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Department of Communication Sciences and Disorders
Bouvé College of Health Sciences at Northeastern University
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EDUCATION

- 2018 Ph.D. in Speech, Language, & Hearing Sciences
Boston University, Boston, MA
Dissertation: *Structural and effective connectivity of reorganized language networks in aphasia* (Advisor: Swathi Kiran, Ph.D., CCC-SLP)
- 2008 M.S. in Speech, Language, & Hearing Sciences
Purdue University, West Lafayette, Indiana
Thesis: *Maturation of neural indices for processing verb-agreement violations: Evidence from event-related potentials elicited in adolescents and adults* (Advisor: Christine M. Weber, Ph.D., CCC-SLP)
- 2006 B.A. in Communication Sciences and Disorders
Augustana College, Rock Island, Illinois
Thesis: *A detailed analysis of final cluster production skills in subgroups of preschool children with language impairment* (Advisor: Allison M. Haskill, Ph.D., CCC-SLP)

EMPLOYMENT HISTORY & PROFESSIONAL APPOINTMENTS

- Spring 2021 – Assistant Professor, Northeastern University, Department of Communication Sciences and Disorders
- 2018 – 2020 Postdoctoral Research Fellow, Johns Hopkins University, School of Medicine, Stroke Cognitive Outcomes & Recovery Lab (PI: Argye E. Hillis, M.D., M.A.)
- 2017 – 2018 Fellow, Ruth L. Kirschstein National Research Service Award Individual, Predoctoral Fellowship, NIDCD, Boston University (Sponsor: Swathi Kiran, Ph.D., CCC-SLP)
- 2013 – 2017 Graduate Research Assistant, Aphasia Research Laboratory, Boston University (PI: Swathi Kiran, Ph.D., CCC-SLP)
- 2010 – 2013 Speech-Language Pathologist, (formerly) Rehabilitation Institute of Chicago (currently Shirley Ryan AbilityLab) Willowbrook DayRehab, Willowbrook, IL
- 2009 – 2010 Speech-Language Pathologist & Clinical Fellow, Kindred Hospital of Chicago-Northlake, Northlake, IL

AWARDS & HONORS

2023	Recipient, the American Speech-Language-Hearing Association (ASHA) Award for Early Career Contributions in Research
2023	Recipient, Advancing Academic-Research Careers (AARC) Award, ASHA
2023	Selected Fellow, Inaugural Grant-Writing, and Research Opportunities Workshops (GROW) Fellows Program, Northeastern University
2019	Recipient, American Neurological Association Travel Award
2018	Recipient, NIDCD Academy of Aphasia Young Investigator Travel Fellowship
2017	Selected Fellow, ASHA's "Lessons for Success" Conference
2016	Recipient, ASHFoundation New Century Scholars Doctoral Scholarship
2016	Selected Fellow, NIDCD Research Symposium in Clinical Aphasiology Student Fellowship at the 46 th Annual Clinical Aphasiology Conference
2016	Recipient, Sargent College of Health and Rehabilitation Sciences Dean's Award for best poster at the Boston University Graduate Research Symposium
2015	Recipient, Student Research Travel Award for the 2015 ASHA Convention
2015	Selected Fellow, NIDCD Research Symposium in Clinical Aphasiology Student Fellowship at the 45 th Annual Clinical Aphasiology Conference
2013	Recipient, Travel Award through the Boston University Department of Speech, Language & Hearing Sciences Graduate Student Enrichment Fund

PUBLICATIONS

Peer-Reviewed Articles:

**Indicates mentee first author

1. Diedrichs, V. A., **Meier, E. L.**, Osher, D. E., & Harnish, S. M. (currently under review). Semantic and phonological brain networks in older adults: A systematic scoping review. *Neuropsychologia*.
2. Sheppard, S. M., Goldberg, E. B., Sebastian, R., Vitti, E., Ruch, K., **Meier, E. L.**, & Hillis, A. E. (currently under review). Augmenting verb naming therapy with neuromodulation promotes generalization in primary progressive aphasia. *American Journal of Speech-Language Pathology*.
3. Fama, M. E., & **Meier, E. L.** (in press). Picturing better materials: Normative data on a novel illustration set for scientific and clinical use. *American Journal of Speech-Language Pathology*.
4. Angelopoulou, G., Kasselimis, D., Varkanitsa, M., Tsolakopoulos, D., Papageorgiou, G., Velonakis, G., **Meier, E. L.**, Karavasilis, E., Pantolewn, V., Laskaris, N., Kelekis, N., Tountopoulou, A., Vassilopoulou, S., Goutsos, D., Kiran, S., Weiller, C., Rijntjes, M., & Potagas, C. (2024). Investigating silent pauses in connected speech: Integrating linguistic, neuropsychological, and neuroanatomical perspectives across narrative tasks in post-stroke aphasia, *15, Frontiers in Neurology*. DOI: 10.3389/fneur.2024.1347514.

5. **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Berube, S., Goldberg, E., Shea, J., Stein, C. M., & Hillis, A. E. (2023). Resting state correlates of picture description informativeness in left versus right hemisphere chronic stroke. *Frontiers in Neurology*, *14*, 1288801. DOI: 10.3389/fneur.2023.1288801.
6. Hester, J., Le, H., Intille, S., & **Meier, E.** (2023). A feasibility study on the use of audio-based ecological momentary assessment with persons with aphasia. *The 25th International ACM SIGACCESS Conference on Computers and Accessibility*, 1-7. DOI: 10.1145/3597638.3608419.
7. **Meier, E. L.**, Bunker, L. D., 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*. DOI: 10.1089/brain.2022.0065.
8. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., Breining, B. L., Hillis, A. E., & Sebastian, R. (2023). Corticocerebellar white matter integrity is related to naming outcome in post-stroke aphasia. *Neurobiology of Language*, 1-39. DOI: 10.1162/nol_a_00107.
9. Busby, N., Hillis, A. E., Bunker, L., Rorden, C., Newman-Norlund, R., Bonilha, L., **Meier, E.**, Goldberg, E., Hickock, G., Yourganov, G., & Fridriksson, J. (2023). Comparing the brain-behavior relationship in acute and chronic stroke aphasia. *Brain Communications*, *5*(2), 1-14. DOI: 10.1093/braincomms/fcad014.
10. Liu, H., Hsu, J., Xu, X., Kim, N. G., Sheppard, S. M., **Meier, E. L.**, Miller, M., Hillis, A. E., Faria, A. V. (2023). Digital 3D brain MRI arterial territories atlas. *Scientific Data*, *10*(1), 74, DOI: 10.1038/s41597-022-01923-0.
11. Breining, B. L., Faria, A. V., Tippett, D. C., Stockbridge, M. D., **Meier, E. L.**, Caffo, B., Herrmann, O., Friedman, R., Meyer, A. M., Tsapkini, K., & Hillis, A. E. (2023). Association of regional atrophy with naming decline in primary progressive aphasia. *Neurology*. DOI: 10.1212/WNL.0000000000201491.
12. ****Sharif, M.**, Goldberg, E. B., Walker, A., & Hillis, A. E., & **Meier, E. L.** (2022). The contribution of white matter pathology, hypoperfusion, lesion load, and stroke recurrence to language deficits following acute subcortical left hemisphere stroke. *PLOS One*, *17*(10), e0275664. DOI: 10.1371/journal.pone.0275664
13. Braun, E. J., Billot, A., **Meier, E.**, Pan, Y., Kurani, A., Parrish, T., & Kiran, S. (2022). White matter microstructural integrity pre- and post-treatment in individuals with chronic post-stroke aphasia. *Brain and Language*, *232*, 105163. DOI: 10.1016/j.bandl.2022.105163.
14. **Meier, E. L.**, Kelly, C. R., & Hillis, A. E. (2022). Dissociable language and executive control deficits and recovery in post-stroke aphasia: An exploratory observational and case series study. *Neuropsychologia*, *172*, 108270. DOI: 10.1016/j.neuropsychologia.2022.108270.
15. Bunker, L., Walker, A., **Meier, E. L.**, Goldberg, E., Leigh, R., & Hillis, A. E. (2022). FLAIR hyperintense vessels predict variability in right- and left-hemisphere acute ischemic stroke. *NeuroImage: Clinical*, *34*, 102991. DOI: 10.1016/j.nicl.2022.102991.
16. Sheppard, S. M., Goldberg, E. B., Sebastian, R., Walker, A., **Meier, E. L.**, & Hillis, A. E. (2022). Transcranial direct current stimulation paired with verb network strengthening treatment improves verb naming in primary progressive

