

## **Jennifer E. Mack**

Assistant Professor  
Department of Speech, Language, and Hearing Sciences  
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### **EDUCATION**

2010	Ph.D., Linguistics	Yale University, New Haven, CT
2006	M.A., Linguistics	Yale University, New Haven, CT
2004	B.A., Linguistics	Rice University, Houston, TX

### **PROFESSIONAL EMPLOYMENT**

2018-	Assistant Professor Department of Speech, Language, and Hearing Sciences, University of Massachusetts-Amherst
2018-	Core Faculty Member Neuroscience and Behavior Graduate Program, University of Massachusetts-Amherst
2014-2017	Research Assistant Professor Roxelyn & Richard Pepper Department of Communication Sciences and Disorders, Northwestern University
2013-2014	Research Associate Roxelyn & Richard Pepper Department of Communication Sciences and Disorders, Northwestern University
2011-2012	Postdoctoral Fellow Roxelyn & Richard Pepper Department of Communication Sciences and Disorders, Northwestern University
2010	Postdoctoral Fellow Departments of Psychological & Brain Sciences and Linguistics, University of Massachusetts-Amherst

### **RESEARCH GRANTS**

2024-2026	R21-DC021233 Effects of aphasia identification cards on comprehension of aphasic language by unfamiliar communication partners NIH (NIDCD)
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\$275,000 (total direct costs)

Role: PI

- 2018-2019 Human Magnetic Resonance Center Pilot Grant  
Using our eyes to help us understand: The neural substrates of visual attention during sentence comprehension  
Institute for Applied Life Sciences, University of Massachusetts-Amherst  
\$8795  
Role: PI
- 2017 R01-DC001948  
Neurolinguistic investigations of aphasia and recovery  
NIH (NIDCD)  
This was a 5-year grant (2017-2022). I was Co-Investigator in 2017 while employed at Northwestern University.  
\$1,678,390 (total direct costs)  
Role: Co-Investigator (PI: Cynthia K. Thompson)
- 2017 R01-DC008552  
Language in Primary Progressive Aphasia  
NIH (NIDCD)  
This is a 5-year grant (2017-2022). I was Co-Investigator in 2017 while employed at Northwestern University.  
\$2,022,584 (total direct costs)  
Role: Co-Investigator (PI: M.-Marsel Mesulam)
- 2015-2017 P50-DC012283  
Neurobiology of language recovery in aphasia: Natural history and treatment-induced recovery  
NIH (NIDCD)  
This was a 5-year grant (2013-2017). I was Co-Investigator from 2015-2017 while employed at Northwestern University.  
\$11,273,744 (total direct costs)  
Role: Co-Investigator (PI: Cynthia K. Thompson)
- 2015-2016 Northwestern University Clinical and Translational Sciences Institute Voucher Grant  
Relating linguistic prediction and integration in agrammatic aphasia  
\$1300  
Role: PI (with Cynthia K. Thompson)

## HONORS AND AWARDS

- 2024-2025 Lilly Fellowship for Teaching Excellence, University of Massachusetts-Amherst
- 2023 Lessons for Success participant, American Speech-Language-Hearing Association
- 2021-2022 Scholar, Institute for Social Science Research, University of Massachusetts-Amherst

- 2019-2021 Advancing Academic-Research Careers (AARC) Award, American Speech-Language-Hearing Association
- 2003, 2007 Linguistic Society of America Summer Institute Fellowship

