

Hana Kim, Ph.D.

Assistant Professor

Department of Communication Sciences and Disorders
College of Behavioral and Community Sciences
University of South Florida
4202 E Fowler Ave, PCD4006 Tampa, FL 33620
hanakim1@usf.edu

EDUCATION

- | | |
|------|---|
| 2020 | Ph.D., Communication Sciences and Disorders
East Carolina University, Greenville, NC, USA
- <i>Dissertation</i> : “Measurement of word retrieval ability in the discourse of persons with aphasia: Standard core lexicon item development and psychometric properties” (Advisor: Heather Harris Wright, Ph.D., CCC-SLP) |
| 2015 | M.A., Communication Sciences and Disorders
Ewha Womans University, Seoul, Korea
- <i>Thesis</i> : “Concurrent validity of information unit scoring system for individuals with mild cognitive impairment” (Advisor: Jee Eun Sung, Ph.D.) |
| 2011 | B.A., Political Science and International Relations
Ewha Womans University, Seoul, Korea |

PROFESSIONAL APPOINTMENT

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| 2023 – present | Co-founder and Chief Science Officer, INUR technologies LLC |
| 2022 – present | Assistant Professor, University of South Florida, Department of Communication Sciences and Disorders |
| 2020 – 2022 | Postdoctoral Research Fellow, Johns Hopkins University School of Medicine, Stroke Cognitive Outcomes and Recovery (PI: Argye Hillis, M.D., M.A.) |
| 2015 – 2020 | Research Assistant, East Carolina University, Aging and Adult Language Disorders (PI: Heather Harris Wright, Ph.D., CCC-SLP) |
| 2014 – 2015 | Speech-Language Pathologist, Ewha Womans University Medical Center, Department of Rehabilitation, Seoul, Korea |
| 2013 – 2014 | Speech-Language Pathologist, Ewha Womans University Medical Center, Department of Neurology, Seoul, Korea |
| 2012 – 2014 | Research Assistant, Ewha Womans University, Neurogenic Communication and Brain Lab (PI: Jee Eun Sung, Ph.D.) |

GRANTS

- 2023 – 2024 USF CBCS Internal Grant Program. *Expository Discourse and its Relationship with Social Support in Younger Adults with Mild Aphasia*. PI: Kim. – Funded (\$20,000)
- 2023 Florida High Tech Corridor Early-Stage Innovation Fund. *Personalized Aphasia Communication Assistant (AI-Phasia)*. Co-PI: Kim, PI: Burgin – Funded (\$25,000)
- 2023 Bull Ring Accelerator Grants. *Personalized Aphasia Communication Assistant (AI-Phasia)*. Co-PI: Kim, PI: Burgin – Funded (\$25,000)

PATENTS

- 2023 Yilmaz, Y., **Kim, H.**, Burgin, W., & Quah, K. Personalized Aphasia Communication Assistant System. US Provisional Application. 63/447,514 (Pending).

AWARDS & HONORS

- 2021 – Meritorious Poster Awards, American Speech-Language-Hearing Association, 2021 ASHA convention
- 2021 – NIDCD Student Fellowship: Research Symposium in Clinical Aphasiology, 50th Clinical Aphasiology Conference
- 2020 – Selected protégé, American Speech-Language-Hearing Association Pathways Program
- 2019 – Student Fellow, Academy of Neurology Communication Disorders and Sciences
- 2018 – Student Scholar Award for 13th Annual Eleanor M. Saffran Conference
- 2018 – NIDCD Student Fellowship: Research Symposium in Clinical Aphasiology, 48th Clinical Aphasiology Conference
- 2018 – Travel Fund Awards, East Carolina University, Department of Communication Sciences and Disorders
- 2017 – Student Research Travel Award for highest-rated student paper within research topic (Language Disorders in Adults), American Speech-Language-Hearing Association, 2017 ASHA convention
- 2017 – Travel Fund Awards, East Carolina University, Department of Communication Sciences and Disorders
- 2017 – NIDCD Student Fellowship: Research Symposium in Clinical Aphasiology, 47th Clinical Aphasiology Conference
- 2016 – Travel Fund Awards, East Carolina University, Department of Communication Sciences and Disorders
- 2016 – NIDCD Student Fellowship: Research Symposium in Clinical Aphasiology, 46th Clinical Aphasiology conference
- 2009 – International student scholarship, Mukogawa Women’s University, Hyogo, Japan
- 2006 – Political science and international relation alumni scholarship, Ewha Women’s University, Seoul, Korea

