

## **Erin L. Meier, Ph.D., CCC-SLP**

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### **EDUCATION**

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- 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)

### **PROFESSIONAL APPOINTMENTS**

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- 2021–present 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, Rehabilitation Institute of Chicago (RIC) Willowbrook DayRehab, Willowbrook, IL
- 2009–2010 Speech-Language Pathologist & Clinical Fellow, Kindred Hospital of Chicago-Northlake, Northlake, IL
- 2007–2008 Graduate Research Assistant, Neural Systems for Processing Language Laboratory, Purdue University (PI: Christine M. Weber, Ph.D., CCC-SLP)
- 2004–2006 Undergraduate Research Assistant, Augustana College Center for Communication Disorders (PI: Allison M. Haskill, Ph.D., CCC-SLP)

## FUNDED GRANTS

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2017–2018 NIH/NIDCD Ruth L. Kirschstein National Research Service Award, 1F31DC015940-01. *Structural and effective connectivity of reorganized language networks in aphasia* (PI: Meier, Sponsor: Swathi Kiran)

## AWARDS & HONORS

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2019 American Neurological Association Travel Award  
 2019 Nominated as co-junior mentor, Clinical Aphasiology Conference Steering Committee Mentorship Luncheon  
 2018 NIDCD Academy of Aphasia Young Investigator Travel Fellowship  
 2017 American Speech-Language-Hearing Association's (ASHA) "Lessons for Success" Conference Fellow  
 2016 ASHFoundation New Century Scholars Doctoral Scholarship  
 2016 NIDCD Research Symposium in Clinical Aphasiology Student Fellowship  
 2016 Sargent College of Health and Rehabilitation Sciences Dean's Award for best poster at the Boston University Graduate Research Symposium  
 2015 ASHA Student Research Travel Award  
 2015 NIDCD Research Symposium in Clinical Aphasiology Student Fellowship  
 2013 Travel Award, Boston University Department of Speech, Language & Hearing Sciences Graduate Student Enrichment Fund

## TEACHING & MENTORING

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2021 – present Instructor, Department of Communication Sciences and Disorders, Northeastern University, SLPA6342 Speech-Language Disorders in Adults, Part 1 and SLPA1555 Communication Disorders in Movies  
 2016–2018 Committee Member, Robert Buckshaw, Boston University Aphasia Research Laboratory, Thesis: *Effective connectivity of aphasic bilingual semantic processing*  
 2016 Instructor, Department of Speech, Language, & Hearing Sciences, Boston University, SAR SH 756 Cognition and Neural Bases  
 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)  
 2006 Graduate Teaching Assistant, Department of Speech, Language, & Hearing Sciences, Purdue University, SLHS 420/422 Developmental Speech and Language Disorders and SLHS 430 Speech-Language Disorders in Healthcare Settings

## PUBLICATIONS

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### Articles published in peer-reviewed journals:

1. **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.

2. 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.
3. **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.000000000000237.
4. 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.000000000000238.
5. 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.
6. 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
7. 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.
8. 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*. 1-15. DOI: 10.1080/02687038.2019.1670330.
9. 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.
10. 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.
11. **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.
12. **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.
13. 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.
14. **Meier, E. L.**, Johnson, J. P., & Kiran, S. (2018). 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
15. **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.

16. **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.
17. **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.
18. 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.