- aphasia: A case series. *American Journal of Speech-Language Pathology*, 31(4), 1736-1754. DOI: 10.1044/2022_AJSLP-21-00272.
17. Sheppard, S. M., **Meier, E. L.**, Kim, K. T., Breining, B. L., Keator, L. M., Tang, B., Caffo, B., & Hillis, A. E. (2022). Neural correlates of syntactic comprehension: A longitudinal study. *Brain and Language*, 225, 105068. DOI: 10.1016/j.bandl.2021.105068.
 18. **Meier, E. L.**, Kelly, C. R., Goldberg, E. G., & Hillis, A. E. (2022). Executive control deficits and lesion correlates in acute stroke survivors with and without aphasia. *Brain Imaging and Behavior*, 16(2), 868-877. DOI: 10.1007/s11682-021-00580-y.
 19. **Meier, E. L.**, Sheppard, S. M., Goldberg, E. B., Kelly, C. R., Walker, A., Ubellacker, D. M., Ruch, K., Vitti, E., & Hillis, A. E. (2022). Dysfunctional tissue correlates of unrelated naming errors in acute left hemisphere stroke. *Language, Cognition and Neuroscience*, 37(3), 330-347. DOI: 10.1080/23273798.2021.1980593.
 20. Johnson, J. P., **Meier, E. L.**, Pan, Y., & Kiran, S. (2021). Abnormally weak functional connections get stronger in chronic stroke patients who benefit from naming therapy. *Brain and Language*, 223, 105042. DOI: 10.1016/j.bandl.2021.105042.
 21. Sheppard, S. M., **Meier, E. L.**, Durfee, A. Z., Walker, A., Shae, J., & Hillis, A. E. (2021). Characterizing subtypes and neural correlates of receptive aprosodia in acute right hemisphere stroke. *Cortex*, 141, 36-54. DOI: 10.1016/j.cortex.2021.04.003.
 22. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., Breining, B. L., Sebastian, R., & Hillis, A. E. (2021). Thalamic nuclei and thalamocortical pathways after left hemisphere stroke and their role in picture naming. *Brain Connectivity*, 11(7), 553-565. DOI: 10.1089/brain.2020.0831.
 23. Durfee, A. Z., Sheppard, S. M., **Meier, E. L.**, Bunker, L., Ciu, E., Crainiceanu, C., & Hillis, A. E. (2021). Explicit training to improve affective prosody recognition in adults with acute right hemisphere stroke. *Brain Sciences*, 11(5), 667. DOI: 10.3390/brainsci11050667.
 24. Breining, B. L., Faria, A. V., Caffo, B., **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Tippett, D. C., Hillis, A. E. (2021). Neural regions underlying object and action naming: Complementary evidence from acute stroke and primary progressive aphasia. *Aphasiology*, 36(6), 732-760. DOI: 10.1080/02687038.2021.1907291.
 25. **Goldberg, E. B., **Meier, E. L.**, Sheppard, S. M., Breining, B. L., & Hillis, A. E. (2021). Stroke recurrence and its relationship with language abilities. *Journal of Speech, Language, and Hearing Research*, 64(5), 2022-2037. DOI: 10.1044/2021_JSLHR-20-00347.
 26. **Meier, E. L.**, Sheppard, S. M., Goldberg, E. G., Head, C. R., Ubellacker, D. M., Walker, A., & Hillis, A. E. (2020). Naming errors and dysfunctional tissue metrics predict language recovery after acute left hemisphere stroke. *Neuropsychologia*, 148, 107651. DOI: 10.1016/j.neuropsychologia.2020.107651.
 27. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., & Hillis, A. E. (2020). The role of microstructural integrity of major language pathways in narrative speech in the

- first year after stroke. *Journal of Stroke and Cerebrovascular Diseases*, 29(9), 105078. DOI: 10.1016/j.jstrokecerebrovasdis.2020.105078.
28. **Meier, E. L.**, Breining, B. L., Sheppard, S. M., Goldberg, E. B., Tippett, D. C., Tsapkini, K., Faria, A. V., & Hillis, A. E. (2020). White matter hyperintensities independently contribute to language deficits in primary progressive aphasia. *Cognitive and Behavioral Neurology*, 33(3), 179-191. DOI: 10.1097/WNN.0000000000000237.
 29. Keator, L. M., Faria, A. V., Kim, K. T., Saxena, S., Wright, A. E., Sheppard, S. M., Breining, B. L., Goldberg, E., Tippett, D. C., **Meier, E.**, & Hillis, A. E. (2020). An efficient bedside measure yields prognostic implications for acute stroke patients. *Cognitive and Behavioral Neurology*, 33(3), 192-200. DOI: 10.1097/WNN.0000000000000238.
 30. Johnson, J. P., **Meier, E. L.**, Pan, Y., & Kiran, S. (2020). Pre-treatment graph measures of a functional semantic network are associated with naming therapy outcomes in chronic aphasia. *Brain and Language*, 207, 104809. DOI: 10.1016/j.bandl.2020.104809.
 31. Angelopoulou, G., **Meier, E.**, Kasselimis, D...Potagas, C., & Kiran, S. (2020). Grey and white matter structural substrates of sex differences in the narrative abilities of healthy adults. *Front. Hum. Neurosci*, 13, 1424. DOI: 10.3389/fnins.2019.01424.
 32. Gilmore, N., **Meier, E. L.**, Johnson, J. P., & Kiran, S. (2020). Typicality-based semantic treatment for anomia results in multiple levels of generalisation. *Neuropsychological rehabilitation*, 30(5), 802-828. DOI: 10.1080/09602011.2018.1499533.
 33. Tippett, D. C., Breining, B. Goldberg, E., **Meier, E.**, Sheppard, S. M., Sherry, E., Stockbridge, M., Suarez, A., Wright, A. E., & Hillis, A. E. (2019). Visuomotor figure construction and visual figure delayed recall and recognition in primary progressive aphasia. *Aphasiology*, 34(12), 1456-1470. DOI: 10.1080/02687038.2019.1670330.
 34. Kiran, S., **Meier, E. L.**, & Johnson, J. P. (2019). Neuroplasticity in aphasia: A proposed framework of language recovery. *Journal of Speech, Language, and Hearing Research*, 62(11), 3973-3985. DOI: 10.1044/2019_JSLHR-L-RSNP-19-0054.
 35. Johnson, J. P., **Meier, E. L.**, Pan, Y., & Kiran, S. (2019). Treatment-related changes in neural activation vary according to treatment response and extent of spared tissue in patients with chronic aphasia. *Cortex*, 121, 147-168. DOI: 10.1016/j.cortex.2019.08.016.
 36. **Meier, E. L.**, Johnson, J. P., Pan, Y., & Kiran, S. (2019). A lesion and connectivity-based hierarchical model of chronic aphasia recovery dissociates subgroups of patients and healthy controls. *NeuroImage: Clinical*, 23, 101919. DOI: 10.1016/j.nicl.2019.101919.
 37. **Meier, E. L.**, Johnson, J. P., Pan, Y., & Kiran, S. (2019). The utility of lesion classification in predicting language and treatment outcomes in chronic stroke-induced aphasia. *Brain Imaging and Behavior*. 13(6), 1510-1525. DOI: 10.1007/s11682-019-00118-3.