## PUBLICATIONS AND PRESENTATIONS

### PEER-REVIEWED JOURNAL ARTICLES

- 2024 **Mack, J.E.**, Grossman, M., Ward, C. B., Bondar, M., & Ciulla, A. E. Listening to self-advocacy scripts produced by speakers with Broca's aphasia and apraxia of speech: Thoughts and emotions reported by unfamiliar communication partners. *Aphasiology*, 1–26.
- 2022 Wang, H., Walenski, M., Litcofsky, K., **Mack, J. E.**, Mesulam, M.-M., Thompson, C. K. Verb production and comprehension in primary progressive aphasia. *Journal of Neurolinguistics*, 64, 101099.
- Ward, C. B. & **Mack, J. E.** The effect of an aphasia ID card on the processing of language produced by a speaker with nonfluent aphasia. *Journal of Communication Disorders*, 100, 106268.
- 2021 **Mack, J. E.**, Ward, C., & Stratford, S. Impact of the fMRI environment on eye-tracking measures in a linguistic prediction task. *Language, Cognition, and Neuroscience*, 36 (6), 675-693.
- Mack, J. E.**, Barbieri, E., Weintraub, S., Mesulam, M.-M., & Thompson, C. K. Quantifying grammatical impairments in primary progressive aphasia: Structured language tests and narrative language production. *Neuropsychologia*, 151, 107713.
- Thompson, C. K., Barbieri, E., **Mack, J. E.**, Wilkins, A., & Xie, K. Y. Plasticity of sentence processing networks: Evidence from a patient with agrammatic variant of Primary Progressive Aphasia (PPA). *Neurocase*, 27 (1), 39-56.
- Walenski, M., **Mack, J. E.**, Mesulam, M.-M., & Thompson, C. K. Thematic integration impairments in primary progressive aphasia: Evidence from eye-tracking. *Frontiers in Human Neuroscience*, 14, 587594
- 2020 Higgins, J., Barbieri, E., Wang, X., **Mack, J. E.**, Caplan, D., Kiran, S., Rapp, B., Thompson, C., Zinbarg, R., & Parrish, T. Reliability of BOLD signals in chronic stroke-induced aphasia. *European Journal of Neuroscience*, 52 (8): 3963-3978.
- 2019 **Mack, J.E.**, Mesulam, M. M., Rogalski, E. J., & Thompson, C. K. Verb-argument integration in primary progressive aphasia: Real-time argument access and selection. *Neuropsychologia*, 134, 107192.
- Barbieri, E., **Mack, J. E.**, Chiappetta, B., Europa, E., & Thompson, C. K. Recovery of offline and online sentence processing in aphasia: Language and domain-general network neuroplasticity. *Cortex*, 120, 394-418.
- 2017 **Mack, J. E.**, Nerantzini, M., & Thompson, C. K. Recovery of sentence production processes

following language treatment in aphasia: Evidence from eyetracking. *Frontiers in Human Neuroscience*, 11, Article 101.

**Mack, J. E.** & Thompson, C. K. Recovery of online sentence processing in aphasia: Eye movement changes resulting from Treatment of Underlying Forms. *Journal of Speech, Language, and Hearing Research*, 60, 1299-1315.

- 2016 **Mack, J. E.**, Wei, A. Z., Gutierrez, S., & Thompson, C. K. Tracking sentence comprehension: Test-retest reliability in people with aphasia and unimpaired adults. *Journal of Neurolinguistics*, 40, 98-111.

Cho-Reyes, S., **Mack, J. E.**, & Thompson, C. K. Grammatical encoding and learning in agrammatic aphasia: Evidence from structural priming. *Journal of Memory and Language*, 91, 202-218.

- 2015 **Mack, J. E.**, Chandler, S. D., Meltzer-Asscher, A., Rogalski, E., Weintraub, S., Mesulam, M. M., & Thompson, C. K. What do pauses reveal about the nature of word retrieval deficits in PPA? *Neuropsychologia*, 77, 211-222.

Meltzer-Asscher, A., **Mack, J. E.**, Barbieri, E., & Thompson, C. K. How the brain processes argument structure complexity: Evidence from fMRI. *Brain and Language*, 142, 65-75.

- 2014 Thompson, C. K. & **Mack, J. E.** Grammatical impairments in PPA. *Aphasiology*, 28 (8-9), 1018-1037.

- 2013 **Mack, J. E.**, Cho-Reyes, S., Kloet, J. D., Weintraub, S., Mesulam, M. M., & Thompson, C. K. Phonological facilitation of object naming in agrammatic and logopenic primary progressive aphasia (PPA). *Cognitive Neuropsychology*, 30, 172-193.

