

Kyungmi Lee, PhD, RN

Assistant Professor

University of Iowa College of Nursing

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EDUCATION

2023 - 2026	Postdoctoral Fellow	Case Western Reserve University, Cleveland, OH
2022	Doctor of Philosophy in Nursing	University of Alabama at Birmingham, Birmingham, AL
2009	Master of Science in Nursing	Hanyang University, Seoul, Korea
2003	Bachelor of Science in Nursing	Hanyang University, Seoul, Korea

LICENSURE

2017 - present	Registered Nurse, Texas (Multistate), USA
2011	Registered Nurse, New York, USA
2003 - present	Registered Nurse, Ministry of Health and Welfare, Korea

CERTIFICATES

2006 - present	National Technical Qualification Certificate <i>of Information Processing Engineer</i> , Human Resources Development, Korea
2003 - present	School Health Teacher Certificate, Korea

PROFESSIONAL EXPERIENCE

Academic Appointments

2026 - present	Assistant Professor, University of Iowa College of Nursing, Iowa City, IA.
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Research Appointments

2023 - 2026	Research Associate, Frances Payne Bolton School of Nursing, CWRU, OH
2020 - 2022	Graduate Research Assistant, School of Nursing, UAB, AL
2019 - 2020	Research Assistant, School of Nursing, UTHSC, TX

Professional Appointments

2009 - 2022	Associate Manager, Headquarters, National Health Insurance Service, Seoul, Korea
2008 - 2009	Long-term Care Manager, Gangnam Branch, National Health Insurance Service, Seoul, Korea
2007	Assistant Researcher, Korea Centers for Disease Control and Prevention, Seoul, Korea

Clinical Appointments

2007 - 2008	Clinical Research Coordinator, Clinical Trial Center, Samsung Medical Center, Seoul, Korea
2003 - 2007	Registered Nurse, Thoracic Surgery ICU, Samsung Medical Center, Seoul, Korea

HONORS AND AWARDS

2023 - 2025	HS Travel Stipend Award, Gerontological Society of America
2024	Distinguished Abstract Award, the Midwest Nursing Research Society
2022	ESPO Carol Schutz Travel Award, Gerontological Society of America
2021	Behavioral and Social Sciences Student Travel Award, Gerontological Society of America
2020	Carol A. Schutz Travel Award, Gerontological Society of America
2020	Jarman Lowder Endowed Scholarship, School of Nursing, UAB
2020	Graduate Teaching Fellowship, School of Nursing, UAB
2019	Sigma Research Small Grant, Sigma Theta Tau International Nursing Honor Society
2018	NextGen Nurse Scientist Research Grant, School of Nursing at the UTHSC at San Antonio
2017	Methodist Healthcare Ministries Scholarship, School of Nursing at the UTHSC at San Antonio

SCHOLARSHIP

Publications

Peer Reviewed Papers [* = data-based; bold = my authorship; underlined = mentored student/trainee; ~ = senior author]

1. *Allen-Watts. K., Azuero, A. **Lee, K.**, Harrell, E.R., Currie, E., Bechthold, A.C, Engler, S., Curry, K., Puga, F., Bibriescas, N., Kamal, A., Ritchie, C. S., Demir, G., Wright, A. A., Bakitas, M. A., Goodin, B., & Odom, J. N. (2026). Exploring the predictive capacity of smartphone-based digital phenotyping to monitor pain and physical quality of life in advanced cancer patients, family caregivers, and dyads. *Front. Pain Res.* 7:1767157. <https://doi.org/10.3389/fpain.2026.1767157>
2. *Odom, J. N., **Lee, K.**, Harrell, E. R., Watts, K. A., Bechthold, A. C., Engler, S., Puga, F., Bibriescas, N., Kamal, A. H., Ritchie, C. S., Demir, G., Wright, A. A., Bakitas, M. A., & Azuero, A. (2025). Associations between smartphone GPS data and changes in psychological health and burden outcomes among family caregivers and patients with advanced cancer: An exploratory longitudinal cohort study. *BMC Cancer*, 25(1), 614. <https://doi.org/10.1186/s12885-025-14009-y>
3. ***Lee, K.**, Azuero, A., Engler, S., Kumar, S., Puga, F., Wright, A. A., Kamal, A., Ritchie, C. S., Demir, G., Bakitas, M. A., & Odom, J. N. (2025). Exploring the relationship between smartphone GPS patterns and quality of life in patients with advanced cancer and their family caregivers: Longitudinal study. *JMIR Formative Research*, 9, e59161. <https://doi.org/10.2196/59161>
4. *Odom, J. N., **Lee, K.**, Currie, E., Watts, A. K., Harrell, E., Bechthold, A., Engler, S., Curry, K., Kamal, A., Ritchie, C. S., Demir, G., Wright, A. A., Bakitas, M. A., & Azuero, A. (2025). Feasibility and acceptability of collecting passive smartphone data for potential use in digital phenotyping among family caregivers and patients with advanced cancer. *JCO Clinical Cancer Informatics*, 9, e2400201. <https://doi.org/10.1200/CCI-24-00201>
5. Meyer, K., **Lee, K.**, Thorngthip, S., Burant, P., Lippe, M., Neidre, D., White, C., Norman, R., Choi, B. Y., Glover, C. M., Bell, J., & Hepburn, K. (2024). A randomised controlled trial of the Learning Skills Together (LST) intervention to improve dementia family caregivers' self-efficacy with complex care. *Trials*, 25(1), 369. <https://doi.org/10.1186/s13063-024-08204-8>
6. **Lee, K.**, Bonds Johnson, K., & Plow, M. (2024). Understanding the impact of social rhythms on mental health nursing. *Issues in Mental Health Nursing*, 20(1), 1–3. <https://doi.org/10.1080/01612840.2024.2384413>

