Eunyoung Kang, PhD

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EDUCATION

Postdoctoral Research Fellow, Institute for Implementation Science   2024

The University of Texas Health Science Center at Houston

Advisors: María E. Fernández, PhD and Bijal Balasubramanian, M.B.B.S., PhD

Doctor of Philosophy in Rehabilitation and Participation Science   2022

Program in Occupational Therapy, Washington University School of Medicine in St.

Louis, Advisor: Erin R. Foster, PhD, OTD, MSCI, OTR/L

Bachelor of Occupational Therapy, Yonsei University, South Korea   2015

Professional Experience

Assistant Professor, UTHealth Houston Institute for Implementation Science,   2025 –

Department of Health Promotion and Behavioral Sciences   Present

Occupational Therapist and Clinical Researcher, Chungnam National University   2014 -2016

Hospital, South Korea

PROFESSIONAL MEMBERSHIP

American Geriatrics Society   2025 –Present

PUBLICATIONS

*Mentored students

1. Tamboli M, MacArthur E, Collins N, **Kang E**, Fernandez M, Porter J, Conklin H, King A, Hankins J, Heitzer A. Caregiver and provider perspectives on developmental services for children with sickle cell disease: A mixed methods analysis, Frontiers in Pediatrics. 13: 1530457

2. Walker TJ, Are F, Heredia NI, Onadeko K, Saving EE, **Kang E**, Fernandez ME. Identifying Mechanisms of Action for Implementation Strategies Using a Retrospective Implementation Mapping Logic Model Approach. Prev Sci. 2025 Feb 21. doi: 10.1007/s11121-025-01790-2. Epub ahead of print. PMID: 39982674.

3. Fox K, Passey D, **Kang E**, Zeigen L, Kenzie E, Austin JD, Meadows RJ, Fernandez ME, Perez Jolles M. Application of core functions and forms in complex health intervention research: a scoping review protocol. BMJ Open. 2025 Jan 8;15(1):e091088. doi: 10.1136/bmjopen-2024-091088. PMID: 39779266; PMCID: PMC11749525.

4. **Kang E**, Ten Hoor G, Craig DW, Rodriguez S, Stockton J, Fernandez ME. Context, mechanisms and community engagement in implementation strategies: a systematic review protocol of implementation strategies designed using implementation mapping. BMJ Open. 2024 Nov 28;14(11):e088359. doi: 10.1136/bmjopen-2024-088359. PMID: 39613426; PMCID: PMC11605832.

5. **Kang E**, *Chen J, Lipsey KL, Foster ER. Community-Engaged Implementation Strategies in Occupational Therapy: A Scoping Review. Am J Occup Ther. 2024 Sep 1;78(5):7805205030. doi: 10.5014/ajot.2024.050526. PMID: 39197014.

6. Kang E, Foster ER. Development of a goal setting and goal management system: Intervention Mapping. Front Rehabil Sci. 2024 Jan 8;4:1274191. doi: 10.3389/fresc.2023.1274191. PMID: 38259874; PMCID: PMC10801041.

7. Kim MY, Jethani P, **Kang E**, Lipsey KL, Foster ER. Conceptualization, Measurement, and Factors Associated with Participation in Parkinson's Disease: A Systematic Review and Qualitative Analysis. Arch Phys Med Rehabil. 2023 Oct 28:S0003-9993(23)00602-0. doi: 10.1016/j.apmr.2023.10.009. Epub ahead of print. PMID: 39492469.

8. **Kang E**, *Chen J, Foster ER. Implementation strategies for occupational therapists to advance goal setting and goal management. Front Health Serv. 2023 Jun 7;3:1042029. doi: 10.3389/frhs.2023.1042029. PMID: 37351362; PMCID: PMC10282647.

9. **Kang E**, *Chen J, Foster ER. Feasibility and Implementation Determinants of a Structured Goal Setting and Goal Management System. Am J Occup Ther. 2023 Nov 1;77(6):7706205150. doi: 10.5014/ajot.2023.050296. PMID: 38060338; PMCID: PMC10846417.