**Mack, J. E.**, Ji, W., & Thompson, C. K. Effects of verb meaning on lexical integration in agrammatic aphasia: Evidence from eyetracking. *Journal of Neurolinguistics*, 26, 619-636.

**Mack, J. E.**, Meltzer-Asscher, A., Barbieri, E., & Thompson, C. K. Neural correlates of processing passive sentences. *Brain Sciences*, 3, 1198-1214.

- 2012 **Mack, J. E.**, Clifton, C., Frazier, L., & Taylor, P. V. (Not) hearing optional subjects: The effects of pragmatic usage preferences. *Journal of Memory and Language*, 67, 211-223.

Meyer, A. M., **Mack, J. E.**, & Thompson, C. K. Tracking passive sentence comprehension in agrammatic aphasia. *Journal of Neurolinguistics*, 25, 31-43.

#### BOOK CHAPTERS

- 2019 Thompson, C. K. & **Mack, J. E.** Neurocognitive mechanisms of agrammatism. In De Zubicaray, G. and Schiller, N. O. (Eds.), *Oxford Handbook of Neurolinguistics* (pp. 796-826). Oxford, UK: Oxford University Press.

#### PEER-REVIEWED CONFERENCE PROCEEDINGS/CONFERENCE ABSTRACTS

- 2018 Barbieri, E., **Mack, J. E.**, Chiappetta, B., Europa, E., & Thompson, C. K. Neurocognitive sequela of non-canonical sentence comprehension in chronic agrammatic aphasia: Eye movement and

- fMRI correlates of behavioral recovery. *Frontiers in Human Neuroscience Conference Abstract: 56<sup>th</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fnhum.2018.228.00023
- 2017 **Mack, J. E.**, Mesulam, M.M., & Thompson, C. K. Understanding and combining words during sentence comprehension in primary progressive aphasia. *Frontiers in Psychology Conference Abstract: 55<sup>th</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fnhum.2017.223.00011
- 2016 **Mack, J. E.**, Nerantzini, M., Walenski, M., Liao, M., & Thompson, C. K. Recovery of sentence production processes following language treatment in aphasia: Evidence from eyetracking. *Frontiers in Psychology Conference Abstract: 54<sup>th</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fpsyg.2016.68.00036
- 2015 Barbieri, E., **Mack, J. E.**, Chandler, S. D., Mesulam, M. M., & Thompson, C. K. Grammatical production deficits in PPA: Relating narrative and structured task performance. *Frontiers in Psychology Conference Abstract: 53<sup>rd</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fpsyg.2015.65.00010
- Mack, J. E.**, Gutierrez, S., Mesulam, M. M. & Thompson, C. K. Online sentence comprehension in PPA: Verb-based prediction and integration. *Frontiers in Psychology Conference Abstract: 53<sup>rd</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fpsyg.2015.65.00026
- 2014 Wei, A., **Mack, J. E.**, & Thompson, C. K. Reliability of visual-world eyetracking for lexical and sentence comprehension tasks. *Frontiers in Psychology Conference Abstract: 52<sup>nd</sup> Annual Academy of Aphasia Meeting*. DOI: 10.3389/conf.fpsyg.2014.64.00032
- Fraser, K. C., Hirst, G., Meltzer, J. A., **Mack, J. E.**, Thompson, C. K. Using statistical analysis parsing to detect agrammatic aphasia. *Proceedings of the 2014 Workshop on Biomedical Natural Language Processing (BioNLP)* (pp. 134-142). Stroudsburg, PA: Association for Computational Linguistics (ACL).
- 2013 **Mack, J. E.**, Meltzer-Asscher, A., Dove, S., Weintraub, S., Mesulam, M. M., & Thompson, C. K. Word-finding pauses in primary progressive aphasia (PPA): Effects of lexical category. *Procedia – Social and Behavioral Sciences: 51<sup>st</sup> Academy of Aphasia Proceedings, 94*, 129-130.
- 2012 **Mack, J. E.**, Ji, W., & Thompson, C. K. Verb-based facilitation of argument processing in agrammatic aphasia: Evidence from eyetracking. *Procedia – Social and Behavioral Sciences: 50<sup>th</sup> Academy of Aphasia Proceedings, 61*, 269-270.
- Meltzer-Asscher, A., Kiehl, A., **Mack, J. E.**, Weintraub, S., Mesulam, M. M., & Thompson, C. K. Electrophysiological responses to semantic and argument structure violations in agrammatic primary progressive aphasia. *Procedia – Social and Behavioral Sciences: 50<sup>th</sup> Academy of Aphasia Proceedings, 61*, 266-268.
- Thompson, C. K., Lee, J., & **Mack, J. E.** Verbal morphology in agrammatic and anomia aphasia: Comparison of structured vs. narrative elicitation tasks. *Procedia – Social and Behavioral Sciences: 50<sup>th</sup> Academy of Aphasia Proceedings, 61*, 228-229.