7. *Dionne-Odom, J. N., Kent, E. E., Rocque, G. B., Azuero, A., Harrell, E. R., Gazaway, S., Reed, R. D., Bratches, R. W., Bechthold, A. C., **Lee, K.**, Puga, F., Miller-Sonet, E., & Ornstein, K. A. (2023). Family caregiver roles and challenges in assisting patients with cancer treatment decision-making: Analysis of data from a national survey. *Health Expectations*, 26(5), 1965–1976. <https://doi.org/10.1111/hex.13805>
8. **Lee, K.**, Lee, T. C., Yefimova, M., Kumar, S., Puga, F., Azuero, A., Kamal, A., Bakitas, M. A., Wright, A. A., Demir, G., Ritchie, C. S., & Dionne-Odom, J. N. (2023). Using digital phenotyping to understand health-related outcomes: a scoping review. *International Journal of Medical Informatics*, 178, 105061. <https://doi.org/10.1016/j.ijmedinf.2023.105061>
9. *Dionne-Odom, J. N., Ornstein, K. A., Azuero, A., Harrell, E. R., Gazaway, S., Watts, K. A., Ejem, D., Bechthold, A. C., **Lee, K.**, Puga, F., Miller-Sonet, E., Williams, G. R., & Kent, E. E. (2023). Bias reported by family caregivers in support received when assisting patients with cancer-related decision-making. *Cancer Medicine*, 12(3), 3567–3576. <https://doi.org/10.1002/cam4.5182>
10. Meyer, K. N., Glassner, A., **Lee, K.**, Pickering, C. E. Z., & White, C. L. (2022). Conceptualizing how caregiving relationships connect to quality of family caregiving within the stress process model. *Journal of Gerontological Social Work*, 65(6), 635–648. <https://doi.org/10.1080/01634372.2021.2010855>
11. **Lee, K.**, Chung, J., Meyer, K. N., & Dionne-Odom, J. N. (2022). Unmet needs and health-related quality of life of dementia family caregivers transitioning from home to long-term care: A scoping review. *Geriatric Nursing*, 43(3), 254–264. <https://doi.org/10.1016/j.gerinurse.2021.12.005>
12. ***Lee, K.**, Yefimova, M., Puga, F., & Pickering, C. E. Z. (2021). Gender differences in caregiver burden among family caregivers of persons with dementia. *Journal of Gerontological Nursing*, 47(7), 33–42. <https://doi.org/10.3928/00989134-20210610-03>
13. **Lee, K.**, Puga, F., Pickering, C. E. Z., Masoud, S. S., & White, C. L. (2019). Transitioning into the caregiver role following a diagnosis of Alzheimer's disease or related dementia: A scoping review. *International Journal of Nursing Studies*, 96, 119–131. <https://doi.org/10.1016/j.ijnurstu.2019.02.007>

Peer Reviewed Papers Under Review

1. *Plow, M., Douglas, S., Briggs, F., **Lee, K.**, Meyer, K., & Gunzler, D. (R & R). A decentralized study of stress, health-promoting behaviors, and quality of life among persons with multiple sclerosis and their care partners. *BMC Psychology*
2. ***Lee, K.**, Rhodes, S., Xiao, C., & Bonds Johnson, K. (R & R). Social determinants, support systems, and predictors of caregiving stress among family caregivers of individuals with Alzheimer's disease and related dementias. *Western Journal of Nursing Research*.