10. **Kang E**, *Chen J, Foster ER. Feasibility, Client Engagement, and Person-Centeredness of Telehealth Goal Setting and Goal Management Intervention. OTJR (Thorofare N J). 2023 Jul;43(3):408-416. doi: 10.1177/15394492231172930. Epub 2023 Jun 2. PMID: 37269104.

11. Foster ER, Carson L, Jonas J, **Kang E**, Doty T, Toglia J. The Weekly Calendar Planning Activity to Assess Functional Cognition in Parkinson Disease. *OTJR (Thorofare N J)*. 2022 Jun 17:15394492221104075. doi: 10.1177/15394492221104075. PMID: 35713209

12. **Kang E, ***Friz D, Lipsey K, Foster ER. Empowerment in people with Parkinson's disease: A scoping review and qualitative interview study. *Patient Education Counseling.* 2022 Jun 9:S0738-3991(22)00264-6. doi: 10.1016/j.pec.2022.06.003. PMID: 35753829

13. **Kang E**, Foster ER. Use of Implementation Mapping with Community-Based Participatory Research: Development of Implementation Strategies of a New Goal Setting and Goal Management Intervention

System. *Frontiers in Public Health*. 2022 May 10;10:834473. doi: 10.3389/fpubh.2022.834473. PMID: 35619816

14. **Kang E**, Jethani P, Foster ER. Person-centered goal setting is feasible in people with Parkinson's disease who have subjective cognitive decline: a mixed methods study. *Disabil Rehabil*. 2022 Jan 13:1-8. doi: 10.1080/09638288.2022.2025930. PMID: 35023794

15. **Kang E**, Kim MY, Lipsey KL, Foster ER. Person-Centered Goal Setting: A Systematic Review of Intervention Components and Level of Active Engagement in Rehabilitation Goal-Setting Interventions. *Archives of physical medicine and rehabilitation*. 2022 Jan;103(1):121-130.e3. doi: 10.1016/j.apmr.2021.06.025. Epub 2021 Aug 8. PMID: 34375632

16. **Kang E**, Jee SJ, Kim CS, Suh KS, Wong AWK, Moon JY. The feasibility study of Computer Cognitive Senior Assessment System-Screen (CoSAS-S) in critically ill patients with sepsis. *Journal of critical care*. 2018 Apr;44:128-133. doi: 10.1016/j.jcrc.2017.10.005. Epub 2017 Oct 10. PMID: 29096231

17. **Kang E**, *Woodhouse D, *Yap J, Balls-Berry J, Foster ER. Community Engagement Studios to Improve Racial Diversity and Equity in Parkinson's (in revision)

18. Cho D, Springer A, **Kang E**, Mitchell S, Gardiner H, Dailey J, Fernandez ME, Gulyard L, Basen-Engquist K. Adapting a physical activity intervention for cancer survivors in a persistent poverty area (under-review)

WORK-IN-PROGRESS MANUSCRIPT
 *Mentored students/staff

1. **Kang E**, Ten Hoor G, Rodriguez S, Craig D, Fernández ME. A systematic review of Implementation Mapping

2. **Kang E**, Obekpa E, Fernández ME. Use and Reporting of IM ADAPT for Evidence-Based Intervention Adaptation: A Scoping Review

3. Fernández ME, **Kang E**. An Intervention Mapping approach to systematically adapt evidence-based interventions: IM ADAPT

4. Walker T, **Kang E**, Saldana L, Szeszulski J, Shelley D, Kawk L, Powell BJ, Are F, Fernández ME. Identifying and describing mechanisms of implementation strategies: An Implementation Mapping Logic Model

5. Fernández ME, **Kang E**, Beg S. Cultural Adaptations: Current Practice, Evidence, and Practical Guides

6. Fernández ME, **Kang E**. What is the difference between a multilevel intervention and a multi-level implementation strategy?