38. Gilmore, N., **Meier, E. L.**, Johnson, J. P., & Kiran, S. (2019). Nonlinguistic cognitive factors predict treatment-induced recovery in chronic poststroke aphasia. *Archives of Physical Medicine and Rehabilitation*, *100*(7), 1251-1258. DOI: 10.1016/j.apmr.2018.12.024.
39. **Meier, E. L.**, Johnson, J. P., & Kiran, S. (2018). Left frontotemporal effective connectivity during semantic feature judgments in patients with aphasia and age-matched healthy controls. *Cortex*, *108*, 173-192. DOI: 10.1016/j.cortex.2018.08.006
40. **Meier, E. L.**, Johnson, J. P., Villard, S. & Kiran, S. (2017). Does naming therapy make ordering in a restaurant easier?: Dynamics of co-occurring change in cognitive-linguistic and functional communication skills in aphasia. *American Journal of Speech-Language Pathology*, *26*(2), 266-280. DOI: 10.1044/2016_AJSLP-16-0028.
41. **Meier, E. L.**, Kapse, K. J., & Kiran, S. (2016). The relationship between frontotemporal effective connectivity during picture naming, behavior, and preserved cortical tissue in chronic aphasia. *Front. Hum. Neurosci.*, *10*, 109. DOI: 10.3389/fnhum.2016.00109.
42. **Meier, E. L.**, Lo, M., & Kiran, S. (2016). Understanding semantic and phonological processing deficits in adults with aphasia: Effects of category and typicality. *Aphasiology*, *30*(6), 719-749. DOI: 10.1080/02687038.2015.1081137.
43. Kiran, S., **Meier, E.**, Kapse, K., & Glynn, P. (2015). Changes in task-based effective connectivity in language networks following rehabilitation in post-stroke patients with aphasia. *Front. Hum. Neurosci.*, *9*, 316. DOI: 10.3389/fnhum.2015.00316.

Book Chapters:

1. Sandberg, C. W., & **Meier, E. L.** (under review). Recent developments in psycholinguistic and neurolinguistics through the lens of aphasia. In E. Andrews & S. Kiran (Eds.), *The Cambridge Handbook of Language and Brain*. Cambridge University Press.
2. **Meier, E. L.**, & Johnson, J.P. (2023). Neuroimaging in medical speech-language pathology. In A. F. Johnson & B. H. Jacobson (Eds.), *Medical Speech-Language Pathology Across the Care Continuum: An Introduction*, 1st ed. Plural Publishing, Inc.
3. **Meier, E. L.** (2022). The role of disrupted functional connectivity in aphasia. In A. E. Hillis & Fridriksson, J. (Eds.), *Handbook of Clinical Neurology*, Elsevier, *185*, 99-119. DOI: 10.1016/B978-0-12-823384-9.00005-0.
4. **Meier, E. L.**, Sebastian, R., & Hillis, A. E. (2022). Post-stroke and progressive aphasias. In S. E. MacPherson (Ed.), *Encyclopedia of Behavioral Neuroscience* 2e. Elsevier, 493-501.

Peer-Reviewed Published Abstracts:

**Indicates mentee first author

1. Bunker, L., Kim, H., **Meier, E.**, & Hillis, A. (2022). Variable picture naming activation patterns in post-stroke aphasia (S17.006). *Neurology*, *98*(18 Supplement), 3052. DOI: 10.1212/WNL.98.18_supplement.3052.
2. Kim, H., Bunker, L., **Meier, E.**, & Hillis, A. (2022). Discourse comprehension in healthy adults and individuals with acute aphasia: An fNIRS study (P3-6.002).

- Neurology*, 98(18 Supplement), 2952. DOI: 10.1212/WNL.98.18_supplement.2952.
3. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., Breining, B. L., Sebastian, R., & Hillis, A. E. (2021). Wernicke's vertical occipital fasciculus in post-stroke reading. *Stroke*, 52(Suppl_1), AP356. DOI: 10.1161/str.52.suppl_1.P356Stroke.2021;52:AP356.
 4. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., Sebastian, R., & Hillis, A. E. (2020). Diffusion tensor imaging profiles of thalamic nuclei and thalamocortical pathways and their role in naming after stroke. *Annals of Neurology*, 88, S94-S94.
 5. Walker, A., Bunker, L., Leigh, R., **Meier, E.**, Goldberg, E., & Hillis, A. (2020). FLAIR hyperintense vessel rating to predict penumbra in acute stroke. *Annals of Neurology*, 88, S74-S74.
 6. **Patel, S., **Meier, E.**, Faria, A., & Hillis, A. (2020). A comparison of automated and manually-segmented white matter lesions in primary progressive aphasia. *Neurology*, 94(15 Supplement).
 7. **Sharif, M., **Meier, E.**, Hillis, A. (2020). The contribution of white matter pathology to language deficits following acute subcortical left hemisphere stroke. *Stroke*, 51(Suppl_1), ATP67-ATP67.
 8. **Meier, E. L.**, Breining, B. L., Sheppard, S. M., Goldberg, E. B., Faria, A. V., & Hillis, A. E. (2019). Comparison of qualitative and quantitative measures of leukoaraiosis in primary progressive aphasia. *Annals of Neurology*, 86, S155-S155.
 9. Gilmore, N., Johnson, J. P., **Meier, E. L.**, & Kiran, S. (2018). Investigating the relationship between language and cognition in persons with aphasia as a function of a semantic-based naming therapy. *Aphasiology*, 32(sup1), 72-73.
 10. Angelopoulou, G., Kiran, S., Kasselimis, M., Varkanitsa, M., **Meier, E.**, Pan, Y... & Potagas, C. (2018). Unsuccessful word retrieval in stroke patients with aphasia – Cross-linguistic evidence from connected speech. *Cerebrovascular Diseases*, 45, 152-153.
 11. Johnson, J., **Meier, E.**, Gilmore, N., Des Roches, C., & Kiran, S. (2017). Predicting gains from aphasia rehabilitation using measures of language and cognition. *Archives of Physical Medicine and Rehabilitation*, 98, e15-e16.

PEER-REVIEWED ORAL PRESENTATIONS

International Meetings:

**Indicates student/mentee author

1. Sheppard, S., Goldberg, E., Sebastian, R., Vitti, E., Ruch, K., **Meier, E.**, & Hillis, A. (2024, May). *Augmenting verb naming therapy with transcranial direct current stimulation in primary progressive aphasia*. Oral presentation at the 53rd Annual Clinical Aphasiology Conference, Waikoloa Beach, HI, USA.
2. Xu, E., Vanegas, M., McCann, A., Mireles, M., Nguyen, M., **Meier, E.**, Stefanik, J., & Fang, Q. (2024, April). *A multi-faceted approach to naturalistic functional neuromonitoring through a fully-flexible and ultra-lightweight fNIRS platform with real-time 3-D awareness*. Presentation at the Optica Biophotonics Congress: Biomedical Optics 2024, Fort Lauderdale, FL, USA.