- 2007 **Mack, J. E.** Licensing by information structure. In T. Crane, O. David, D. Fenton, H. J. Haynie, S. Katseff, R. Lee-Goldman, R. Rouvier, & D. Yu (Eds.), *Proceedings of the 33<sup>rd</sup> Annual Meeting of the Berkeley Linguistics Society* (pp. 271-282). Berkeley, CA: The Berkeley Linguistics Society, Inc.
- 2006 Piñango, M. M., **Mack, J. E.**, & Jackendoff, R. Semantic combinatorial processes in argument structure: Evidence from light-verbs. In Z. Antic, C. B. Chang, E. Cibelli, J. Hong, M. J. Houser, C. S. Sandy, M. Toosarvandani, & Y. Yao (Eds.), *Proceedings of the 32<sup>nd</sup> Annual Meeting of the Berkeley Linguistics Society* (pp. 573-583). Berkeley, CA: The Berkeley Linguistics Society, Inc.

#### INVITED PRESENTATIONS

- 2021 **Mack, J. E.** Exploring the impact of aphasia self-disclosure on non-aphasic listeners. Center for the Study of Aphasia Recovery (C-STAR), virtual presentation, Sept. 23.
- 2019 **Mack, J. E.** Is prediction a central component of the sentence processing system? Department of Linguistics, Yale University, New Haven, CT, Nov. 4.
- Mack, J. E.** Building thematic and syntactic structure in intransitive sentences: Evidence from sentence processing, neuroimaging, and aphasia. International Brain and Syntax Think Tank. Northwestern University, Evanston, IL, Oct. 11-12.

#### PEER-REVIEWED CONFERENCE PRESENTATIONS

- 2023 **Mack, J.E.**, Grossman, M., Ward, C. B., Bondar, M., Ciulla, A. E. Listeners' experiences of self-advocacy scripts produced by speakers with aphasia. 2023 ASHA Convention, Boston, MA, Nov. 16-18.
- 2023 **Mack, J. E.**, Malcolm, T. R., & Lerman, A. Self-disclosure of aphasia from the perspectives of people with aphasia, clinicians, and communication partners: Preliminary evidence and future directions. Virtual roundtable presentation/discussion, 52<sup>nd</sup> Clinical Aphasiology Conference, Atlantic City, NJ, May 30-June 3.
- 2022 **Mack, J. E.**, Ward, C. B., Clark, C., Grossman, M., & Toto, J. The effects of spoken aphasia self-advocacy scripts on the thoughts, emotions, and attitudes of unfamiliar non-aphasic listeners. 60<sup>th</sup> Annual Meeting of the Academy of Aphasia, Philadelphia, PA, Oct. 23-25.
- 2021 Ward, C. B. & **Mack, J. E.** The effect of aphasia identification cards on neurotypical comprehension of aphasic language. 2021 ASHA Convention Virtual Library, Nov. 15-22.
- Wang, H., Walenski, M., Litcofsky, K., **Mack, J. E.**, Mesulam, M.-M., & Thompson, C. K. Online comprehension of verbal time reference in primary progressive aphasia: Evidence from eyetracking. 59<sup>th</sup> Annual Meeting of the Academy of Aphasia, Virtual, Oct. 24-26.
- Wang, H., Walenski, M., Litcofsky, K., **Mack, J. E.**, Mesulam, M.-M., & Thompson, C. K. Online comprehension of verbal time reference in primary progressive aphasia: Evidence from eyetracking. 13<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Virtual, Oct. 5-8.