### Submitted papers:

1. Berube, S., **Meier, E.**, Bunker, L., Goldberg, E., Walker, A., Ubellacker, D., Stein, C., & Hillis, A. E. (under review). Analysis of the modern cookie theft picture description is sensitive to aphasia.
2. Braun, E. J., Billot, A., **Meier, E.**, Pan, Y., Kurani, A., Parrish, T., & Kiran, S. (under review). The relationship between white matter structural integrity and language performance in individuals with aphasia.
3. Breining, B. L., Faria, A. V., Caffo, B., **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Tippett, D. C., Hillis, A. E. Neural regions underlying object and action naming: Complementary evidence from acute stroke and primary progressive aphasia. (under review).
4. Goldberg, E. B., **Meier, E. L.**, Sheppard, S. M., Breining, B. L., & Hillis, A. E. (under revision). Stroke recurrence and its relationship with language abilities.
5. Keser, Z., **Meier, E. L.**, Stockbridge, M. D., Breining, B. L., Sebastian, R., & Hillis, A. E. (under review). Thalamic nuclei and thalamocortical pathways after left hemisphere stroke and their role in picture naming.
6. **Meier, E. L.**, Sheppard, S. M., Goldberg, E. B., Head, C. R., Walker, A., Ubellacker, D. M., Ruch, K., Vitti, E., & Hillis, A. E. (under review). Dysfunctional tissue correlates of unrelated naming errors in acute left hemisphere stroke.
7. Sheppard, S. M., **Meier, E. L.**, Kim, K. T., Breining, B. L., Keator, L. M., Tang, B., Caffo, B., & Hillis, A. E. (under review). Neural correlates of syntactic comprehension: A longitudinal study.
8. Sheppard, S. M., **Meier, E. L.**, Durfee, A. Z., Walker, A., Shae, J., & Hillis, A. E. (under review). Characterizing subtypes and neural correlates of receptive aprosodia in acute right hemisphere stroke.

### Papers in preparation:

1. Bunker, L., Walker, A., Leigh, R., **Meier, E.**, Goldberg, E., Breining, B., Stein, C., Ubellacker, D., & Hillis, A. (in preparation). Utility of estimated hypoperfusion in predicting naming performance post stroke.
2. Johnson, J. P., **Meier, E. L.**, Pan, Y., & Kiran, S. (in preparation). Task-based functional connectivity normalizes in patients with aphasia who benefit from naming treatment: Results from a pseudo-randomized investigation.
3. **Meier, E. L.**, Sheppard, S. M., Sebastian, R., Goldberg, E. G., Shea, J., Stein, C. M., Berube, S., & Hillis, A. E. (in preparation). Functional network correlates of picture description abilities in chronic left versus right hemisphere stroke.
4. **Meier, E. L.**, Faria, A. V., Breining, B. L., Sheppard, S. M., Goldberg, E. B., & Hillis, A. E. (in preparation). Combined gray and white matter metrics improve classification of

individuals with primary progressive aphasia and healthy controls over single tissue-type measures.

5. Liu, H., Hsu, J., Xu, X., Kim, N. G., Sheppard, S. M., **Meier, E. L.**, Miller, M., Hillis, A. E., Faria, A. V. (in preparation). A novel 3D digital atlas of vascular territories derived from acute stroke brain lesions.
6. Sharif, M., **Meier, E. L.**, Sheppard, S. M., Goldberg, E. B., & Hillis, A. E. (in preparation). The contributions of white matter pathology, hypoperfusion and tissue necrosis to language deficits following acute subcortical left hemisphere stroke.

### Peer-reviewed published abstracts:

1. 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.
2. 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.
3. 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).
4. 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.
5. **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.
6. 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.
7. 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.
8. 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.

### Book chapters:

1. **Meier, E. L.** (submitted). The role of disrupted functional connectivity in aphasia. In A. E. Hillis, M. J. Aminoff, F. Boller, & D. Swaab (Eds.), *Handbook of Clinical Neurology*, Elsevier.
2. **Meier, E. L.**, Sebastian, R., & Hillis, A. E. (submitted). Post-stroke and progressive aphasias. In S. E. MacPherson (Ed.), *Encyclopedia of Behavioral Neuroscience 2e*. Elsevier.
3. **Meier, E. L.**, & Johnson, J.P. (submitted). Neuroimaging in medical speech-language pathology. In A. F. Johnson & B. H. Jacobson (Eds.), *Introduction to Medical Speech-Language Pathology*. Plural Publishing, Inc.