TEACHING ACTIVITY

University of South Florida

Spring 2024	Adult Communication Disorders, SPA 4257 (3cr.)
Fall 2023	Seminar in Aging, Cognition, and Communication, SPA6564 (3cr.) Adult Communication Disorders, SPA4257 (3cr.)
Spring 2023	Research Methods, SPA4901 (3cr.)
Fall 2022	Seminar in Aging, Cognition, and Communication, SPA6564 (3cr.)

Sangji University, Wonju, Korea

Spring 2021	Career Development in Speech-Language Pathology (Online lecture, 3cr) (guest speaker)
Fall 2020	Career Development in Speech-Language Pathology (Online lecture, 3cr) (guest speaker)

East Carolina University

Summer 2019	Research Design in Speech and Hearing (3cr.) (guest speaker)
Fall 2018	Intro to Communication Sciences and Disorders (3cr.)
Spring 2018	Speech Science (3cr.) (guest speaker)
Fall 2017	Neural Processing in Speech and Language (3cr.)

PUBLICATIONS

Articles published in peer-reviewed journals:

Kim, H., & Kintz, S. (2024). Discourse production across the adult life span: microlinguistic processes. *Topics in Cognitive Science*.

Dresang, H., Williamson, R., **Kim, H.**, Hillis, A. E., & Buxbaum, L. H. (2024). Gesture profiles distinguish primary progressive aphasia variants: A preliminary study. *Aphasiology*.

Kim, H., Obermeyer, J., & Wiley, R. (2024). Written discourse in diagnosis for acquired neurogenic communication disorders: current evidence and future directions. *Frontiers in Human Neuroscience*, 17, 1264582. <https://doi.org/10.3389/fnhum.2023.1264582>

Kintz, S., **Kim, H.**, & Wright, H. H. (2024). A preliminary investigation on core lexicon analysis in dementia of the Alzheimer's type. *International Journal of Language & Communication Disorders*. <https://doi.org/10.1111/1460-6984.12999>

Meier, E., Bunker, L., **Kim, H.**, & Hillis, A. E. (2023). Resting state connectivity in acute and subacute post-stroke aphasia: A functional near-infrared spectroscopy pilot study. *Brain Connectivity*. <https://doi.org/10.1089/brain.2022.0065>

Kim, H., Berube, S., & Hillis, A. E. (2022). Core lexicon in aphasia: A longitudinal study. *Aphasiology*. <https://doi.org/10.1080/02687038.2022.2121598>

Ruch, K., Stockbridge, M., Walker, W., Vitti, E., Shea, J., Sheppard, S., **Kim, H.**, Pacl, A., Faria, A., & Hillis, E. A. (2022). Enhanced imaging and language assessments for primary progressive aphasia. *Neurology*. DOI: 10.1212/WNL.0000000000201040

Kim, H., Schoemann, A.M., & Wright, H. H. (2022). Quality of measurement in core lexicon measures. *Journal of Speech, Language, and Hearing Research*. 1-12.