- Mack, J. E.** fMRI activation patterns associated with linguistic vs. visual predictive cues in the visual world paradigm. 13<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Virtual, Oct. 5-8.
- Mack, J. E.** & Reggio, C. The role of inferior frontal regions in phonological competition: Preliminary evidence from trial-level integration of eye-tracking with fMRI. 13<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Virtual, Oct. 5-8.
- 2020 **Mack, J. E.**, Hourican, L., & Muñoz, M. Tracking the impact of fMRI acoustic noise on spoken word recognition. 12<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Virtual, Oct. 21-24.
- Wang, H., Walenski, M., Litcofsky, K. A., **Mack, J. E.**, Mesulam, M.-M., & Thompson, C. K. Verb processing across primary progressive aphasia variants. 12<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Virtual, Oct. 21-24.
- Ward, C. & **Mack, J. E.** Do aphasia ID cards impact how neurotypical adults listen to unfamiliar speakers with aphasia? 58<sup>th</sup> Annual Meeting of the Academy of Aphasia, Virtual, Oct. 18-20.
- Wang, H., Walenski, M., Litcofsky, K. A., **Mack, J. E.**, Mesulam, M.-M., & Thompson, C. K. Verb processing across primary progressive aphasia variants. 58<sup>th</sup> Annual Meeting of the Academy of Aphasia, Virtual, Oct. 18-20.
- Mack, J. E.**, Ward, C., & Stratford, S. Impact of the MRI environment on eye-tracking measures in a linguistic prediction task. 33<sup>rd</sup> Annual CUNY Human Sentence Processing Conference, Virtual, March 19-21.
- 2019 **Mack, J. E.**, Ward, C., & Stratford, S. How does eye-tracking in the scanner compare to the lab? Evidence from a linguistic prediction task. 11<sup>th</sup> Annual Society for the Neurobiology of Language Meeting, Helsinki, Finland, Aug. 20-22.
- Higgins, J., Barbieri, E., Wang, X., **Mack, J. E.**, Caplan, D., ... Parrish, T. Reliability of BOLD signals in chronic stroke-induced aphasia. 49<sup>th</sup> Annual Clinical Aphasiology Conference, Whitefish, MT, May 28-June 1.
- 2018 Barbieri, E., **Mack, J. E.**, Chiappetta, B., Europa, E., & Thompson, C. K. Neurocognitive sequela of non-canonical sentence comprehension in chronic agrammatic aphasia: Eye movement and fMRI correlates of behavioral recovery. 56<sup>th</sup> Annual Meeting of the Academy of Aphasia, Montreal, Canada, Oct. 21-23.
- Mack, J. E.** & Thompson, C. K. Syntactic and thematic mechanisms of subject-verb integration in aphasia and typical sentence comprehension. Tenth Annual Society for the Neurobiology of Language Meeting, Quebec City, Canada, Aug. 16-18.
- Barbieri, E., **Mack, J. E.**, Chiappetta, B., Europa, E., & Thompson, C. K. Neural plasticity and right hemisphere contributions to recovery in aphasia: Evidence from sentence processing treatment. Tenth Annual Society for the Neurobiology of Language Meeting, Quebec City, Canada, Aug. 16-18.