## INVITED TALKS

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1. **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 48<sup>th</sup> Annual Clinical Aphasiology Conference, Austin, TX.
2. **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.
3. **Meier, E. L.** (2017, May). *The effect of task demands on frontotemporal connectivity during lexical-semantic processing in post-stroke aphasia*. Lightning talk at the MIT BCS Workshop: "The relationship between executive functions and language processing", Cambridge, MA.
4. **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 (SLHS) lecture series, Boston, MA.

## ORAL PRESENTATIONS

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1. **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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
2. Shannon, S., Shae, J., Tippett, 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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
3. 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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
4. 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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
5. 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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
6. 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 Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).

7. 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.
8. 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.
9. 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 49<sup>th</sup> Annual Clinical Aphasiology Conference, Whitefish, MT.
10. **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 49<sup>th</sup> Annual Clinical Aphasiology Conference, Whitefish, MT.
11. **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 56<sup>th</sup> Meeting of the Academy of Aphasia, Montréal, Canada.
12. **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 48<sup>th</sup> Annual Clinical Aphasiology Conference, Austin, TX.
13. **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.
14. 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.
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 55<sup>th</sup> Annual Meeting of the Academy of Aphasia, Baltimore, MD.
16. 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 94<sup>th</sup> Annual Conference, Progress in Rehabilitation Medicine, Atlanta, GA.
17. **Meier, E. L.** (2017, April). *Frontotemporal connectivity during lexical-semantic processing in chronic post-stroke aphasia*. Lightning talk at the Language Processing and Recovery in Aphasia Symposium, Boston, MA.
18. 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.
19. **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.

20. **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 46<sup>th</sup> Annual Clinical Aphasiology Conference, Charlottesville, VA.
21. 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 46<sup>th</sup> Annual Clinical Aphasiology Conference, Charlottesville, VA.
22. **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.

## POSTER PRESENTATIONS

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1. **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 58<sup>th</sup> Annual Meeting of the Academy of Aphasia, virtual conference.
2. 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 58<sup>th</sup> Annual Meeting of the Academy of Aphasia, virtual conference.
3. 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 58<sup>th</sup> Annual Meeting of the Academy of Aphasia, virtual conference.
4. 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 12<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
5. 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 12<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
6. 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 12<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
7. 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 12<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, virtual conference.
8. **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 leukoaraiosis*



*in primary progressive aphasia*. Poster presentation at the 144<sup>th</sup> Annual Meeting of the American Neurological Association, St. Louis, MO.

9. **Meier, E. L.**, Crinion, J. T., Cebon, 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 25<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy.
10. **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.
11. **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.
12. **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 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD.
13. **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 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD.
14. 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 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD.
15. 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 47<sup>th</sup> Annual Clinical Aphasiology Conference, Snowbird, UT.
16. 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.
17. **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.
18. 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 22<sup>nd</sup> Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland.
19. **Meier, E.**, Kapse, K., & Kiran, S. (2015, October). *Effective connectivity of the naming network in post-stroke chronic aphasia*. Poster presentation at the 7<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.
20. 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 21<sup>st</sup> Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.

21. 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 21<sup>st</sup> Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.
22. 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.
23. **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 45<sup>th</sup> Annual Clinical Aphasiology Conference, Monterey, CA.

## **SERVICE & RELATED ACTIVITIES**

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- 2019–present Member, AphasiaAccess
- 2019–present Reviewer, *Cortex*; *Journal of Neurolinguistics*; *Language, Cognition and Neuroscience*, *American Journal of Speech-Language Pathology*
- 2018–present Reviewer, *Brain Imaging and Behavior*
- 2017–present Reviewer, *Frontiers in Human Neuroscience*
- 2016–present Associate member, Academy of Aphasia
- 2016–present Reviewer, *Human Brain Mapping*
- 2015–present Member, Society for the Neurobiology of Language
- 2015–2016 Student chair, organization committee for the Boston University Department of Speech, Language, & Hearing Sciences colloquia
- 2009–present Member, American Speech-Language-Hearing Association