Kim, H., Sung, J.E., & Jeong, J. (2022). Non-transcription analysis of connected speech in mild cognitive impairment using an information unit scoring. *Journal of Neurolinguistics*. 61, 101035. <https://doi.org/10.1016/j.jneuroling.2021.101035>

Kim, H., Walker, A., Shea, J., & Hillis, A. E. (2021). Written discourse task helps to identify progression from mild cognitive impairment to dementia. *Dementia and Geriatric Cognitive Disorder*. DOI: 10.1159/000519884

Kim, H., Kintz, S., & Wright, H. H. (2021). Development of a measure of function word use in narrative discourse: core lexicon analysis in aphasia. *International Journal of Language & Communication Disorders*. 56(1), 6-19. DOI:10.1111/1460-6984.12567

Rothermich, K., Simmons, E.S., Makaria, P., Benson, L., Plyler, E., **Kim, H.**, & Joergensen, G.H. (2021). Tracking nonliteral language processing using audiovisual scenarios. *Canadian Journal of Experimental Psychology*. <https://doi.org/10.1037/cep0000223>

Sharma, S., **Kim, H.**, Harris, H., Harberstroh, A., Wright, H. H., & Rothermich, K. (2021). Eye tracking measures for studying language comprehension deficits in aphasia: A systematic search and review. *Journal of Speech, Language, and Hearing Research*. 64(3), 1008-1022.

Kim, H., & Wright, H. H. (2020). A tutorial on core lexicon: Development, use and application. *Seminars in speech and language*. 41(1), 20-31.

Dalton, S. G. H., **Kim, H.**, Richardson, J.D., & Wright, H. H. (2020). A compendium of core lexicon checklists. *Seminars in speech and language*. 41(1), 45-60.

Kim, H., & Wright, H. H. (2020). Concurrent validity and reliability of the core lexicon measure as a measure of word retrieval ability in aphasia narratives. *American Journal of Speech- Language Pathology*. 29(1), 101-110.

Kim, H., Kintz, S., & Zelnosky, K., Wright, H. H. (2019). Measuring word retrieval in narrative discourse: Core lexicon in Aphasia. *International Journal of Language & Communication Disorders*, 54(1), 62-78.

Henderson, A., **Kim, H.**, Kintz, S., Frisco, N., & Wright, H. H. (2017). Working memory in Aphasia: Considering discourse processing and treatment implications. *Seminars in speech and language*, 38(1), 40-51.

Kim, H., & Sung, J. E. (2014). Age-related changes in story retelling procedures and their relation to working memory capacity, *Special Education Research*, 13(3), 7-24.

Submitted papers:

Kim, H., & Themistocleous, C. (under review). A machine learning classification of individuals with mild cognitive impairment into variants from writing. *PlosOne*.

Kim, H., Kintz, S., & Wright, H. H. (under review). Preliminary findings of expository discourse in older adults: the impact of cognition, social support, and gender. *Journal of language and aging research*.

Kim, H., Teghipco, A., Roden, C., Fridriksson, J., Chaves, M., & Hillis, A. E. (under review). Regions of hypoperfusion that contribute to acute national institutes of health stroke scale scores. *Brain*.

Teghipco, A., **Kim, H.**, Rorden, C., Newman-Norlund, R., Sharif, M., Sikorski, D., & Hillis, A. E. (under review). Excellence is a habit: Enhancing predictions of language impairment by identifying stable features in clinical perfusion scans. *Cortex*.

PEER-REVIEWED PUBLISHED ABSTRACTS

Kim, H., Bunker, L., Meier, E., & Hillis, A. E. (2022). Discourse Comprehension in Healthy Adults and Individuals with Acute Aphasia: an fNIRS Study (P3-6.002). *Neurology*, 98 (18 Supplement) 2952

Bunker, L., **Kim, H.**, Meier, E., & Hillis, A. E. (2022). Variable Picture Naming Activation Patterns in Post-stroke Aphasia: A Functional Near-infrared Spectroscopy (fNIRS) Case Series Investigation. *Neurology*, 98 (18 Supplement) 3052

Kim, H., Walker, A., Shea, J., & Hillis, A. E. (2021). Written Language Impairments in Subgroups of Mild Cognitive Impairment. *Annals of Neurology*, 90, S88-S89

BOOK CHAPTERS

Kintz, S., & **Kim, H.** (2022). *Discourse processes in older adults: considering discourse elicitation tasks*. In C. Coelho., L. R. Cherney., & B. B. Shadden (Eds). *Discourse Analysis in Adults with and without Communication Disorders: A Resource for Clinicians and Researchers* (pp. 33-50). Plural Publishing, Inc.