- Mack, J. E.**, Barbieri, E., Mesulam, M.-M., & Thompson, C. K. Quantifying grammatical impairments in primary progressive aphasia: Structured language tests and narrative language production. 48<sup>th</sup> Annual Clinical Aphasiology Conference, Austin, TX, May 23-26.
- Kurland, J., **Mack, J. E.**, Liu, A., Jung, K. J., & Stokes, P. I know what I want to say, I just can't say it: Investigating how semantic and phonemic cueing improve picture naming in aphasia. 48<sup>th</sup> Annual Clinical Aphasiology Conference, Austin, TX, May 23-26.
- Barbieri, E., **Mack, J. E.**, Chiappetta, B., & Thompson, C. K. Mechanisms of neural plasticity during recovery from sentence processing deficits in chronic stroke-induced aphasia: An fMRI study. 25<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston, MA, March 24-27.
- 2017 Walenski, M., **Mack, J. E.**, Mesulam, M. M., & Thompson, C. K. Comprehension of sentences with structurally-defined gaps in primary progressive aphasia: Evidence from eye-tracking. Ninth Annual Society for the Neurobiology of Language Meeting, Baltimore, MD, Nov. 8-10.
- Mack, J. E.**, Mesulam, M. M., & Thompson, C. K. Understanding and combining words during sentence comprehension in primary progressive aphasia. 55<sup>th</sup> Annual Meeting of the Academy of Aphasia, Baltimore, MD, Nov. 5-7.
- Barbieri, E., **Mack, J. E.**, Dougherty, B., & Thompson, C. K. Neurocognitive mechanisms of recovery of sentence comprehension in aphasia: New insights on the role of the right hemisphere. 47<sup>th</sup> Annual Clinical Aphasiology Conference, Snowbird, UT, May 30-June 3.
- Walenski, M., **Mack, J. E.**, Weintraub, S., Mesulam, M. M., & Thompson, C. K. The comprehension of sentences with structurally defined gaps in agrammatic primary progressive aphasia: Evidence from eye-tracking. 47<sup>th</sup> Annual Clinical Aphasiology Conference, Snowbird, UT, May 30-June 3.
- 2016 **Mack, J. E.**, Nerantzini, M., Walenski, M., Liao, M., & Thompson, C. K. Recovery of sentence production processes following language treatment in aphasia: Evidence from eyetracking. 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, Oct. 16-18.
- Mack, J. E.**, Nerantzini, M., Walenski, M., Liao, M., & Thompson, C. K. Language treatment improves online sentence production processes in aphasia: Evidence from eyetracking. International Workshop on Language Production, San Diego, CA, July 25-27.
- Wang, X., Song, X., **Mack, J. E.**, Caplan, D., Kiran, S., Rapp, B., Thompson, C. K., & Parrish, T. B. Reliability of BOLD activation during story comprehension for individuals with aphasia. 22<sup>nd</sup> Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland, June 26-30.
- Mack, J. E.** & Thompson, C. K. Sentence processing in aphasia: Test-retest reliability and effects of language treatment. 46<sup>th</sup> Annual Clinical Aphasiology Conference, Charlottesville, VA, May 23-28.



