRADUATE RESEARCH ASSISTANT
Aug 2016–July 2019

- Developing a balance assessment system using virtual reality technology
- Artificial neural network in rehabilitation research
- Classification of Parkinsonian syndromes using artificial neural network
- Population-based assessment of fitness to drive in medical conditions
- Pupillary response to cognitive workload and distraction during driving in breast cancer survivors
- Pupillary response to cognitive workload in Parkinson's disease

GRADUATE RESEARCH ASSISTANT (PI: WEN LIU) | [Neuromuscular Research Laboratory](#)
Aug 2013–July 2019

- Effects of a mind-body exercise on non-motor symptoms and inflammatory status in patient with Parkinson's disease (Ph.D. dissertation – NIH-funded (R21))
- Effect of a high-intensity exercise on immune response in females with fibromyalgia
- Effects of an aerobic exercise on cardiovascular and bone health in non-ambulatory stroke survivors
- Benefits of an aerobic exercise in people with spinal cord injury
- Benefits of a mild exercise on gait, cognition, and sleep in Parkinson's disease
- Altered immune response to exercise in patient with fibromyalgia after a mind-body exercise

STOWER'S INSTITUTE FOR MEDICAL RESEARCH

GRADUATE RESEARCHER (PI: LINGHEN LI) | [Linghen Li Laboratory](#)
Apr–Aug 2014

- Hematopoietic stem cell niche and leukemia

MINNESOTA STATE UNIVERSITY

UNDERGRADUATE RESEARCHER (PI: NAMYONG LEE) |Mathematics and Statistics Laboratory

Aug 2012–May 2013

- Mathematical models for fatigue muscle fiber mechanism

UNDERGRADUATE RESEARCHER (PI: DOROTHY WIGLEY) |Microbiology Laboratory

Aug 2012–May 2013

- Effects of amputation on *Verminephrobacter* in *Eisenia fetida*

ACADEMIC PUBLICATIONS

PUBLISHED ARTICLES (PEER-REVIEWED)

1. [S Moon](#), CVM Sarmiento, IV Smirnova, Y Colgrove, K Lyons, SM Lai, W Liu. (2019) "Effects of Qigong exercise on non-motor symptoms in Parkinson's disease: A protocol for a randomized controlled trial". *Medicines*. 6(1), 13.
[doi: 10.3390/medicines6010013](#)
2. JS Myers, M Kahya, M Mitchell, J He, J Dai, [S Moon](#), K Hamilton, M Valla, A O'Dea, J Klemp, M Kurylo, AE Akinwuntan, H Devos. (2018) "Pupillary response: cognitive effort for breast cancer survivors". *Supportive Care in Cancer*. 27(3), 1121-1128
[doi: 10.1007/s00520-018-4401-0](#)
3. M Kahya, [S Moon](#), K Lyons, R Pahwa, AE Akinwuntan, H Devos. (2018) "Pupillary response to cognitive demand in Parkinson's disease: A pilot study". *Frontiers in Aging Neuroscience*. 10, 90.
[doi: 10.3389/fnagi.2018.00090](#)
4. [S Moon](#), M Ranchet, AE Akinwuntan, M Tant, DB Carr, MA Raji, H Devos. (2018) "The impact of advanced age on driving safety in adults with medical conditions". *Gerontology*. 64, 291-299.
[doi: 10.1159/000486511](#)
5. [S Moon](#), M Ranchet, M Tant, AE Akinwuntan, H Devos. (2017) "Comparison of unsafe driving across medical conditions". *Mayo Clinic Proceedings*. 92(9), 1341-1350.
[doi: 10.1016/j.mayocp.2017.06.003](#) / [YouTube \(Video Abstract\)](#) / [Editorial Comments](#)
6. [S Moon](#), M Schmidt, IV Smirnova, Y Colgrove, W Liu. (2017) "Qigong may alter TNF-alpha in serum and improve sleep in patients with Parkinson's disease". *Medicines*. 4(2), 23.
[doi: 10.3390/medicines4020023](#)
7. AS Alqahtani, R Alajam, [S Moon](#), CVM Sarmiento, SM Eickmeyer, S Jernigan, IV Smirnova, W Liu. (2019) "Reduction of risk for cardiovascular disease in non-ambulatory stroke survivors using an assisted-walking aerobic exercise: A pilot study". *International Journal of Cerebrovascular Disease and Stroke* (Accepted; In Press)
8. JS Myers, N Alissa, M Mitchell, J Dai, J He, [S Moon](#), A O'Dea, J Klemp, M Kurylo, AE Akinwuntan, H Devos. (2019) "Pupillary response, driving simulation, and increased cognitive load: Assessment of cognitive effort for breast cancer survivors". *Oncology Nursing Forum* (Accepted; In Press)