Abstract Published

1. ***Lee, K.**, Jackson, F., & Meyer, K. (2025). Caregiver Mastery as a Mediator Between Dementia Behavioral and Psychological Symptoms and Depressive Symptoms, *Innovation in Aging*, 9(Suppl 2), igaf122.3725, <https://doi.org/10.1093/geroni/igaf122.3725>
2. ***Lee, K.**, & Plow, M. (2025). Age-Related Differences in Emotional Responses Among Individuals with Multiple Sclerosis, *Innovation in Aging*, 9(Suppl 2), igaf122.3211. <https://doi.org/10.1093/geroni/igaf122.3211>
3. ***Lee, K.**, & Plow, M. (2024). Health behaviors and disability in older adults with multiple sclerosis: A mediation analysis. *Western Journal of Nursing Research*, 46(1), 26S–26S.
4. ***Lee, K.**, & Xiao, C. (2024). Caregiving stress in ADRD caregivers: The influence of social determinants of health and social support. *Innovation in Aging*, 8(Suppl 1), 1194. <https://doi.org/10.1093/geroni/igae098.3823>

5. ***Lee, K.**, & Plow, M. (2023). Understanding age-related disparities and environmental barriers in older adults with multiple sclerosis. *Innovation in Aging*, 7(Suppl 1), 1146. <https://doi.org/10.1093/geroni/igad104.3679>
6. ***Lee, K.**, Azuero, A., Kumar, S., Puga, F., Bakitas, M. A., Demiris, G., Ritchie, C. S., Kamal, A., Wright, A. A., & Dionne-Odom, J. N. (2023). The relationship between self-reported quality of life and smartphone GPS data. *Innovation in Aging*, 7(Suppl 1), 877. <https://doi.org/10.1093/geroni/igad104.2822>
7. *Dionne-Odom, J. N., Kent, E. E., Rocque, G. B., Azuero, A., Harrell, E. R., Gazaway, S., Reed, R. D., Bratches, R. W., Bechthold, A. C., **Lee, K.**, Puga, F., Miller-Sonet, E., & Ornstein, K. A. (2023). Family caregiver roles and challenges in supporting patients with cancer treatment decision-making: Analysis of data from a national survey (TH105A). *Journal of Pain and Symptom Management*, 65(3), e248–e249. <https://doi.org/10.1016/j.jpainsymman.2022.12.024>
8. **Lee, K.**, Lee, T. C., Yefimova, M., Kumar, S., Puga, F., Azuero, A., Kamal, A., Bakitas, M. A., Wright, A. A., Demiris, G., Ritchie, C. S., Pickering, C. E. Z., & Dionne-Odom, J. N. (2023). Digital phenotyping to understand health-related outcomes: A scoping review. *Innovation in Aging*, 6(Suppl 1), 581.
9. *Dionne-Odom, J. N., Ornstein, K., Azuero, A., Harrell, E., Gazaway, S., Watts, A. K., Ejem, D., Bechthold, A., **Lee, K.**, Miller-Sonet, E., Williams, R. G., & Kent, E. E. (2022). Bias reported by family caregivers of healthcare team support when assisting patients with cancer-related decision-making. *Journal of Clinical Oncology*, 40(16_suppl), 12015.
10. **Lee, K.**, & Pickering, C. (2021). Unmet needs and health-related quality of life for Alzheimer's disease and related dementia caregivers during transition to long-term care placement: A scoping review. *Journal of Alzheimer's Disease*, 17(Suppl 7), e052503.
11. ***Lee, K.**, Archer, B. M., Cox, K., & Pickering, C. (2021). Sources of positivity in the daily life of family caregivers of persons with dementia. *Innovation in Aging*, 5(Suppl 1), S655–S655.
12. *Meyer, K., **Lee, K.**, Yefimova, M., & Pickering, C. (2019). Contexts surrounding psychological mistreatment and neglect by caregivers to people with dementia. *Innovation in Aging*, 3(Suppl 1), S544–S545.

GRANT

Extramural Research Grants

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| Pending | <i>Social Rhythms and Symptom Variability and Well-being in Older Adults with Multiple Sclerosis: A Digital Phenotyping Approach</i> . PI: Lee, K. National Institute on Aging, R21 AG095478-01. \$275,000. Impact Score: 41; Percentile: 31.0. |
| 2019 - 2021 | <i>Feasibility of Collecting Participant-Generated Health Data Using Wearable Devices and Patient-Reported Outcomes: A Pilot Study with Family Caregivers at Institutionalization of Individuals with Alzheimer's Disease and Related Dementia</i> . PI: Lee, K. Sigma Small Grants, Sigma Theta Tau International Nursing Honor Society. \$4,990. |