3. Hester, J., Le, H., Intille, S., & **Meier, E.** (2023, October). *A feasibility study on the use of audio-based ecological momentary assessment with persons with aphasia*. Oral presentation at the 2023 ACM SIGASSETS Conference on Computers and Accessibility, New York, NY, USA.
4. **Meier, E. L.**, Hester, J., Le, H., Ugent, L., **Reilly, A., **Mitchell, N., & Intille, S. (2023, May). *Ecological momentary assessment in post-stroke aphasia: Pitfalls and promise*. Roundtable at the 52nd Annual Clinical Aphasiology Conference, Atlantic City, NJ, USA.
5. Hamilton, T., Rische, K., McKiernan, S., DiCarlo, J., Goedeken, S., Ingram, T., Friesen, C., **Meier, E.**, Young, M., & Lin, D. (2022, November). *Combining portable functional near-infrared spectroscopy (fNIRS) and an intensive telerehabilitation program to augment upper extremity motor recovery after stroke*. Oral presentation at the SWAN 2022 conference.
6. **Schwartz, A., & **Meier, E. L.** (2022, October). *The neural correlates of metaphor: An fNIRS study*. Poster blitz presentation at the fNIRS 2022 Conference, Boston, MA, USA.
7. **Meier, E. L.**, Kelly, C., & Hillis, A. E. (2022, May). *A double dissociation between longitudinal language and executive control deficit recovery in post-stroke aphasia*. Oral presentation at the 51st Annual Clinical Aphasiology Conference, Wrightsville Beach, NC, USA.
8. **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Goldberg, E. B., Shea, J., Stein, C. M., & Hillis, A. E. (2021, May). *Associations between resting state functional connectivity and picture description measures in left versus right hemisphere chronic stroke*. Oral presentation at the 50th Annual Clinical Aphasiology Conference, virtual meeting.
9. Sheppard, S.M., Walker, A., **Meier, E.**, Shae, J., Goldberg, E. & Hillis, A. E. (2021, May). *Characterizing the neural correlates and nature of receptive emotional aprosodia in acute right hemisphere stroke*. Oral presentation at the 50th Annual Clinical Aphasiology Conference, virtual meeting.
10. Sebastian, R., Brenowitz, Kim, J. H., **Meier, E.**, Sheppard, S., & Hillis, A. (2021, May). *Functional connectivity of the right cerebellum to left frontal cortex predicts naming improvement*. Oral presentation at the 50th Annual Clinical Aphasiology Conference, virtual meeting.
11. **Goldberg, E. B., **Meier, E. L.**, Breining, B. L., Sheppard, S. M., & Hills, A. E. (2019, May). *Stroke recurrence and its relationship with acute language abilities: A retrospective study*. Oral presentation at the 49th Annual Clinical Aphasiology Conference, Whitefish, MT, USA.
12. **Meier, E. L.**, Breining, B. L., Sheppard, S. M., Goldberg, E. B., Faria, A. V., & Hillis, A. E. (2019, May). *Ventricular enlargement predicts naming in primary progressive aphasia independent of cortical atrophy*. Oral presentation at the 49th Annual Clinical Aphasiology Conference, Whitefish, MT, USA.
13. **Meier, E. L.**, Johnson, J. P. Pan, Y., & Kiran, S. (2018, October). *The utility of lesion classification models in predicting language abilities and treatment outcomes in persons with aphasia*. Oral presentation at the 56th Meeting of the Academy of Aphasia, Montréal, Canada.

14. **Meier, E. L.**, Pan, Y., Higgins, J., Kurani, A., Parrish, T., Thompson, C. K., & Kiran, S. (2018, May). *Structural predictors of naming therapy outcomes in persons with aphasia*. Oral presentation at the 48th Annual Clinical Aphasiology Conference, Austin, TX, USA.
15. Gilmore, N., Johnson, J. P., **Meier, E. L.**, Des Roches, C. D., & Kiran, S. (2017, November). *The multidimensional nature of aphasia: Using factors beyond language to predict treatment outcomes*. Oral presentation at the 55th Annual Meeting of the Academy of Aphasia, Baltimore, MD, USA.
16. Gilmore, N., **Meier, E.**, Johnson, J., Cardullo, S., & Kiran, S. (2016, December). *Treatment and generalization effects of training atypical exemplars of well-defined categories for patients with chronic aphasia*. Oral presentation at the 2016 International Aphasia Rehabilitation Conference, London, England, United Kingdom.
17. **Meier, E. L.**, Johnson, J. P., Villard, S., & Kiran, S. (2016, May). *Does naming therapy make ordering in a restaurant easier?: Dynamics of co-occurring change in cognitive-linguistic and functional communication skills in aphasia*. Oral presentation at the 46th Annual Clinical Aphasiology Conference, Charlottesville, VA, USA.
18. Johnson, J. P., **Meier, E. L.**, Caplan, D., & Kiran, S. (2016, May). *Effects of semantic feature-based naming therapy on anatomical and functional regions of interest in people with aphasia*. Oral presentation at the 46th Annual Clinical Aphasiology Conference, Charlottesville, VA, USA.

National Meetings:

**Indicates student/mentee author

1. **Meier, E. L.**, **Schwartzman, S., **Goodnow, M., & Fama, M. E. (2023, November). *Picturing better materials: Normative data on a novel illustration set for scientific and clinical use*. Oral presentation at the 2023 Annual Convention of the American Speech-Language-Hearing Association, Boston, MA, USA.
2. Prael, A., **Meier, E.**, Pratt, A., Qi, Z., Smith, S. (2023, November). *How to land your first independent grant: Perspectives of early career researchers*. Oral presentation at the 2023 Annual Convention of the American Speech-Language-Hearing Association, Boston, MA, USA.
3. Sheppard, S. M., Kajfez, S., **Contreras, C., & **Meier, E. L.** (2023, November). *The extent of gender imbalance in citation practices in communication sciences and disorders*. Oral presentation at the 2022 Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA, USA.
4. **Meier, E. L.**, Yehuda, L., **Terkildsen, C., **Karthikvatsan, S., Sheppard, S. M. (2022, November). *Public knowledge of stroke warning signs and long-term speech language consequences*. Oral presentation at the 2022 Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA, USA.
5. Rische, K., Hamilton, T., McKiernan, S., DiCarlo, J., Ingram, T., Friesen, C., **Meier, E.**, Young, M., & Lin, D. (2022, September). Novel clinical trial of portable near-infrared spectroscopy-based (fNIRS) brain computer interface to augment upper extremity motor recovery after stroke. Oral presentation at the 2022 MR3 Network Scientific Retreat, virtual meeting.

6. Bunker, L. D., Kim, H., **Meier, E. L.**, & Hillis, A. E. (2022, April). *Variable picture naming activation patterns in post-stroke aphasia*. Oral presentation at the 2022 Annual Meeting of the American Academy of Neurology, Seattle, WA, USA.
7. **Meier, E.**, Head, C., Goldberg, E., & Hillis, A. (2021, November). *Nonlinguistic cognitive skills in acute stroke survivors with and without aphasia*. Oral presentation at the 2021 Annual Convention of the American Speech-Language-Hearing Association, Washington D. C., USA.
8. **Goldberg, E., **Meier, E.**, Sheppard, S., Breining, B., Walker, A., & Hillis, A. (2021, November). *Stroke recurrence and its influence on spoken output following acute left or right hemisphere stroke*. Oral presentation at the 2021 Annual Convention of the American Speech-Language-Hearing Association, Washington D. C., USA.
9. Sheppard, S.M., Shea, J., Tippet, D., Walker, A., Durfee, A., **Meier, E.**, & Hillis, A. (2021, November). *Emotional prosody deficits in primary progressive aphasia and other forms of dementia*. Oral presentation at the 2021 Annual Convention of the American Speech-Language-Hearing Association, Washington D. C., USA.
10. **Meier, E.**, Sheppard, S., Head, C., Woo, A., Ubellacker, D., & Hillis, A. (2020, November). Proposal number: 12942. *Evolution and stability of naming errors during the first year of left hemisphere stroke recovery*. Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
11. Shannon, S., Shae, J., Tippet, D., Walker, A., Durfee, A., **Meier, E.**, & Hillis, A. (2020, November). Proposal number: 13205. *Prevalence of emotional prosody deficits in individuals with dementia*. Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
12. Shannon, S., Walker, A., Shae, J., Durfee, A., Goldberg, E., **Meier, E.**, Hillis, & A., Patel, S. (2020, November). Proposal number: 12966. *Improving expressive aprosodia at acute and chronic stages of right hemisphere stroke*. Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
13. Durfee, A., Sheppard, S., Goldberg, E., **Meier, E.**, Cui, E., Crainiceanu, C., & Hillis, A. (2020, November). Proposal number: 12506. *Recovery of affective prosody recognition following right hemisphere stroke: Behavioral and demographic characteristics*. Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
14. **Goldberg, E., **Meier, E.**, Sheppard, S., Breining, B., Walker, A., & Hillis, A. (2020, November). Proposal number: 10872. *Stroke recurrence and its influence on spoken output following acute left or right hemisphere stroke*. Proposal accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
15. Berube, S., **Meier, E.**, Bunker, L., Goldberg, E., Ubellacker, D., Walker, A., Stein, C., & Hillis, A. (2020, November). Proposal number: 10052. *The modern Cookie Theft picture description: An efficient clinical assessment of discourse*. Proposal