SUBMITTED MANUSCRIPTS

1. M Kahya, [S Moon](#), M Ranchet, R Vukas, KE Lyons, R Pahwa, AE Akinwuntan, H Devos. "Neurophysiology of cognitive-motor interference in aging and age-related neurodegenerative conditions". *Experimental Neurology* (In resubmission; Minor Revision)
2. [S Moon](#), P Ahmadnezhad, HJ Song, J Thompson, K Kipp, AE Akinwuntan, H Devos. "Artificial neural networks in neurorehabilitation: A scoping review". *Archives of Physical Medicine and Rehabilitation* (In resubmission; Major Revision)
3. [S Moon](#), CVM Sarmiento, Y Colgrove, W Liu. "Complementary and integrative medicine for people with Parkinson's disease". *Archives of Physical Medicine and Rehabilitation* (In resubmission; Major Revision)
4. [S Moon](#), M Kahya, K Lyons, R Pahwa, AE Akinwuntan, H Devos. "Cognitive workload during verbal abstract reasoning in Parkinson's disease: A pilot study". *BMJ Innovations* (Submitted; Under Review)
5. CVM Sarmiento, [S Moon](#), T Pfeifer, W Liu. "The altered immune response to exercise in patients with fibromyalgia before and after a mind-body intervention: A study protocol for a double-blinded randomized clinical trial". *BMC Complementary and Alternative Medicine* (Submitted; Under Review)
6. AS Alqahtani, R Alajam, [S Moon](#), CVM Sarmiento, IV Smirnova, M Pang, M Phadnis, W Liu. "Changes in bone biomarkers after an 8-week walking exercise in non-ambulatory stroke survivors - A pilot study". *Osteoporosis International*. (Submitted; Under Review)

7. CVM Sarmiento, [S Moon](#), IV Smirnova, SM Lai, Y Colgrove, M Maz, W Liu. "Immune response to a bout of high-intensity exercise in females with fibromyalgia: A pilot study". (In submission)
8. [S Moon](#), CVM Sarmiento, M Steinbacher, IV Smirnova, K Lyons, Y Colgrove, SM Lai, W Liu. "Can Qigong exercise improve non-motor symptoms in people with Parkinson's disease?". (In submission)
9. [S Moon](#), CVM Sarmiento, IV Smirnova, K Lyons, Y Colgrove, SM Lai, W Liu. "Effects of Qigong exercise on inflammatory status in people with Parkinson's disease". (In submission)
10. CVM Sarmiento, [S Moon](#), W Liu. "Low compliance to exercise in patients with fibromyalgia: What to blame, psychological or physiological factors?". (In submission)
11. CVM Sarmiento, [S Moon](#), IV Smirnova, SM Lai, M Maz, W Liu. "The impact of Qigong on immune responses due to a bout of high-intensity exercise". (In submission)

MANUSCRIPTS IN PREPARATION

1. [S Moon](#), HJ Song, K Kipp, VD Sharma, K Lyons, AE Akinwuntan, H Devos. "Classification of Parkinsonism using artificial neural networks: A retrospective database study". (In preparation)
2. VD Sharma, [S Moon](#), H Devos, K Lyons, R Pahwa. "Quantitative gait assessment of patients with essential tremor using wireless sensors". (In preparation)