Intramural Research Support

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| 2026–2028 | <i>P3 High Impact Hiring Initiative (HIHI) Research Support</i> . PI: Lee, K. Provost Office, University of Iowa. \$50,000. |
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Intramural Research Grants

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| 2018 - 2019 | <i>Transitioning into the Caregiver Role Following a Diagnosis of Alzheimer's Disease or Related Dementia</i> . PI: Lee, K. NextGen Nurse Scientist Research Grant, School of Nursing, UT Health at San Antonio, Grant 160682 \$1,900. |
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Training Grants

Extramural Training Grant

2023 - 2026 *Training Nurse Scientists to Improve the Outcomes of Rehabilitation Interventions in People with Multiple Sclerosis.* (PI: Plow, M.) National Multiple Sclerosis Society, MB-2007-36752.

Role: Postdoctoral Trainee

PRESENTATIONS

Research and Clinical Presentations

International

1. Dionne-Odom, J. N., Kent, E. E, Rocque, B. G., Azuero, A., Harrell, E., Gazaway, S., Reed, D. R., Bratches, W. R., Bechthold, A., **Lee, K.**, Puga, F., Miller-Sonet, E., Katherine, A., & Ornstein, K. (2023, March). Family caregiver roles and challenges in supporting patients with cancer treatment decision-making: Analysis of data from a national survey. *American Academy of Hospice and Palliative Medicine Annual Conference*, Montreal, Quebec, Canada. Podium Presentation

National

1. **Lee, K.**, Jackson, F., & Meyer, K. (2025, November). Caregiver mastery as a mediator between dementia behavioral and psychological symptoms and depressive symptoms. *The Gerontological Society of America 2025 Annual Scientific Meeting*, Boston, MA, USA. Peer reviewed poster.
2. **Lee, K.**, & Plow, M. (2025, November). Age-related differences in emotional responses among individuals with multiple sclerosis. *The Gerontological Society of America 2025 Annual Scientific Meeting*, Boston, MA, USA. Peer reviewed poster.
3. **Lee, K.** & Xiao, C. (2024, November). Caregiving stress in ADRD caregivers: The influence of social determinants of health and social support. *The Gerontological Society of America 2024 Annual Scientific Meeting*, Seattle, WA, USA. Peer reviewed poster.
4. **Lee, K.** & Plow, M. (2024, November). Impact of age on daily variations in fatigue, stress, and happiness in individuals with multiple sclerosis. *10th Annual Tykeson Fellows Conference*, Denver, CO, USA. Peer reviewed poster.
5. **Lee, K.** & Plow, M. (2023, November). Understanding age-related disparities and environmental barriers in older adults with multiple sclerosis. *The Gerontological Society of America 2023 Annual Scientific Meeting*, Tampa, FL, USA. Peer reviewed poster.
6. **Lee, K.**, Azuero, A., Kumar, S., Puga, F., Bakitas, M. A., Demir, G., Ritchie, C. S., Kamal, A., Wright, A. A., & Dionne-Odom, J. N. (2023, November). The relationship between self-reported quality of life and smartphone GPS data. *The Gerontological Society of America 2023 Annual Scientific Meeting*, Tampa, FL, USA. Peer reviewed poster.
7. **Lee, K.**, Kumar, S., Puga, F., Azuero, A., Kamal, A., Pickering, C., & Dionne-Odom, J. N. (2022, November). Digital phenotyping to understand health-related outcomes: A scoping review. *The Gerontological Society of America 2022 Annual Scientific Meeting*, Virtual. Peer reviewed poster
8. Dionne-Odom, J. N., Ornstein, K., Azuero, A., Harrell, E., Gazaway, S., Watts, A. K., Ejem, D., Bechthold, A., **Lee, K.**, Miller-Sonet, E., Williams, R. G., & Kent, E. E. (2022, June). Bias reported by family caregivers of healthcare team support when assisting patients with cancer-related decision-making. *2022 ASCO Annual Meeting*, Virtual. Peer reviewed poster.
9. **Lee, K.**, Archer, B. M., Cox, K., & Pickering, C. (2021, November). Sources of positivity in the daily life of family caregivers of persons with dementia. *The Gerontological Society of America 2021 Annual Scientific Meeting*, Virtual. Peer reviewed poster.

10. **Lee, K.** & Pickering, C. (2021, July). Unmet needs and health-related quality of life for Alzheimer's disease and related dementia caregivers during transition to Long-term care placement: A scoping review. *2021 Alzheimer's Association International Conference*, Virtual. Peer reviewed poster.
11. Meyer, K., **Lee, K.**, Yefimova, M., & Pickering, C. (2019, November). Contexts surrounding psychological mistreatment and neglect by caregivers to people with dementia. *The Gerontological Society of America 2019 Annual Scientific Meeting*, Austin, TX, USA. Peer reviewed poster.