Sharma, S., **Kim, H.**, & Wright, H. H. (2019). *Elderly: Communication disorders of aging*. In M. J. Ball & J. S. Damico (Eds). *Sage Encyclopedia of Communication Sciences and Disorders* (pp. 659-662). Thousand Oaks, CA: SAGE Publications Inc. <http://dx.doi.org/10.4135/9781483380810.n220>

INVITED TALKS

Kim, H., & Kintz, S., (April, 2022). *Core Lexicon Analysis Workshop* (Part 1). FOQUSAphasia. (<https://www.youtube.com/watch?v=XPSjQvynUbc>)

Kim, H., & Kintz, S., (April, 2022). *Core Lexicon Analysis Workshop* (Part 2). FOQUSAphasia. (<https://www.youtube.com/watch?v=NXrqaqeWJgQ>)

PRESENTATIONS

Tilton-Bolowsky, V., Durfee, A., Bunker, L., **Kim H.**, & Hillis A. E (February, 2024). Emotional prosody and facial expressions differentially augment comprehension of discourse for left- and right-hemisphere stroke survivors. International Stroke Conference in Phoenix, AZ.

Bunker, L., Meier, E., **Kim, H.**, Durfee, A., & Hillis, A. E. (October, 2023). Changes in activation and functional connectivity in subacute aphasia following Treatment: an fNIRS case series investigation. Poster to be presented at Academy of Aphasia, Reading, England.

Sharma, S., **Kim, H.**, Sewell, K., & Wright, H. H. (November, 2023). Alterations in discourse and cognition in aging and mild cognitive impairment: a scoping review. Poster to be presented at American Speech-Language Hearing Association Convention.

Obermeyer, J., **Kim, H.**, & Wiley, R. (May, 2023). Written Discourse in Aphasia: A Systematic Review of Treatment Options. Poster presented at Clinical Aphasiology Conference, Atlantic City, NJ.

Kim, H., Berube, S., Hillis, A. E. (November, 2022). Core lexicon in aphasia: a longitudinal study. Poster presented at American Speech-Language Hearing Association Convention, New Orleans, LA.

Kintz, S., & **Kim, H.** (November, 2022). Construct validity of core lexicon analysis for single picture descriptions and procedural discourse. Poster presented at American Speech-Language Hearing Association Convention, New Orleans, LA.

Kintz, S., & **Kim, H.** (October, 2022). A comparison of core lexicon production by subtypes of aphasia with normative data. Poster presented at Accepted to Academy of Aphasia. Philadelphia, PA.

Dresang, H., Williamson, R., **Kim, H.**, Hillis, A. E., & Buxbaum, L. (October, 2022). Components of limb apraxia distinguish patients with different primary progressive aphasia variants. Poster presented at Society for the Neurobiology of Language. Philadelphia, PA

Kim, H., Bunker, L., Meier, E., Hillis, A. E. (October, 2022). Investigating discourse comprehension in individuals with and without acute left hemisphere stroke – an fNIRS pilot study. Poster presented at Society for functional Near-infrared Spectroscopy, Boston, MA.

Meier, E., Bunker, L., **Kim, H.**, & Hillis, A. E. (June, 2022). Resting state connectivity in acute vs. subacute left hemisphere stroke: An fNIRS Pilot Study. Poster presented at Organization for Human Brain Mapping, Glasgow, Scotland.

Bunker, L., Diaz-Carr, I., **Kim, H.**, Sharif, M., Kelly, C., & Hillis, A. E. (May, 2022). Phonologically plausible and implausible errors in alexia and agraphia in acute ischemic stroke. Poster presented at Clinical Aphasiology Conference, Wrightsville Beach, NC.

Kim, H., Obermeyer, J., Wiley, R., Hillis, A. E. (May, 2022). Is written discourse clinically useful in diagnosis and treatment for acquired neurogenic communication disorder?: A review. Poster presented at Clinical Aphasiology Conference, Wrightsville Beach, NC.