PEER REVIEWED PRESENTATIONS/PUBLISHED ABSTRACTS

1. **Kang E**, Craig DW, Rodriguez SA, Valerio-Shewmaker MA, Fernandez ME, Implementation Mapping: Using Intervention Mapping to Plan Implementation Strategies, Pre-conference workshop at Society for Prevention Research 33rd Annual Meeting, Seattle, WA, USA (scheduled for May 2025)

2. **Kang E**, Walker TJ, Balasubramanian B, Fernandez ME. Recommendations and Agenda for the Implementation Mapping Logic Model: Insights from Three Systematic Reviews. Poster presentation at the 17th Annual Conference on the Science of Dissemination and Implementation in Health (2025), Arlington, VA, United States

3. Fernandez ME, Walker TJ, Balasubramanian B, **Kang E**. The Implementation Mapping Logic Model: Fundamentals and Applications. Poster presentation at the 17th Annual Conference on the Science of Dissemination and Implementation in Health (2025), Arlington, VA, United States

4. Millett T, **Kang E**, Chandler E, Rodriguez S, Patel S, Dang B, Giordano T, Balasubramanian B, and Christine Markham C. Implementation research to end the HIV epidemic: Capacity building efforts of the Texas Implementation Science Hub, Poster presentation at the 2024 Conference on the Science of Dissemination and Implementation, Arlington, VA, United States

5. Sanchez-Blas H, **Kang E**, Obekpa EO, Fernandez ME., Current Use of Intervention Mapping for Adaptation: A Systematic Review, Oral presentation at the 2024 Conference on the Science of Dissemination and Implementation, Arlington, VA, United States

6. **Kang E,** Sanchez H, Obekpa E, Fernandez ME., A Scoping Review of Intervention Adaptation Using IM-ADAPT, Poster presentation at 2024 Society for Implementation Research Collaboration, Denver, CO, United States

7. **Kang E,** Walker T, Fernandez ME, Elucidating implementation mechanisms: An Implementation Mapping Logic Model, Poster presentation at Global Implementation Science Conference, Houston, TX, United States

8. Fernandez ME, Baumann A, Beg S, **Kang E**. Enhancing Global Health Equity: Cultural Adaptation of Evidence-Based Practices, Poster presentation at Global Implementation Science Conference, Houston, TX, United States

9. **Kang E, Walker T,** Fernandez ME, Elucidating implementation mechanisms: An Implementation Mapping Logic Model, Poster presentation at Global Implementation Science Conference, Houston, TX, United States

10. **Kang E, Walker T,** Fernandez ME, Elucidating implementation mechanisms: An Implementation Mapping Logic Model, Poster presentation at Global Implementation Science Conference, Houston, TX, United States

11. **Kang E**, Walker TJ, Are F, and Fernandez ME. Demystifying mechanisms of implementation strategies using a prospective implementation mapping logic model, Poster presentation at the 2023 Conference on the Science of Dissemination and Implementation, Arlington, VA, United States

12. Walker TJ, **Kang E**, Are F, and Fernandez ME. Identifying mechanisms of action for implementation strategies using a retrospective implementation mapping approach. Poster presentation at the 2023 Conference on the Science of Dissemination and Implementation, Arlington, VA, United States

13. **Kang E**, Foster ER. (2023). Performance and cost of targeted Facebook and Email recruitment to improve health equity in Parkinson's disease. Poster presentation at the 100th American Congress of Rehabilitation Medicine Conference, Atlanta, GA, United States

14. **Kang E**, Foster ER. (2023). Content validity of MyGoals, a new goal setting and goal management system. Poster presentation at the 100th American Congress of Rehabilitation Medicine Conference, Atlanta, GA, United States

15. **Kang E**, Jethani P, Foster ER. (2021). Person-Centered Goal Setting is Feasible in People with Parkinson's Disease Who Have Subjective Cognitive Decline. Poster presentation at the 98th American Congress of Rehabilitation Medicine Conference (Virtual conference)