RESEARCH GRANTS

1. J Colistra, H Park, H Devos, K Lyons, R Pahwa, [S Moon \(Postdoc\)](#). (2019) "Predictive resident gait monitoring using a smart-floor building system", Michael J. Fox Foundation, \$214,925 (LOI Accepted; Full Proposal In Preparation).
2. [S Moon \(Postdoc\)](#), R Nudo, H Devos (2019) "Eye-catching brain-behavior interactions in virtual reality dual tasking for individuals with Parkinson's disease", TL1 Postdoctoral Clinical and Translational Research Training Program, University of Kansas Frontiers, (Under Review).
3. J Colistra, J Buzhardt, H Devos, D Irvin, [S Moon \(Postdoc\)](#). (2019) "Smart and Connected Communities Planning Grant: The Impact of Data-Driven Architecture on Population Health Initiatives", National Science Foundation, \$132,912 (Under Review).
4. [S Moon \(PI\)](#), H Devos. (2018) "Artificial Brain Mapping", The NSF 2026 Idea Machine, National Science Foundation, \$26,000 (Not funded).
5. W Liu, IV Smirnova, SM Lai, K Lyons, J Qiu, [S Moon \(RA\)](#), CVM Sarmiento, V Gangeddula. (2018) "Assessment of mind-body intervention in patients with Parkinson's disease", R21HD094003, National Institutes of Health, \$191,250 (Funded).
6. H Devos, D Carr, R Mukaila, AE Akinwuntan, [S Moon \(RA\)](#). (2017) "Driving safety in the oldest-old", Evidence for Action: Investigator-Initiated Research to Build a Culture of Health, Robert Wood Johnson Foundation, \$119,159 (Not funded).
7. H Devos, [S Moon \(Co-I\)](#), R Mukaila, AE Akinwuntan. (2017) "Driving safety in the oldest-old", Center for Large Data Research and Data Sharing in Rehabilitation, \$25,000 (Not funded).

ACADEMIC PRESENTATIONS

INVITED TALK

1. [S Moon](#) (2019) "Benefits of Qigong on non-motor symptoms and inflammatory status in people with Parkinson's disease". International Medical Tai Chi and Qigong Association Conference at Massachusetts General Hospital and Harvard Medical School, Boston, MA. (Scheduled; Oct 26th, 2019)

SYMPOSIUM TALK

1. [S Moon](#), J Thompson, K Kipp, AE Akinwuntan, H Devos. (2019) "Artificial neural networks: Shaping the future of neurorehabilitation research". American Congress of Rehabilitation Medicine, Chicago, IL. (Scheduled; Nov 5-8th, 2019)
[url: ACRM.org/551435](https://www.acrm.org/551435)

PLATFORM PRESENTATION

1. CVM Sarmiento, [S Moon](#), IV Smirnova, Y Colgrove, SM Lai, M Maz, W Liu. (2020) "Inflammatory response to a bout of high-intensity exercise in females with fibromyalgia. American Physical Therapy Association Combined Sections Meeting, Denver, CO. (Abstract accepted)
2. [S Moon](#), P Ahmadnezhad, HJ Song, J Thompson, K Kipp, AE Akinwuntan, H Devos. (2019) "Artificial neural networks: A powerful tool for neurorehabilitation research". Student Research Forum at University of Kansas Medical Center, Kansas City, KS.
3. [S Moon](#), M Ranchet, M Tant, A Akinwuntan, D Carr, M Raji, H Devos. (2018) "Driving safety in the oldest-old". Student Research Forum at University of Kansas Medical Center, Kansas City, KS.
4. [S Moon](#), M Schmidt, IV Smirnova, Y Colgrove, W Liu. (2017) "A mind-body exercise for Parkinson's disease: A pilot study". Kansas Physical Therapy Association Conference, Wichita, KS.
5. [S Moon](#), M Ranchet, M Tant, A Akinwuntan, H Devos. (2017) "Impact of medical conditions on driving safety". Student Research Forum at University of Kansas Medical Center, Kansas City, KS.
6. [S Moon](#), M Schmidt, IV Smirnova, Y Colgrove, W Liu. (2017) "A mind-body exercise for Parkinson's disease: A pilot study". American Physical Therapy Association Combined Sections Meeting, San Antonio, TX.
7. [S Moon](#), M Schmidt, W Liu. (2014) "Benefits of a mild exercise on gait, cognition, and sleep in Parkinson's disease". Student Research Forum at University of Kansas Medical Center, Kansas City, KS.