- accepted at the 2020 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
16. Fama, M., Basilakos, A., **Meier, E.**, & Piseigna, J. (2019, November). *Now what? Choosing your next steps after earning a PhD*. Oral presentation at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL, USA.
 17. **Goldberg, E. B., **Meier, E. L.**, Breining, B. L., Sheppard, S. M., & Hills, A. E. (2019, November). *Stroke recurrence and its relationship with acute and chronic language abilities: A retrospective study*. Oral presentation at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL, USA.
 18. **Meier, E. L.**, Johnson, J. P., & Kiran, S. (2017, November). *A clinician's guide to neuroimaging techniques for acquired brain injury*. Oral presentation at the 2017 American Speech-Language-Hearing Association Convention, Los Angeles, CA, USA.
 19. Johnson, J. P., Des Roches, C. D., **Meier, E. L.**, Gilmore, N., & Kiran, S. (2017, November). *The multidimensional nature of aphasia: Predicting and documenting treatment outcomes with linguistic and cognitive measures*. Oral presentation at the 2017 American Speech-Language-Hearing Association Convention, Los Angeles, CA, USA.
 20. Johnson, J. P., **Meier, E. L.**, Gilmore, N., Des Roches, C. D., & Kiran, S. (2017, October). *Predicting gains from aphasia rehabilitation using measures of language and cognition*. Oral presentation at the ACRM 94th Annual Conference, Progress in Rehabilitation Medicine, Atlanta, GA, USA.
 21. **Meier, E.**, Villard, S., Johnson, J., & Kiran, S. (2015, November). *Does naming therapy make ordering in a restaurant easier?: Impairment versus function in aphasia*. Oral presentation at the 2015 American Speech Language-Hearing Association Convention, Denver, CO, USA.

PEER-REVIEWED POSTER PRESENTATIONS

International Meetings:

**Indicates student/mentee author

1. **Meier, E. L.**, Hester, J., Le, H., **Mitchell, N., **Phan, H., Ugent, L., & Intille, S. (2024, May). *Word Retrieval in the Wild: Feasibility of Ecological Momentary Assessment of Naming in People with Post-Stroke Aphasia and Neurologically Healthy Adults*. Poster presentation at the 53rd Annual Clinical Aphasiology Conference, Waikoloa Beach, HI, USA.
2. **Meier, E.**, Wei, G., Nguyen, M., Xu, E., **Haskell, G., Ugent, L., Stefanik, J., & Fang, Q. (2023, October). *It takes two: Preliminary findings of dual-task imaging using two functional Near-Infrared Spectroscopy systems in younger and older healthy adults*. Sandbox poster presentation at the 15th Annual Meeting of the Society for the Neurobiology of Language, Marseille, France.
3. **Schwartz, A., & **Meier, E. L.** (2023, October). *The neural correlates of metaphor: An fNIRS study*. Poster presentation at the 15th Annual Meeting of the Society for the Neurobiology of Language, Marseille, France.
4. Diedrichs, V. A., **Meier, E. L.**, & Harnish, S. M. (2023, October). *Semantic and phonological networks in older adults: A systematic scoping review*. Poster

- presentation at the 15th Annual Meeting of the Society for the Neurobiology of Language, Marseille, France.
5. Bunker, L. D., **Meier, E. L.**, Kim, H., Zezinka Durfee, A., & Hillis, A. E. (2023, October). *Changes in activation and functional connectivity in subacute aphasia following treatment: An fNIRS case series investigation*. Poster presentation at the 61st Annual Meeting of the Academy of Aphasia, Reading, England.
 6. ****Schwartz, A., & Meier, E. L.** (2022, October). *The neural correlates of metaphor: An fNIRS study*. Poster presentation at the fNIRS 2022 Conference, Boston, MA, USA.
 7. Kim, H., Bunker, L., **Meier, E.**, & Hillis, A. E. (2022, October). *Investigating discourse comprehension in individuals with and without acute aphasia: An fNIRS pilot study*. Poster presentation at the fNIRS 2022 Conference, Boston, MA, USA.
 8. **Meier, E. L.**, Bunker, L., Kim, H., & Hillis, A. E. (2022, June). *Resting state connectivity in acute vs. subacute left hemisphere stroke: An fNIRS pilot study*. Poster presentation at the 28th Annual Meeting of the Organization for Human Brain Mapping, hybrid meeting with remote attendance, Glasgow, Scotland.
 9. Sheppard, S. M., Goldberg, E. B., Sebastian, R., **Meier, E. L.**, & Hillis, A. E. (2022, May). *Transcranial direct current stimulation of inferior frontal gyrus plus verb therapy improves naming in primary progressive aphasia (PPA)*. Poster presentation at the 51st Annual Clinical Aphasiology Conference, Wrightsville Beach, NC, USA.
 10. **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Goldberg, E. B., Shea, J., Stein, C. M., & Hillis, A. E. (2021, June). *Resting state correlates of picture description in left versus right hemisphere chronic stroke*. Poster presentation at the 27th Annual Meeting of the Organization for Human Brain Mapping, virtual meeting.
 11. ****Goldberg, E., Meier, E.**, Sheppard, S., Walker, A., Breining, B., & Hillis, E. (2021, May). *Stroke recurrence and its influence on spoken output following acute left or right hemisphere stroke*. Poster presentation at the 50th Annual Clinical Aphasiology Conference, virtual meeting.
 12. **Meier, E. L.**, Sheppard, S. M., Goldberg, E. B., Head, C. R., Woo, A., Ubellacker, D. M., Walker, A., & Hillis, A. E. (2020, October). Associations between naming errors, dysfunctional tissue and longitudinal language recovery after left hemisphere stroke. Poster presented at the 58th Annual Meeting of the Academy of Aphasia, virtual conference.
 13. Sebastian, R., Brenowitz, R., Kim, J., **Meier, E. L.**, Sheppard, S. M., & Hillis, A. E. (2020, October). Baseline functional connectivity predicts cerebellar tDCS treatment response. Poster presented at the 58th Annual Meeting of the Academy of Aphasia, virtual conference.
 14. Sheppard, S. M., Shea, J., Fabian, R., Zhao, Z., Durfee, A. Z., **Meier, E. L.**, Patel, S., Glenn, S., & Hillis, A. E. (2020, October). Prosodic acoustic features in mild cognitive impairment and primary progressive aphasia. Poster presented at the 58th Annual Meeting of the Academy of Aphasia, virtual conference.
 15. ****Sharif, M. S., Meier, E. L.**, Goldberg, E. B., Walker, A., & Hillis, A. E. (2020, October). *The contribution of white matter pathology, hypoperfusion, and stroke recurrence to language deficits following acute subcortical left hemisphere*