Kim, H., Bunker, L., Meier, E., & Hillis, A. E. (April, 2022). Discourse comprehension in healthy adults and individuals with acute aphasia: an fNIRS study. Poster presented to American Academy of Neurology, Seattle, WA.

Bunker, L., **Kim, H.**, Meier, E., & Hillis, A. E. (April, 2022). Variable picture naming activation patterns in post-stroke aphasia: a functional near-infrared spectroscopy (fNIRS) case series investigation. Poster presented to American Academy of Neurology, Seattle, WA.

Kim, H., Walker, A., Shea, J., Hillis, A. E. (November, 2021). Linguistic predictors of the conversion of Mild cognitive impairment to dementia. Poster presented at American Speech-Language Hearing Association Convention (Virtual).

Kim, H., Walker, A., Shea, J., Hillis, A. E. (October, 2021). Written language impairments in subgroups of mild Cognitive Impairment. Poster presented at American Neurological Association (Virtual).

Kim, H., & Wright, H. H. (May, 2021). Measuring word retrieval ability in discourse: Psychometric properties of core lexicon. Poster presented at Clinical Aphasiology Conference (Virtual).

Tate, L., Uzzell, R., **Kim, H.**, & Wright, H. H. (November, 2020). Micro and macro linguistic analysis for persons with fluent and non-fluent aphasia across discourse types. Poster accepted at American Speech-Language Hearing Association Convention, San Diego, CA (Poster number: 12128, Convention canceled).

Clements, H., Lowe, A., **Kim, H.**, Rothermich K., & Wright, H. H. (November, 2020). Discourse characteristics in Parkinson's disease: Multi-level Approach. Poster accepted at American Speech-Language Hearing Association Convention, San Diego, CA (Poster number: 12080, Convention canceled).

Harris, H., Sharma, S., **Kim, H.**, Haberstroh, A., Wright, H. H., & Rothermich, K. (November, 2020). Eye tracking measures for studying language comprehension deficits in Aphasia: Systematic Review. Poster accepted at American Speech-Language Hearing Association Convention, San Diego, CA (Poster number: 12389, Convention canceled).

Bailey, M., **Kim, H.**, & Wright, H. H. (November, 2019). Function word deficits in Broca's Aphasia and its relation to working memory capacity. Poster presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

Giordano, G., Sabatelli, E., Sharma, S., **Kim, H.**, & Wright, H. H. (November, 2019). Using discourse analyses to identify subtle language deficits. Poster presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

Sharma, S., **Kim, H.**, Wright, H. H., & Rothermich, K. (November, 2019). Advancement of eye tracking methods in aphasia research: a review. Poster presented at American Speech-Language-Hearing Association Convention, Orlando, FL.

Kim, H., Kintz, S., & Wright, H. H. (May, 2019). Development of a core function word set for clinical use. Poster presented at Clinical Aphasiology Conference, Whitefish, MT.

Sharma, S., **Kim, H.**, & Wright, H. H. (May, 2019). Discourse performance in Aphasia: A SEM analyses. Poster presented at Clinical Aphasiology Conference, Whitefish, MT.

Sharma, S., **Kim, H.**, Ellis, C., & Wright, H. H. (February, 2019). Modeling narrative and procedural discourse performance in persons with Aphasia. Poster presented at International Neuropsychological Society, New York City, NY.

Blakney, S., Henderson, A., Sharma, S., **Kim, H.**, & Wright, H. H. (February, 2019). Improving cognitive function in Traumatic Brain Injury: Evidence from Two Treatments. Poster presented at International Neuropsychological Society, New York City, NY.

Kintz, S., **Kim, H.**, & Wright, H. H. (November, 2018). Core lexicon in different elicitation techniques. Poster presented at American Speech-Language-Hearing Association Convention, Boston, MA.

Kim, H., Kintz, S., & Wright, H. H. (September, 2018). Core lexicon production in adults with cognitive impairments. Poster presented at 13th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders, Temple University, Philadelphia, PA.

Rothermich, K., **Kim, H.**, Fammartino, M., & Joergensen, G. (August, 2018). Individual differences in sarcasm perception: behavioral and eye tracking evidence. Poster presented at Society for the Neurobiology of Language, Québec, Canada.