State/Regional

1. Meyer, K., Cooper, R. A., **Lee, K.**, Kuwehan, A., & Knobloch, L. K. (2024, February). *Transitions in spousal caregiving relationships in dementia care: Application of relational uncertainty and partner interference within caregiver social convoys*. *2024 MNRS Annual Research Conference*, Minneapolis, MN, USA. Podium Presentation.
2. **Lee, K.** & Plow, M. (2024, February). Health behaviors and disability in older adults with multiple sclerosis: A mediation analysis. *2024 MNRS Annual Research Conference*, Minneapolis, MN, USA. Peer reviewed poster.
3. **Lee, K.**, Puga, F., Pickering, C.E.Z., Masoud, S. S., & White, C.L. (2019, February). Transitioning into the caregiver role following a diagnosis of Alzheimer's disease or related dementia: A scoping review (Poster & Blitz). *2019 South Texas Alzheimer's Conference*, San Antonio, TX, USA. Peer reviewed poster.

Institutional

1. **Lee, K.** & Plow, M. (2025, March). Age-related variability in daily fatigue, stress, and happiness in individuals with multiple sclerosis. *CTSC Research Discovery Day 2025*, Cleveland, Ohio, USA. Peer reviewed poster.
2. Archer, B. M., Cox, K., **Lee, K.**, & Pickering, C. (2021, April). Sources of positivity in the daily life of family caregivers of persons with dementia. *UAB Spring Expo 2021*, Alabama, AL, USA. Peer reviewed poster.

SERVICE

Editorial and Peer Review Service

Peer review of scholarly products

2025	American Journal of Geriatric Psychiatry
2025	Alzheimer's & Dementia: Behavior & Socioeconomics of Aging
2022 - 2024	Geriatric Nursing
2023	BMC Geriatrics
2023	International Journal of Nursing Studies Advances
2022	Journal of Neuro-Oncology
2022	Health & Social Care in the Community
2022	Health and Quality of Life Outcomes
2021	INQUIRY: The Journal of Health Care Organization, Provision, and Financing

Conference Abstract Reviews

2021 - 2026	Gerontological Society of America Annual Scientific Meeting
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Professional Service

Society/Association Membership, Participation, and Leadership

2019 - present	Member, Gerontological Society of America
2021 - present	Member, American Society of Clinical Oncology
2021 - present	Member, Center to Advance Palliative Care
2023-2026	Member, Clinical and Translational Science Collaborative, CWRU

2018-2025	Member, Sigma Theta Tau International Honor Society of Nursing
2024-2025	Member, Midwest Nursing Research Society

Community Service

Community organization membership, leadership positions, committee or task force memberships, or other activities

2023–2026	Participated in Benjamin Rose community events for people with dementia and caregivers, Cleveland, OH, USA
2018–2019	Provided monthly health screenings and education for Korean community, San Antonio, TX, USA
2018–2019	Volunteer supporter, Dementia Family Caregiver Support Group, San Antonio Presbyterian Church, San Antonio, TX, USA

TEACHING

Instructional Activities

Teaching Assistant

Spring 2020	Simulation Lab, School of Nursing, UAB, AL
Spring & Fall 2018	NURS 3305: Foundations of Clinical Nursing Practice: Clinical Application, BSN Program, School of Nursing, UTHSA, TX
Spring & Fall 2018	NURS 4217: Population Focused Health: Clinical Application, BSN Program, School of Nursing, UTHSA, TX
Summer 2018	NURS 4311: Care of Adult I: Theoretical Foundations, Methodist Hospital DEU, BSN Program, School of Nursing, UTHSA, TX

Guest Lecturer

2021	NRM 782: Application of Research Design Principles II (Ph.D. Program), School of Nursing, UAB, AL
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MENTORING AND ADVISEMENT

Mentoring

Undergraduate students

Summer 2025	Faith Jackson, BSN Program, Frances Payne Bolton School of Nursing, CWRU, OH
Spring 2021	Kaitlyn Cox, BSN Honors Program, School of Nursing, UAB, AL
Spring 2021	Michele Archer, BSN Honors Program, School of Nursing, UAB, AL

Graduate students

Summer 2025	Xiaolei Jiang, DNP Program, Frances Payne Bolton School of Nursing, CWRU, OH
Summer 2021	Mi-young Jung, FNP Program, School of Nursing, Texas Woman's University, TX
Fall 2020	