POSTER PRESENTATION

1. [S Moon](#), CVM Sarmiento, M Steinbacher, SM Lai, Y Colgrove, K Lyons, IV Smirnova, W Liu. (2020) "Qigong to improve sleep quality and inflammation in people with Parkinson's disease: Potentials and challenges". American Physical Therapy Association Combined Sections Meeting, Denver, CO. (Abstract accepted)
2. [S Moon](#), P Ahmadnezhad, HJ Song, J Thompson, K Kipp, A Akinwuntan, H Devos. (2019) "Scoping review on artificial neural networks in neurorehabilitation research: Current status and future avenues". American American Congress of Rehabilitation Medicine. Chicago, IL.
[doi: 10.1016/j.apmr.2019.08.353](https://doi.org/10.1016/j.apmr.2019.08.353)
3. V Sharma, [S Moon](#), H Devos, K Lyons, R Pahwa (2019) "Quantitative gait assessment of patients with essential tremor using wireless sensors". International Congress of Parkinson's Disease and Movement Disorders, Nice, France.
[doi: 10.1002/mds.27795](https://doi.org/10.1002/mds.27795)
4. C Sarmiento, T Pfeifer, [S Moon](#), M Steinbacher, M Maz, SM Lai, Y Colgrove, IV Smirnova, W Liu. (2019) "The efficacy of Qigong on the main symptoms of fibromyalgia. A randomized clinical trial". American College of Sport Medicine, Orlando, FL.
[url: acsmannualmeeting.org/ACSM19Abstract](https://acsmannualmeeting.org/ACSM19Abstract)
5. [S Moon](#), M Kahya, KE Lyons, R Pahwa, AE Akinwuntan, H Devos. (2019) "Can we detect early cognitive declines in people with Parkinson's disease using an eye-tracker?". Kansas Physical Therapy Association Conference, Wichita, KS.
6. [S Moon](#), M Kahya, KE Lyons, R Pahwa, AE Akinwuntan, H Devos. (2019) "The eyes as a window to understanding abstract reasoning in Parkinson's disease". Annual Rare KC Meeting. Kansas City, MO.
7. [S Moon](#), M Schmidt, IV Smirnova, Y Colgrove, W Liu. (2018) "Can a mindfulness exercise make your sleep better and change your inflammatory status in Parkinson's disease?". American Congress of Rehabilitation Medicine. Dallas, TX.
[doi: 10.1016/j.apmr.2018.09.014](https://doi.org/10.1016/j.apmr.2018.09.014)
8. [S Moon](#), M Kahya, KE Lyons, R Pahwa, AE Akinwuntan, H Devos. (2018) "The eyes as a window to understanding abstract reasoning in Parkinson's disease". American Congress of Rehabilitation Medicine. Dallas, TX.
[doi: 10.1016/j.apmr.2018.09.082](https://doi.org/10.1016/j.apmr.2018.09.082)
9. [S Moon](#), M Ranchet, M Tant, A Akinwuntan, D Carr, M Raji, H Devos. (2018) "Risks of Unsafe Driving in the Oldest-old With Medical Conditions: A Comparative Analysis". American Congress of Rehabilitation Medicine. Dallas, TX.
[doi: 10.1016/j.apmr.2018.07.266](https://doi.org/10.1016/j.apmr.2018.07.266)
10. [S Moon](#), M Schmidt, IV Smirnova, Y Colgrove, W Liu. (2018) A mindfulness exercise may improve sleep quality and change inflammatory biomarker level in Parkinson's disease: A pilot study". 2nd Pan American Parkinson's Disease and Movement Disorder Congress, Miami, FL.
[doi: 10.1002/mds.27434](https://doi.org/10.1002/mds.27434)