Kim, H., Kintz, S., & Wright, H. H. (May, 2018). Core lexicon production in adults with cognitive impairments. Poster presented at Clinical Aphasiology Conference, Austin, TX.

Sharma, S., **Kim, H.**, Wright, H. H., & Ellis, C. (May, 2018). Racial-ethnic differences in self-reported cognitive decline in older adults. Poster presented at Cognitive Aging Conference, Atlanta, GA.

Kim, H., & Wright, H. H. (May, 2018). Cognition, social engagement, and gender: Impact on discourse. Poster presentation at Cognitive Aging Conference, Atlanta, GA.

Kim, H., & Wright, H. H. (November, 2017). Influence of executive function and social engagement in narrative discourse of persons with aphasia. Flash session presented at American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Kim, H., Kintz, S., & Wright, H. H. (May, 2017). Function words in narrative discourse in aphasia. Poster presented at Clinical Aphasiology Conference, Salt Lake City, UT.

Kim, H., Kintz, S., & Wright, H. H. (May, 2017). Validity and reliability of core lexicon analysis. Poster presented at Clinical Aphasiology Conference, Salt Lake City, UT.

Kim, H., & Ellis, C. (November, 2016). Communication skill training for caregiver of persons with aphasia. Poster presented at American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Kim, H., Kintz, S., & Wright, H. H. (May, 2016). Verbs, nouns, adjectives, and adverbs: the core lexicon in aphasia narratives, Poster presented at Clinical Aphasiology Conference, Charlottesville, VA.

Kim, H., Jeong, J. & Sung J.E. (May, 2015). Relationship between story retelling abilities and working memory capacity in individuals with mild cognitive impairment, Poster presented at Clinical Aphasiology Conference, Monterey, CA.

Kim, H., Jeong, J. & Sung J.E. (April, 2015). Effects of story type on story retelling for individuals with mild cognitive impairment, Poster presented at Korean Dementia Association, Seoul, Korea.

Kim, H., Jeong, J. & Sung J.E. (September, 2014). Concurrent validity of information unit scoring system for individuals with mild cognitive impairment, Poster presented at The Korean Academy of Speech-Language pathology and Audiology Annual Convention, Daegu, Korea.

ADVISING ACTIVITY

Dissertation Committees:

2023 – present Ansley Davis

Student Awards:

2023 Sienna Tyson – Undergraduate Research Scholarship, The Moms Project
 2024 Marcy Edwards – Undergraduate Research Scholarship
 2024 Sarah Alvarez – Undergraduate Research Scholarship, The Moms Project

SERVICE & RELATED ACTIVITIES

2023 – present Member, ASHA Special Interest Group 2 – Neurogenic Communication Disorders
 2022 – present Member, University of South Florida CSD Dept. Space Committee
 2022 – present Member, University of South Florida CSD Dept. Research Committee
 2022 – present Member, Society for functional Near-infrared Spectroscopy
 2022 – present Member, American Academy of Neurology
 2020 – present Member, Society for the Neurobiology of Language
 2019 –2020 Graduate student representative, Copyright Committee, East Carolina University
 2019 – present Member, Academy of Neurologic Communication Disorders and Sciences
 2016 – present Member, American Speech-Language-Hearing Association (ASHA)
 2011 – present Member, Korean Speech-Language-Hearing Association

CERTIFICATION/LICENSURE

2023 Online Instructor Certification
 2015 Graduate Certificate in Quantitative Methods for the Social and Behavioral Sciences
 2013 – present Certification for Korean Speech-Language Pathologist

AD HOC REVIEWER

Aphasiology
 American Journal of Speech-Language Pathology
 Brain and Cognition
 Cortex
 Neurology
 PlosOne
 Journal of Speech, Language, Hearing Research
 Journal of Communication Disorders

Updated 2/2024

<https://www.ncbi.nlm.nih.gov/myncbi/1dKI6AQs0VUEvW/bibliography/public/>