- Barbieri, E., **Mack, J. E.**, Dougherty, B., & Thompson, C. K. Restoring comprehension and production of NP-movement structures in aphasia using Treatment of Underlying Forms. 46<sup>th</sup> Annual Clinical Aphasiology Conference, Charlottesville, VA, May 23-28.
- Mack, J. E.** & Thompson, C. K. Sentence processing in aphasia: Test-retest reliability and effects of language treatment. 29<sup>th</sup> Annual CUNY Conference on Human Sentence Processing, Gainesville, FL, March 3-5.
- 2015 **Mack, J. E.**, Gutierrez, S., Mesulam, M. M., & Thompson, C. K. Online sentence comprehension in PPA: Verb-based integration and prediction. 53<sup>rd</sup> Annual Meeting of the Academy of Aphasia, Tucson, AZ, Oct. 18-20.
- Barbieri, E., **Mack, J. E.**, Chandler, S. D., Mesulam, M. M., & Thompson, C. K. Grammatical production deficits in PPA: Relating narrative and structured task performance. 53<sup>rd</sup> Annual Meeting of the Academy of Aphasia, Tucson, AZ, Oct. 18-20.
- Lukic, S., Europa, E., **Mack, J. E.**, Mameledzija, M., Rogalski, E. J., Mesulam, M. M., & Thompson, C. K. Neural mechanisms of grammatical production: A voxel-based morphometry study of primary progressive aphasia. Society for Neuroscience, Chicago, IL, Oct. 17-21.
- Mack, J. E.**, Gutierrez, S., Mesulam, M. M., & Thompson, C. K. Online sentence comprehension in PPA: Verb-based integration and prediction. Seventh Annual Society for the Neurobiology of Language Conference, Chicago, IL, Oct. 15-17.
- Wang, X., Song, X., **Mack, J. E.**, Caplan, D., Kiran, S., Rapp, B., Thompson, C. K., & Parrish, T. Reliability of language network BOLD activation. Seventh Annual Society for the Neurobiology of Language Conference, Chicago, IL, Oct. 15-17.
- Wang, X., Song, X., **Mack, J. E.**, Thompson, C. K., & Parrish, T. B. Individual reliability analysis for BOLD activation using intra-class correlation. 21<sup>st</sup> Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI, June 14-18.
- 2014 Wei, A., **Mack, J. E.**, & Thompson, C. K. Reliability of visual-world eyetracking for lexical and sentence comprehension tasks. 52<sup>nd</sup> Annual Meeting of the Academy of Aphasia, Miami, FL, Oct. 5-7.
- Fraser, K. C., Hirst, G., Meltzer, J. A., **Mack, J. E.**, Thompson, C. K. Using statistical analysis parsing to detect agrammatic aphasia. Workshop on Biomedical Natural Language Processing, Annual Meeting of the Association for Computational Linguistics, Baltimore, MD, June 26-27.
- Europa, E., **Mack, J. E.**, Weintraub, S., Mesulam, M. M., Rogalski, E., & Thompson, C. K. Neural correlates of grammatical impairments in primary progressive aphasia. 20<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Hamburg, Germany, June 8-12.
- Europa, E., **Mack, J. E.**, Weintraub, S., Mesulam, M. M., Rogalski, E., & Thompson, C. K. Neural correlates of grammatical impairments in primary progressive aphasia. 44<sup>th</sup> Annual Clinical Aphasiology Conference, St. Simons Island, GA, May 27-June 1.

- 2013 **Mack, J. E.**, Meltzer-Asscher, A., Barbieri, E., Fitzmorris, E., & Thompson, C. K. Dimensions of argument structure complexity: Evidence from fMRI. Fifth Annual Society for the Neurobiology of Language Conference, San Diego, CA, Nov. 6-8.
- Mack, J. E.**, Meltzer-Asscher, A., Dove, S., Weintraub, S., Mesulam, M. M., & Thompson, C. K. Word-finding pauses in primary progressive aphasia (PPA): Effects of lexical category. 51<sup>st</sup> Annual Meeting of the Academy of Aphasia, Lucerne, Switzerland, Oct. 20-22.
- Mack, J. E.**, Meltzer-Asscher, A., Barbieri, E., Fitzmorris, E., & Thompson, C. K. Neural correlates of processing unaccusative verbs. 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA, June 16-20.
- Mack, J. E.**, Meltzer-Asscher, A., Dove, S., Weintraub, S., Mesulam, M. M., & Thompson, C. K. Word-finding pauses in primary progressive aphasia (PPA): Effects of lexical category. 43<sup>rd</sup> Annual Clinical Aphasiology Conference, Tucson, AZ, May 28-June 2.
- Meltzer-Asscher, A., **Mack, J. E.**, Schuchard, J., & Thompson, C. K. Neural correlates of processing English passive sentences. 20<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 13-16.
- Mack, J. E.**, Ji, W., & Thompson, C. K. Effects of verb meaning on lexical integration in agrammatic aphasia. 26<sup>th</sup> Annual CUNY Conference on Human Sentence Processing, University of South Carolina, Columbia, SC, March 21-23.
- 2012 **Mack, J. E.**, Ji, W., & Thompson, C. K. Verb-based facilitation of argument processing in agrammatic aphasia: Evidence from eyetracking. 50<sup>th</sup> Annual Meeting of the Academy of Aphasia, San Francisco, CA, Oct. 28-30.
- Meltzer-Asscher, A., Kiehl, A., **Mack, J. E.**, Weintraub, S., Mesulam, M. M., & Thompson, C. K. Electrophysiological responses to semantic and argument structure violations in agrammatic primary progressive aphasia. 50<sup>th</sup> Annual Meeting of the Academy of Aphasia, San Francisco, CA, Oct. 28-30.
- Thompson, C. K., Lee, J., & **Mack, J. E.** Verbal morphology in agrammatic and anomia aphasia: Comparison of structured vs. narrative elicitation tasks. 50<sup>th</sup> Annual Meeting of the Academy of Aphasia, San Francisco, CA, Oct. 28-30.
- Meltzer-Asscher, A., **Mack, J. E.**, Schuchard, J., & Thompson, C. K. Neural correlates of processing English passive sentences. Fourth Annual Neurobiology of Language Conference, San Sebastián, Spain, Oct. 25-27.
- Thompson, C. K., **Mack, J. E.**, Cho-Reyes, S., Kloebe, J. D., Weineke, C., Weintraub, S., & Mesulam, M. M. Phonological facilitation of object naming in agrammatic and logopenic primary progressive aphasia: Evidence for a phonological processing deficit. 42<sup>nd</sup> Annual Clinical Aphasiology Conference, Lake Tahoe, CA, May 20-25.