11. M Kahya, [S Moon](#), K Lyons, R Pahwa, AE Akinwuntan, H Devos. (2018) "Increased mental effort during abstract thinking and verbal reasoning in Parkinson's disease: A pilot study". 2nd Pan American Parkinson's Disease and Movement Disorder congress, Miami, FL.
[doi: 10.1002/mds.27434](#)
12. [S Moon](#), M Ranchet, M Tant, A Akinwuntan, H Devos. (2017) "Comparative analysis of unsafe driving risk in medical conditions". American Congress of Rehabilitation Medicine, Atlanta, GA.
[doi: 10.1016/j.apmr.2017.08.141](#)
13. [S Moon](#), M Schmidt, W Liu. (2016) "A meditative exercise for Parkinson's disease". Student Research Forum at University of Kansas Medical Center, Kansas City, KS.
14. [S Moon](#), S Son, T Hong, N Lee. (2013) "Mathematical models for fatigue muscle fiber mechanism". National Conference of Undergraduate Research at University of Wisconsin, La Crosse, WI.
15. [S Moon](#), S Son, T Hong, N Lee. (2013) "Mathematical models for fatigue muscle fiber mechanism". Undergraduate Research Symposium at Minnesota State University, Mankato, MN.

TEACHING EXPERIENCE

GRADUATE TEACHING ASSISTANT

PTRS 703 - Applied Anatomy	Summer 2019
PTRS 750 - Research in Evidence-Based Physical Therapy Practice	Spring 2019
PTRS 711 - Applied Kinesiology and Biomechanics	Fall 2018
PTRS 703 - Applied Anatomy	Summer 2018
PTRS 750 - Research in Evidence-Based Physical Therapy Practice	Spring 2018
PTRS 711 - Applied Kinesiology and Biomechanics	Fall 2017
PTRS 704 - Physical Therapy Intervention I	Fall 2017
PTRS 817 - Ethics in Health Care	Summer 2017
PTRS 703 - Applied Anatomy	Summer 2017
PTRS 853 - Neurologic Physical Therapy and Rehabilitation II	Spring 2017
PTRS 703 - Applied Anatomy	Summer 2016
PTRS 817 - Ethics in Health Care	Summer 2016
PTRS 785 - Orthopedic Physical Therapy	Spring 2016
REHS 962 - Advanced Studies in Rehabilitation Science	Fall 2015
PTRS 855 - Pharmacology for Physical Therapists	Fall 2015
PTRS 855 - Pharmacology for Physical Therapists	Summer 2015
PTRS 817 - Ethics in Health Care	Summer 2015
PTRS 846 - Musculoskeletal Physical Therapy III	Spring 2015
PTRS 855 - Pharmacology for Physical Therapists	Fall 2014
PTRS 845 - Musculoskeletal Physical Therapy II	Fall 2014
PTRS 828 - Medical Imaging for Physical Therapists	Summer 2014
PTRS 745 - Musculoskeletal Physical Therapy I	Spring 2014
PTRS 711 - Applied Kinesiology and Biomechanics	Fall 2013

INVITED LECTURER

Pathophysiology of Parkinson's disease University of Saint Mary, Leavenworth, KS	Sep 2018
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AWARDS & ACHIEVEMENTS

- Scientific Inquiry Award for the Best Overall Poster Presentation
Kansas Physical Therapy Association Research Committee
Apr 2019
- Best PTRS Presentation Award (\$200)
Department of Physical Therapy and Rehabilitation Science, University of Kansas Medical Center
Apr 2019
- Student Governing Council Travel Award (\$200)
Student Governing Council, University of Kansas Medical Center
Oct 2018
- Ringle Health Professions Scholarship (\$4,000)
School of Health Professions, University of Kansas Medical Center
Aug 2018