16. **Kang E**, Foster ER. (2020). The Interplay of Depression Symptoms and Perceived Control in Older Adults: A Network Approach Perspective. Poster presentation at the 97th American Congress of Rehabilitation Medicine Conference (Virtual conference)*
    This presentation is awarded by the Center for Large Data Research & Data Sharing in Rehabilitation Travel Award for Secondary Data Analysis of Archived Studies

17. **Kang E**, Kim MY, Foster ER. (2020). A Systematic Review of Theory-Based Person-Centered Goal-Setting Interventions. Poster presentation accepted at American Occupational Therapy Association Conference. Boston, MA, United States (Conference canceled)

18. Lee Y, **Kang E**, Walsh R, Wong AWK. (2020). Understanding Patient Engagement Intervention for Persons with Chronic Diseases; Systematic Review and Meta-Analysis. Poster presentation at the 3rd Annual Institute of Clinical and Translational Sciences (ICTS) Symposium, St. Louis, MO, United States

19. **Kang E**, Fong WMM, Lenze E, Baum MC, Ottenbacher K, Wong AWK. (2019). A Network Analysis of Depressive Symptoms in Persons after Stroke, Poster presentation at the 96th American Congress of Rehabilitation Medicine Conference, Chicago, IL, United States*
    This presentation is selected as Stroke ISIG Newsworthy Poster of the Conference Awardee, the 96th American Congress of Rehabilitation Medicine Conference

20. **Kang E**, Wong AWK. (2019). Network Analysis of Depressive Symptoms in Persons with Stroke: A comparison of Smartphone-based Ecological Momentary Assessment (EMA) versus Retrospective Self-report. Oral presentation at the International Symposium for Digital Health, Hong Kong

21. **Kang E**, Heinemann AW, Baum MC, Fong MWM, Lau SCL, Macpherson V, Wong AWK. (2019). Loneliness as a mediator of the relationship between social support and well-being in community-dwelling adults after stroke. Poster presentation at the 2nd Annual Institute of Clinical and Translational Sciences (ICTS) Symposium, St. Louis, MO, United States

22. **Kang E**. Heinemann AW, Baum MC, Lau SCL, Macpherson V, Wong AWK. (2018). Predictors of loneliness in Community-Dwelling Persons after Stroke. Poster presentation at the 95th American Congress of Rehabilitation Medicine Conference, Dallas, TX, United States

23. **Kang E**, Heinemann AW, Baum MC, Lau SCL, Wong AWK. (2018). Loneliness as a social support outcome: The prevalence of post-stroke loneliness and its impacts on well-being in community-dwelling stroke survivors. Poster presentation at McDonnell Academy 7th International Symposium, Beijing, China

24. **Kang E**, Heinemann AW, Baum MC, Lau SCL, Wong AWK. (2018). Relationships between Loneliness and Health Status in Community-dwelling Stroke Survivors. Poster presentation at Occupational Therapy Summit of Scholars, Kansas City, KS, United States

25. **Kang E**, Heinemann AW, Baum MC, Lau SCL, Wong AWK. (2018). Health status as a predictor of loneliness in community-dwelling stroke survivors. Poster presentation at the 8th Annual Patient Centered Outcomes Research (PCOR) Symposium, St. Louis, MO, United States

26. **Kang E**, Wong AWK, Moon JY. (2017). Computerized cognitive screening assessment for patients with sepsis in intensive care units. Poster presentation at the Institute for Public Health 10th Annual Conference, St. Louis, MO, United States

RESEARCH GRANTS

ACTIVE

Grant title: Leveraging community health service provision to implement the World Health Organization HEARTS guidelines to strengthen hypertension control and prevention in Bangladesh (1R01HL175636-01)

Role: Implementation Science Consultant

PI: Ravi Chowdhury, Subcontract PI: Maria Fernandez.