- stroke*. Poster presented at the 12th Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
16. Durfee, A. Z., Sheppard, S. M., **Meier, E. L.**, Bunker, L., Crainiceanu, C., & Hillis, A. E. (2020, October). *Lesion correlates of emotional prosody recognition impairments in acute right hemisphere stroke*. Poster presented at the 12th Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
 17. Breining, B. L., Faria, A. V., Tippett, D. C., Stockbridge, M. D., **Meier, E. L.**, Hermann, O., Afthinos, A., Meyer, A. M., Tsapkini, K., & Hillis, A. E. (2020, October). *Regional atrophy predicts change in naming performance in primary progressive aphasia: A longitudinal study*. Poster presented at the 12th Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
 18. Bunker, L., Walker, A., Leigh, R., **Meier, E.**, Goldberg, E., Breining, B. L., Stein, C. M., Ubellacker, D. M., & Hillis, A. E. (2020, October). *Utility of estimated hypoperfusion in predicting naming performance post stroke*. Poster presented at the 12th Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
 19. **Meier, E. L.**, Crinion, J. T., Cebron, S., Chow, M., Faria, A. V., Hillis, A. E., & Ratnanather, T. (2019, June). *Labeled cortical distance mapping reveals temporal lobe morphometry in primary progressive aphasia*. Poster presentation at the 25th Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy.
 20. **Meier, E. L.**, Johnson, J. P., Pan, Y., & Kiran, S. (2018, August). *Beyond left hemisphere versus right hemisphere in aphasic language recovery: Evidence from effective connectivity during lexical-semantic processing*. Poster presentation at the 10th Annual Meeting of the Society for the Neurobiology of Language, Québec City, Canada.
 21. **Meier, E. L.**, Johnson, J. P., Pan, Y., Kurani, A., Higgins, J., Parrish, T., Thompson, C. K., & Kiran, S. (2018, March). *Multimodal structural predictors of naming therapy outcomes in persons with aphasia*. Poster presentation at the 2018 Annual Meeting of the Cognitive Neuroscience Society, Boston, MA, USA.
 22. **Meier, E. L.** & Kiran, S. (2017, November). *Left hemisphere frontotemporal effective connectivity during semantic feature judgments: Differences between patients with aphasia and healthy controls*. Poster presentation at the 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.
 23. **Meier, E. L.**, Johnson, J. P., Geng, Y., Kurani, A., Higgins, J., Parrish, T., Thompson, C. K., & Kiran, S. (2017, November). *White matter matters in the recovery of language in post-stroke aphasia*. Poster presentation at the 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.
 24. Chaturvedi, S., Johnson, J. P., **Meier, E. L.**, Geng, Y., & Kiran, S. (2017, November). *Changes in neural activity during a semantic verification task as a result of treatment in persons with aphasia*. Poster presentation at the 9th Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, USA.
 25. Gilmore, N., **Meier, E.**, Johnson, J., Cardullo, S., & Kiran, S. (2017, May). *Treatment and generalization effects of training atypical exemplars of semantic*

- categories for patients with chronic aphasia*. Poster presentation at the 47th Annual Clinical Aphasiology Conference, Snowbird, UT, USA.
26. ****Buckshaw, R., Meier, E. L., & Kiran, S.** (2017, March). *Effective connectivity of aphasic bilingual semantic processing*. Poster presentation at the 2017 Cognitive Neuroscience Society Annual meeting, San Francisco, CA, USA.
 27. **Meier, E. L., & Kiran, S.** (2016, October). *Frontotemporal effective connectivity during semantic feature judgments in patients with aphasia versus healthy controls*. Poster presentation at the 54th Annual Meeting of the Academy of Aphasia, Llandudno, Wales, United Kingdom.
 28. Johnson, J. P., **Meier, E. L.**, Caplan, D., & Kiran, S. (2016, June). *Treatment-induced changes in anatomical and functional regions of interest in people with aphasia*. Poster presentation at the 22nd Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland.
 29. **Meier, E.**, Kapse, K., & Kiran, S. (2015, October). *Effective connectivity of the naming network in post-stroke chronic aphasia*. Poster presentation at the 7th Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL, USA.
 30. Kiran, S., Kapse, K., Johnson, J., Martin, K., & **Meier, E.** (2015, June). *Task based reorganization of function after rehabilitation in post-stroke aphasia*. Poster presentation at the 21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, USA.
 31. Kiran, S., Kapse, K., & **Meier, E.** (2015, June). *Effective connectivity analysis of language networks in healthy adults and in chronic aphasia*. Poster presentation at the 21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, USA.
 32. **Meier, E.**, Lo, M., & Kiran, S. (2015, May). *Understanding semantic and phonological processing deficits in adults with aphasia: Effects of category and typicality*. Poster presentation at the 45th Annual Clinical Aphasiology Conference, Monterey, CA, USA.

National Meetings:

******Indicates student/mentee author

1. Kim, H., Bunker, L. D., **Meier, E. L.**, & Hillis, A. E. (2022, April). *Discourse comprehension in healthy adults and individuals with acute aphasia: An fNIRS study*. Poster presentation at the 2022 Annual Meeting of the American Academy of Neurology, Seattle, WA, USA.
2. **Meier, E. L.**, Breining, B. L., Sheppard, S. M., Goldberg, E. B., Faria, A. V., & Hillis, A. E. (2019, October). *Comparison of qualitative and quantitative measures of leukoariosis in primary progressive aphasia*. Poster presentation at the 144th Annual Meeting of the American Neurological Association, St. Louis, MO, USA.
3. Kiran, S., Kapse, K., & **Meier, E.** (2015, June). *Effective connectivity analysis of language networks in healthy adults and in chronic aphasia*. Poster presentation at NeuroHAM, Boston, MA, USA.

LOCAL PRESENTATIONS (Not Peer-Reviewed)

******Indicates student/mentee author

1. **White, L., & Meier, E. L. (2024, April). *Naming in noise*. Poster presentation at the Northeastern University RISE Expo, Boston, MA.
2. **Ravikumar, D., & Meier, E. L. (2024, April). *Optimizing and standardizing quality assessment of functional near-infrared spectroscopy data*. Poster presentation at the Northeastern University RISE Expo, Boston, MA.
3. **Schwartz, A., **Ravikumar, D., & Meier, E. L. (2023, April). *The neural correlates of novel versus familiar metaphor processing: A functional near-infrared spectroscopy study*. Poster presentation at the Northeastern University RISE Expo, Boston, MA.
4. **Van, E., Wei, G., & Meier, E. L. (2023, April). *The neural correlates of story listen and retell in neurologically healthy young adults: A functional near-infrared spectroscopy pilot study*. Poster presentation at the Northeastern University RISE Expo, Boston, MA.
5. Meier, E. L. (2022, September). *Word retrieval in the wild: Ecological momentary assessment of naming in people with post-stroke aphasia and age-matched controls*. IdeaLab presentation through the ShirleyRyan Ability Lab Center for Smart Use of Technologies to Assess Real World Outcomes (C-STAR), via Zoom.
6. Meier, E. L. (2021, November). *Predictors of speech-language therapy response in stroke survivors with aphasia*. Northeastern University Pathways to STEM program, via Zoom.
7. Meier, E. L. (2017, May). *The effect of task demands on frontotemporal connectivity during lexical-semantic processing in post-stroke aphasia*. Lightening talk at the MIT BCS Workshop: “The relationship between executive functions and language processing”, Cambridge, MA.
8. Meier, E. L. (2017, April). *Frontotemporal connectivity during lexical-semantic processing in chronic post-stroke aphasia*. Lightening talk at the Language Processing and Recovery in Aphasia Symposium, Boston, MA.
9. Meier, E. L. (2016, September). *Frontotemporal effective connectivity during semantic feature judgments in persons with aphasia*. Student speaker at the Aphasia Research Laboratory Mini Fall Symposium, Boston, MA.

INVITED PRESENTATIONS (Not Peer-Reviewed)

1. Meier, E. & Prah, A. (2023, November). *First steps to funding your research*. Invited roundtable at the 2023 Annual Convention of the American Speech-Language-Hearing Association, Boston, MA, USA.
2. ASHA Special Interest Group (SIG) 2. (2023, October). *Patient-centered perspectives on cognitive rehabilitation: A moderated case discussion*. Invited panelist to the SIG 2-hosted professional development hour, via Zoom.
3. Meier, E. L. (2023, August). *Understanding aphasia recovery through functional near-infrared spectroscopy*. Invited speaker for the Center for the Study of Aphasia Recovery 2023-2024 Lecture Series, Columbia, SC, USA.
4. Meier, E., Fama, M., Keator, L., & Sheppard, S. (2023, January). *Roads to research: Tips for deciding whether, when, and how to get involved in research*.