• One University Open Access Fund at KU (\$ 1,250) KU Libraries, University of Kansas & University of Kansas Medical Center	May 2018
• Graduate Student Professional Development Award (\$250) Office of Graduate Studies, University of Kansas Medical Center	Apr 2018
• Student Governing Council Travel Award (\$300) Student Governing Council, University of Kansas Medical Center	Feb 2018
• Ringle Health Professions Scholarship (\$5,200) School of Health Professions, University of Kansas Medical Center	Aug 2017
• School of Health Professions Dean's Diversity Scholarship (\$500) School of Health Professions, University of Kansas Medical Center	Jul 2017
• Scientific Inquiry Award for the Best Presentation Kansas Physical Therapy Association Research Committee	Apr 2017
• Best PTRS Presentation Award (\$200) Department of Physical Therapy and Rehabilitation Science, University of Kansas Medical Center	Apr 2017
• Graduate Student Professional Development Award (\$500) Office of Graduate Studies, University of Kansas Medical Center	Oct 2016
• Student Governing Council Travel Award (\$400) Student Governing Council, University of Kansas Medical Center	Oct 2016
• Bittel Family Scholarship (\$300) Department of Physical Therapy and Rehabilitation Science, University of Kansas Medical Center	Oct 2016
• Ringle Health Professions Scholarship (\$4,400) School of Health Professions, University of Kansas Medical Center	Aug 2016
• Outstanding Graduate Teaching Assistant Award Department of Physical Therapy and Rehabilitation Science, University of Kansas Medical Center	Oct 2015
• Ringle Health Professions Scholarship (\$7,000) School of Health Professions, University of Kansas Medical Center	Aug 2015
• Undergraduate Research Grant (\$100) Undergraduate Research Council, Minnesota State University	Oct 2012
• Certificate of Appreciation Kearney International Center, Minnesota State University	Jan 2012, Aug 2012
• Who's Who Among Students Who's Who Among Students in American Universities & Colleges	May 2012
• Certificate of Recognition Department of Ethnic Studies, Minnesota State University	Oct 2010
• Dean's List College of Science, Engineering & Technology, Minnesota State University	2010, 2011, 2012, 2013
• US-Korea Dual Degree Scholarship (\$100,000) Daegu Catholic University, South Korea	2006–2007, 2010–2013

ACADEMIC MEMBERSHIP

• American Congress of Rehabilitation Medicine (ACRM)	Since 2018
• American Association for the Advancement of Science (AAAS)	Since 2017
• International Parkinson and Movement Disorder Society	Since 2017

WORK EXPERIENCE

• Republic of Korea Armed Forces Hospital, Gangneung, South Korea Sergeant Army Medic at Department of Internal Medicine and Surgery	Feb 2008–Jan 2010
• Namsan Rehabilitation Hospital, Daegu, South Korea Internship at Department of Musculoskeletal Physical Therapy	Jun–Aug 2007

CERTIFICATION

- Neural Networks and Deep Learning
deeplearning.ai (Credential ID: 3NRXPPU5SLKA) Aug 2019

LEADERSHIP & VOLUNTEERING

- University of Kansas Medical Center, Kansas City, KS Aug 2018–July 2019
Vice president of Mindfulness in Medicine - Student Interest Group
- University of Kansas Medical Center, Kansas City, KS Aug 2013–July 2019
Social network manager of the PhD program in Rehabilitation Science
- Greater Kansas City Science & Engineering Fair, Kansas City, MO Apr 2019
Judge at the event held by Science City Kansas City
- Student Research Forum, Kansas City, KS Apr 2019
Volunteer at the event held by University of Kansas Medical Center
- Helen Gold 5K/10K 2017, Overland Park, KS Sep 2018
Volunteer at the event held by KU Parkinson's Disease Center
- Head for the Cure Run/Walk 2018, Overland Park, KS Aug 2018
Volunteer at the event held by Head for the Cure Foundation
- Student Research Forum, Kansas City, KS Apr 2018
Volunteer at the event held by University of Kansas Medical Center
- Greater Kansas City Race for the Cure, Overland Park, KS Oct 2017
Volunteer at the event held by Susan G. Komen Greater Kansas City
- Walk to End Lupus Now, Shawnee, KS Sep 2017
Volunteer at the event held by Lupus Foundation of America
- Helen Gold 5K/10K 2017, Overland Park, KS Sep 2017
Volunteer at the event held by KU Parkinson's Disease Center
- Stroke Walk 2017, Kansas City, MO Sep 2017
Volunteer at the event held by American Stroke Foundation
- Student Research Forum, Kansas City, KS Apr 2017
Volunteer at the event held by University of Kansas Medical Center
- Stroke Walk 2016, Kansas City, MO Sep 2016
Volunteer at the event held by American Stroke Foundation
- Minnesota State University, Mankato, MN Aug 2011–Aug 2012
Vice president of Korean Student Association