Funder: Wellcome Trust/Florida International University

Summary: This project aims to enhance understanding of climate variability and exposure pathways to cardiovascular disease in a vulnerable urban coastal community; evaluate connections between environmental, social, economic, and biological drivers; identify adaptation strategies with cardiovascular co-benefits; and characterize policy drivers and levers to facilitate strategy adoption.

UNDER-REVIEW

Grant title: Identifying Mechanisms of Implementation Strategies for Cancer Control: An Implementation Mapping Approach

Role: Principal Investigator

Funder: National Cancer Institute

Summary: This project aims to develop the Expert Recommendations for Implementing Change (ERIC)-Implementation Mapping (IM) Mechanism Mapping Tool. This tool will provide two capabilities: 1) offering a platform for the exploration and development of theory- and evidence-informed implementation strategies and their mechanisms, aimed at the effective translation of cancer control interventions; and 2) providing a library of examples of ERIC strategies and their mechanisms. The long-term goal of the proposed project is to enhance the design and tailoring of effective implementation strategies that accelerate the translation of evidence-based cancer control interventions to improve population health and health equity. The goal of the proposed project is to improve our understanding of the ERIC strategies' mechanisms and develop the ERIC Mechanism Mapping Tool using an Implementation Mapping approach.

Grant title: The Texas Implementation Science Research Consultation Hub to End HIV
Role: Co-Investigator
Funder: National Institute of Allergy and Infectious Diseases
Summary: The Texas Implementation Science Research Consultation Hub (TX IS Hub) aims to serve as a critical cross- institutional infrastructure for building capacity in HIV implementation research, practice, and policy to advance the translation of evidence-based HIV practice. Focusing on Texas and the broader Southern U.S., where unique structural and health disparities persist, the Hub will disseminate knowledge regionally and nationally by synthesizing and sharing implementation science knowledge, providing coaching and technical assistance, leading capacity-building activities, and collaborating with diverse organizations through cross-hub initiatives. The successful completion of this project will enhance knowledge and capacity in implementation science and HIV, ultimately accelerating the translation of evidence-based HIV prevention, treatment, and management and contributing to ending the HIV epidemic.

Grant title: Integrated Multi-condition Primary Care Action to Change Health Trajectories in India
Role: Co-Investigator
Summary: This project aims to transform the management of multiple long-term conditions in India's primary healthcare system by implementing an evidence-based intervention bundle targeting hypertension, diabetes, cardiovascular disease, and depression. Through a hybrid effectiveness-implementation study guided by CFIR, RE-AIM, and Implementation Mapping, the research will generate critical insights into barriers and facilitators affecting EBI adoption, implementation, and sustainment. The findings will inform scalable, cost-effective strategies to improve multiple long-term conditions care in low-resource settings while contributing to the broader field of implementation science and global health.

COMPLETED

Grant title: A needs assessment about empowerment intervention for people with Parkinson's disease living in St. Louis

Role: Principal Investigator

Funder: The Gephardt Institute's Civic and Community Engagement Fund

Summary: This project aimed to understand empowerment intervention components deemed essential by people with Parkinson's disease living in the greater St. Louis area in partnership with the American Parkinson's Disease Association Greater St. Louis Chapter.

Grant title: Development and evaluation of a new goal setting and goal management system and its implementation strategies: Intervention Mapping and Implementation Mapping

Role: Principal Investigator

Funder: PhD Dissertation Fund, Rehabilitation and Participation Science, Program in Occupational Therapy, Washington University School of Medicine in St. Louis

Summary: This project aimed to develop, evaluate, and optimize a new goal setting and goal management system and its implementation strategies to improve its application in practice. This project utilized Intervention Mapping and Implementation Mapping in collaboration with adults with chronic conditions and occupational therapist partners.