- Invited panelist on the University of Pittsburgh “Research Unpacked” podcast, Neurogenic Cx Disorders Series, [Season 3, Episode 5](#), via Zoom.
5. **Meier, E. L.** (2021, February). *Longitudinal neural correlates of naming recovery in post-stroke aphasia*. Invited speaker for the Northeastern University School of Clinical and Rehabilitation Sciences Rehabilitation Spotlight Lunch Lecture, via Zoom.
 6. **Meier, E. L.**, Kiran, S., Kurani, A., Higgins, J., Parrish, T., Rapp, B., Caplan, D., & Thompson, C. K. (2018, May). *Changes in white matter integrity following sentence processing, naming and spelling treatment for patients with chronic aphasia*. Invited speaker for the Research Symposium in Clinical Aphasiology (RSCA) at the 48th Annual Clinical Aphasiology Conference, Austin, TX, USA.
 7. **Meier, E. L.** (2017, October). *A Sargent PhD student’s research journey: Past, present and future*. Invited PhD student speaker at the 2017 Dean’s Advisory Board meeting for Sargent College of Health & Rehabilitation Sciences, New York, NY, USA.
 8. **Meier, E. L.** (2016, April). *Rethinking language reorganization in chronic aphasia through brain connectivity*. Invited student speaker for the spring 2016 Boston University Department of Speech, Language, & Hearing Sciences lecture series, Boston, MA, USA.

GRANTS

External Grants – Awarded

NIH R21 DC020546 Meier (PI) 6/3/2022 - 5/31/2025
 NIDCD, Early Career Research Award
Functional Connectivity Correlates of Subacute to Early Chronic Post-Stroke Aphasia Recovery
 Total Award: \$572,765; Direct: \$354,468; Indirect: \$202,047; Effort: 25%

Multicultural Activities Grant Meier, Sheppard (Co-PIs) 9/1/2023 - 12/1/2024
 American Speech-Language-Hearing Association
Birds of a Feather Flock Together: Implications of and Solutions for Homophily in Communication Sciences and Disorders
 Total Award: \$14,908; Direct: \$14,908; Indirect: \$0; Effort: 1%

NIH P2C HD101899 Subaward Meier (PI), Intille (Co-I) 10/1/2022 - 9/30/2024
 AbilityLab Center for Smart Use of Technologies to Assess Real-World Outcomes (C-STAR) Pilot Studies Award
Word Retrieval in the Wild: Ecological Momentary Assessment of Naming in People with Post-Stroke Aphasia and Age-Matched Controls
 Total Award: \$38,421; Direct: \$24,908; Indirect: \$13,513; Effort: 1%

NIH UL1 TR002544 Subaward Meier & Intille (MPI) 5/1/2022 - 4/30/2023
 National Center for Advancing Translational Sciences, Tufts Clinical and Translational Science Institute (Tufts CTSI) Pilot Studies Program

Word Retrieval in the Wild: An Ecological Momentary Assessment Pilot Study in People with Post-Stroke Aphasia

Total Award: \$40,000; Direct: \$40,000; Indirect: \$0; Effort: 1%

NIH F31 (DC015940) Meier (PI) 1/1/2017 - 7/31/2018
 NIDCD, Ruth L. Kirschstein National Research Service Award
Structural and Effective Connectivity of Reorganized Language Networks in Aphasia
 Total Award: \$88,568; Effort: 100%

External Grants – Pending

NIH R21 Meier & Intille (MPI) 12/1/2024-11/30/2026
 NIDCD, New Submission in February 2024
Word Retrieval in the Wild: Establishing Preliminary Efficacy of Semantic Feature Ecological Momentary Intervention for Post-Stroke Aphasia
 Amount Requested: \$431,554; Direct: \$275,000; Indirect: \$156,554; Effort: 12.5%

External Grants – Not Funded

NIH Administrative Supplement Meier (PI) 6/1/2024 - 5/31/2025
 NIA/NIDCD NOSI on Alzheimer's Disease and Related Dementias, New Submission in October 2023
Functional Connectivity Correlates of Short-Term Neurodegeneration in Primary Progressive Aphasia
 Amount Requested: \$199,116; Direct: \$124,838; Indirect: \$74,278; Effort: 10.17%

NIH R01 Peelle (PI) 7/1/2024 - 8/31/2029
 NIDCD, New Submission in October 2023
Cognitive demands during speech understanding in adults with and without hearing loss
 Role: Co-Investigator
 Amount Requested: \$3,928,656; Direct: \$2,499,995; Indirect: \$1,428,661; Effort: 8.33%

NIH R01 Peelle (PI) 9/1/2023 - 8/31/2028
 NIDCD
Acoustic Challenge during Spoken Language Processing: Cognitive and Functional Consequences in Healthy Aging and Stroke Survivors
 Role: Co-Investigator
 Amount Requested: \$3,983,869; Direct: \$2,861,762; Indirect: \$1,122,107; Effort: 33.3%

NIH R01 Chukoskie (PI) 7/1/2023-6/30/2028
 NIA
Foundational Skill Training to Maintain Cognitive Fitness in Older Adults
 Role: Co-Investigator
 Amount Requested: \$3,204,788; Direct: \$2,050,138; Indirect: \$1,154,650; Effort: 10.4%

Barbara Martin Aphasia Grant Meier, Fama (Co-Is) 7/1/2022-6/30/2023
 National Aphasia Association
Picturing Word Retrieval in Aphasia: A New Stimulus Set for Scientific and Clinical Use

Amount Requested: \$10,000; Direct: \$10,000; Indirect: \$0; Effort: 1%

Internal Grants – Awarded

Northeastern Tier 1 Meier, Stefanik, Fang (Co-PIs) 7/1/2022 - 6/30/2024
It Takes Two: Dual-Task Imaging Using Two Functional Near-Infrared Spectroscopy Systems in Younger and Older Adults

Total Award: \$49,341; Direct: \$49,341; Indirect: \$0; Effort: 0%

Mentored Student Awards – Funded

Northeastern University PEAK Base Camp Award (\$750) 5/20/2024-8/31/2024
 Jahnvi Srikanth, “Mastering Language Sample Coding: First Steps Towards Distinguishing Language Differences versus Deficits in Bilingual People with Aphasia”

Northeastern University PEAK Base Camp Award (\$750) 5/20/2024-8/31/2024
 Caela Hung, “Brain Imaging On the Go, Growing What We Know”

Northeastern University PEAK Base Camp Award (\$750) 5/20/2024-8/31/2024
 Priyansh Khare, “PATRIOT and FASTRAK Digitizer Synchronization for Enhanced Aphasia Data Capture”

Northeastern University PEAK Base Camp Award (\$750) 5/20/2024-8/31/2024
 Pratham Khare, “Syncing a Novel Near-Infrared Spectroscopy (NIRS) Software and Commercial Digitizer to Improve 3D Head Modeling of Post-Stroke Aphasia”

Northeastern University PEAK Base Camp Award (\$750) 2/01/2024-4/20/2024
 Lily White, “Naming in Noise”

CBH Graduate Student Fellowship 2023-2024
 Hailey Smith
 Role: Co-Mentor

Northeastern University PEAK Summit Award (\$3,000) 5/01/2023-7/15/2023
 Divya Ravikumar, “Optimizing and Standardizing Quality Assessment of Functional Near-Infrared Spectroscopy Data”

The Johns Hopkins University Albstein Research Scholarship (\$5,000)
 Massoud Sharif 5/01/2021-4/30/2022

TEACHING & MENTORING

Courses:

2022–present Instructor, Dept. of Communication Sciences and Disorders,
 Northeastern University, SLPA6342 Speech-Language Disorders in
 Adults, Part 1

- Fall 2023 Instructor, Dept. of Communication Sciences and Disorders, Northeastern University, SLPA1555 Communication Disorders in Movies
- Spring 2021 Co-Instructor (first ½ of course), Dept. of Communication Sciences and Disorders, Northeastern University, SLPA6342 Speech-Language Disorders in Adults, Part 1
- Spring 2021 Co-Instructor (second ½ of course), Dept. of Communication Sciences and Disorders, Northeastern University, SLPA1555 Communication Disorders in Movies
- Fall 2016 Instructor, Department of Speech, Language, & Hearing Sciences, Boston University, SAR SH 756 Cognition and Neural Bases
- Fall 2006 Graduate Teaching Assistant, Department of Speech, Language, & Hearing Sciences, Purdue University

Guest Lectures:

- Spring 2024 Guest Lecturer, SLPA1101: Introduction to Communication Sciences and Disorders, “Path to CSD”
- Spring 2024 Guest Lecturer, PT 5209: Neurological Rehabilitation 1, “Neurologic Speech, Language, and Swallowing Disorders”
- Fall 2023 Guest Lecturer, SLPA 2400: Language of Neuroscience, “What can aphasia tell us about the neuroscience of language?”
- Spring 2023 Guest Lecturer, PT 5209: Neurological Rehabilitation 1, “Neurologic Speech, Language, and Swallowing Disorders”
- Spring 2021 Guest Lecturer, HLTH 5450: Healthcare Research, “Naming Errors and Dysfunctional Tissue Metrics Predict Language Recovery after Acute Left Hemisphere Stroke”

Thesis & Project Mentorship:

- 2022 – 2023 Dissertation Committee Member, Anne Billot (Boston University), *Neuroplasticity mechanisms in post-stroke aphasia: Investigating the Differential Role of the Domain-General Multiple Demand and Language Networks*
- 2022 – 2023 Master’s Thesis Committee Member, Lauren Sullivan (Northeastern University), *Effects of SPEAK OUT! ® & LOUD Crowd® on Various Speech Measures in Parkinson Disease*
- 2022 – 2023 Research Mentor and Master’s Thesis Supervision, Emma Van (Northeastern University), Thesis: *The Neural Correlates of Story Listen and Retell in Neurologically Healthy Young Adults: A Functional Near-Infrared Spectroscopy Pilot Study*
- 2021 – 2023 Research Mentor and Master’s Thesis Supervision, Anna Schwartz, PhD (Northeastern University), Thesis: *The Neural Correlates of Novel versus Familiar Metaphor Processing: A Functional Near-Infrared Spectroscopy Study.*
- 2018 – 2022 Research Mentor, Massoud Sharif (Harvard University, formerly of Johns Hopkins University), project yielded publication (DOI: 10.1371/journal.pone.0275664)

- 2018 – 2021 Research Mentor, Emily Goldberg, M.S., CCC-SLP (U. of Pittsburgh, formerly Johns Hopkins School of Medicine), project yielded publication (DOI: 10.1044/2021_JSLHR-20-00347)
- 2016 – 2018 Research Mentor and Undergraduate Thesis Committee Member, Robert Buckshaw (Boston University), Thesis: *Effective Connectivity of Aphasic Bilingual Semantic Processing*

Additional Research Mentorship & Supervision:

<i>Master's Students</i>		<i>Undergraduate Students</i>	
Izzy Cotenoff	1/2024-present	Jahnvi Srikanth	3/2024-present
Skylar Jennings	9/2023-present	Priyansh Khare	1/2024-present
Esprit Ange Andraos	5/2023-present	Pratham Khare	1/2024-present
Lauren Rauert	5/2023-present	Lily White	6/2023-present
Grace Haskell	6/2022-present	Shriya Karthikvatsan	10/2023-present
Carlos Alicea	5/2023-12/2023	Divya Ravikumar	1/2022-present
Nathalie Mitchell	5/2022-7/2023	Catherine Terkildsen	5/2021-present
Emma Van	5/2022-5/2023	Hai-Dinh Phan	5/2021-present
Alexa Reilly	9/2021-5/2023	Leanna Ugent	4/2021-8/2023
Anna Schwartz	1/2021-5/2023	Nicole Conte	5/2023-8/2023
Carli Bopp	2/2022-5/2023	Amanda Mangano	3/2022-5/2023
Jamie Brunette	5/2022-2/2023		
Mallory Petty	5/2022-1/2023		
Maggie McNeil	5/2021-5/2022		
Julia Gluck	5/2021-5/2022		

Clinical Supervision:

- April 2024 Clinical Supervisor, Northeastern University CSD DPT Interprofessional Simulation Experience
- February 2023 Clinical Supervisor, Northeastern University CSD DPT Interprofessional Simulation Experience
- February 2022 Clinical Supervisor, Northeastern University CSD DPT Interprofessional Simulation Experience
- Summer 2015 Clinical Supervisor, Boston University Intensive Aphasia Program (PI: Elizabeth Hoover, Ph.D., CCC-SLP)
- 2013 Clinical Externship Supervisor, Willowbrook DayRehab of the Rehabilitation Institute of Chicago (RIC)

SERVICE & RELATED ACTIVITIES

Department Service:

- 2022–present Member, Northeastern University CSD Dept. Curriculum Committee
- 2021–2023 Member, Northeastern University CSD Dept. Diversity, Equity, and Inclusion Committee

School Service:

- 2022–present Member, School of Clinical and Rehabilitation Sciences, Faculty and Staff Award Committee

College Service:

2023–2024 Search Committee Member, Assistant/Associate/Full Professor - Department of Bioengineering - Synthetic Biology and Mechanobiology for two open positions

University Service:

Fall 2023 Faculty Speaker, Bouvé Unveiled at the Back to Bouvé Alumni Event, “Clinical Impact on Functional Communication Recovery in People with Aphasia”

Service to the Profession:

2023–2024 Guest Editor, *American Journal of Speech-Language Pathology* special issue for the 52nd Annual Clinical Aphasiology Conference

Fall 2023 Ad-hoc Review, NSF Faculty Early Career Development Program (CAREER)

Summer 2023 Selected Mentor, NIDCD Research Symposium in Clinical Aphasiology at the 52nd Annual Clinical Aphasiology Conference

Summer 2023 Nominated Junior Co-Mentor, Clinical Aphasiology Conference Steering Committee Mentorship Luncheon

Spring 2023 Presenter, Northeastern Department of Communication Sciences and Disorders February CE Event, “Applications of Ecological Momentary Assessment in Stroke Recovery: Current State and Future Clinical Directions”

2022–2023 Member, Program Committee for the 52nd Clinical Aphasiology Conference

Summer 2022 Selected Mentor, NIDCD Research Symposium in Clinical Aphasiology at the 51st Annual Clinical Aphasiology Conference

2021–present Review Editor, *Frontiers in Neurology – Stroke*

Fall 2021 Reviewer, ASH Foundation’s 2021 Graduate Student Scholarship

Summer 2019 Nominated Junior Co-Mentor, Clinical Aphasiology Conference Steering Committee Mentorship Luncheon

2016–present Reviewer, *American Journal of Speech-Language Pathology* (1 manuscript); *Annals of Clinical and Translational Neurology* (1 manuscript); *Aphasiology*; *Brain Imaging and Behavior*; *Brain Sciences*; *Cortex*; *Frontiers in Human Neuroscience*; *Frontiers in Neurology*; *Human Brain Mapping*; *International Journal of Stroke*; *International Journal of Language and Communication Disorders*; *Journal of Neurolinguistics*; *Journal of Speech, Language, & Hearing Sciences*; *Language, Cognition and Neuroscience* (1 manuscript); *Neurobiology of Language* (2 manuscripts); *Stroke & Vascular Neurology*; *Topics in Stroke Rehabilitation* (1 manuscript)

Service to the Community/Public:

Summer 2024 Presenter, Tufts University Dissemination of Research Open House, a one-day event open to stakeholders and the public, “Word Retrieval in the Wild: A Smartwatch Ecological Momentary Assessment Pilot Study in People with Post-Stroke Aphasia”

- Spring 2023 Presenter/organizer, “Stroke Risk Factors, Symptoms, & Prevention”, an afternoon event involving presentation and demonstration to the residents of Brown Family House, Brookline, MA.
- Spring 2023 Presenter, “Functional Recovery from Post-Stroke Aphasia”, presentation given to the Massachusetts General Hospital Neurorecovery Team, via Zoom.

Professional Memberships & Development:

- 2022–present Member, Society for fNIRS
- 2016–present Associate Member, Academy of Aphasia
- 2015–present Member, Society for the Neurobiology of Language
- 2013–present Massachusetts State Speech-Language Pathology License (#9081)
- 2009–present Member, American Speech-Language-Hearing Association, maintained Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) (#12127452)
- Spring 2021 Recipient of Intermediate Level Racial Literacy Badge following completion of the Northeastern University Racial Literacy Popup Course
- 2019–2021 Member, AphasiaAccess