TEACHING AND MENTORING

May 2025 (scheduled)	Organizer & Instructor – Implementation Mapping: Using Intervention Mapping to Plan Implementation Strategies, pre-conference workshop, Society for Prevention Research 33rd Annual Meeting held, Seattle, WA, USA
Mar 2025 (scheduled)	Instructor – IM Adapt—A Framework and Online Tool for Adapting Evidenced-Based Interventions to Improve Fit and Impact, San Francisco, CA, USA (scheduled for March 2025)
Dec 2024	Organizer & Instructor – D&I Pre-Conference Workshop: Optimizing the Pace of Implementation Strategy Planning: Going Fast and Slow with the Implementation Mapping Logic Model, presented at the 17th Annual Conference on the Science of Dissemination and Implementation in Health, Arlington, VA, United States
May 2024	Instructor – Health Promotion Planning: An Intervention Mapping Approach, Institute for Implementation Science, The University of Texas Health Science Center at Houston, 7000 Fannin, Houston, TX

May 2024	Instructor – Implementation Mapping: Using Intervention Mapping to Plan Implementation Strategies, Institute for Implementation Science, The University of Texas Health Science Center at Houston, 7000 Fannin, Houston, TX
May 2024	Instructor – Adapting Evidence-Based Interventions: An Intervention Mapping Approach, Institute for Implementation Science, The University of Texas Health Science Center at Houston, 7000 Fannin, Houston, TX
Oct 2023 – Jan 2024	Workshop facilitator - Institute for Implementation Science Workshop, Institute for Implementation Science, The University of Texas Health Science Center at Houston 7000 Fannin, Houston, TX
June 2023	Workshop facilitator - Generating Evidence with Hybrid Trials, The Colorado Pragmatic Research in Health Conference 2023, Aurora, CO
May 2023	Guest lecturer - Implementation Mapping: 1-day Short Course, Institute for Implementation Science, The University of Texas Health Science Center at Houston 7000 Fannin, Houston, TX Presentation Title: Implementation Mapping Tasks 3 and 4
May 2023	Continuing Education Facilitator - Implementation Mapping: 1-day Short Course, Institute for Implementation Science, The University of Texas Health Science Center at Houston, 7000 Fannin, Houston, TX Facilitated small group sessions for 1-day Implementation Mapping course
May 2023	Continuing Education Facilitator - Intervention Mapping 4-day Short Course, Institute for Implementation Science, The University of Texas Health Science Center at Houston, 7000 Fannin, Houston, TX Facilitated small group sessions for 4-day Intervention Mapping course
2019	Guest Lecturer - OT5782 Neuroscience Principles of Performance I, Program in Occupational Therapy, Washington University School of Medicine
2019	Teaching Assistant - OT5782 Neuroscience Principles of Performance I, Program in Occupational Therapy, Washington University School of Medicine

INVITED PRESENTATIONS

April 2025	Introduction to Implementation Mapping Logic Model, Pragmatic Clinical Trials In Cancer, Planning And Evaluating Cancer Control Interventions And Implementation Strategies, Houston, TX, United States
May 2021	Diversity in Parkinson disease research. Parkinsonism and Related Movement Disorders Task Force Leadership Meeting, American Congress of Rehabilitation Medicine

Feb 2021   Engaging Underrepresented Populations in Parkinson Disease Research. Collaborative
                  Café: Building and Extending Community-Engaged Research, Washington University
                  in St. Louis; St. Louis, MO, United States

HONORS AND AWARDS

2017-2022   McDonnell International Scholar, Washington University in St. Louis

2020   The Center for Large Data Research & Data Sharing in Rehabilitation Travel
                  Award for Secondary Data Analysis of Archived Studies

2019   Stroke ISIG Newsworthy Poster of the Conference Awardee, the 96[th]American
                  Congress of Rehabilitation Medicine Conference

2015   Highest Honors, Yonsei University

2013   Excellence Award in Capstone Design Fair, Yonsei University

Scientific Publication Review

Implementation Science Communications

International Journal of Medical Informatics

Disability and Rehabilitation

American Journal of Occupational Therapy

Journal of Patient-Reported Outcomes

BMC Medical Research Methodology

Patient Education and Counseling

Medical Principles and Practice

BMC Neurology

Neuropsychological Rehabilitation

Journal of Parkinson's Disease

European journal of neurology