- Lee, J., **Mack, J. E.**, & Thompson, C. K. Verbal morphology in agrammatic and anomic aphasia: Comparison of structured vs. narrative elicitation tasks. 42<sup>nd</sup> Annual Clinical Aphasiology Conference, Lake Tahoe, CA, May 20-25.
- Kielar, A., **Mack, J. E.**, Meltzer-Asscher, A., Wali, E., & Thompson, C. K. Neuronal interactions for words and pseudowords during lexical decision. 19<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL, March 31-April 3.
- 2011 Kielar, A., **Mack, J. E.**, Meltzer-Asscher, A., Wali, E., & Thompson, C. K. Neuronal interactions for words and pseudowords during lexical decision. Third Annual Neurobiology of Language Conference, Annapolis, MD, Nov. 9-11.
- Mack, J. E.**, Clifton, C., Frazier, L., & Taylor, P. V. Pragmatic constraints influence the restoration of optional subjects. 24<sup>th</sup> Annual CUNY Conference on Human Sentence Processing, Stanford University, Palo Alto, CA, March 24-26.
- Mack, J. E.** Pragmatic and extra-grammatical processes underlie Copy-Raising. 85<sup>th</sup> Annual Meeting of the Linguistic Society of America, Pittsburgh, PA, Jan. 6-9.
- 2009 **Mack, J. E.** & Fuerst, Y. English optional expletives and the pragmatics of judgments. 45<sup>th</sup> Annual Meeting of the Chicago Linguistic Society, Chicago, IL, April 16-18.
- Mack, J. E.** A pragmatic conspiracy in English. 83<sup>rd</sup> Annual Meeting of the Linguistic Society of America, San Francisco, CA, Jan. 8-11.
- 2008 **Mack, J. E.** "Salience" and the licensing of instrument subjects. 9<sup>th</sup> Conference on Conceptual Structure, Discourse, and Language Conference, Case Western Reserve University, Cleveland, OH, Oct. 18-20.
- Mack, J. E.** Informational roles and "perceptual" verbs without perception. 82<sup>nd</sup> Annual Meeting of the Linguistic Society of America, Chicago, IL, Jan. 3-6.
- 2007 **Mack, J. E.** Licensing by information structure. 33<sup>rd</sup> Annual Meeting of the Berkeley Linguistics Society, Berkeley, CA, Feb. 9-11.
- 2006 Piñango, M. M., **Mack, J. E.**, & Jackendoff, R. Semantic compositional processes in the interpretation of *light* verbs. 19<sup>th</sup> Annual CUNY Conference on Human Sentence Processing, New York, NY, March 23-25.
- Mack, J. E.**, Piñango, M. M., & Jackendoff, R. The on-line processing of complex predicates. 11<sup>th</sup> Biennial Symposium: Intertheoretical perspectives on complex predicates, Rice University, Houston, TX, March 16-18.
- Piñango, M. M., **Mack, J. E.**, & Jackendoff, R. Semantic combinatorial processes in argument structure: Evidence from light-verbs. 32<sup>nd</sup> Annual Meeting of the Berkeley Linguistics Society, Berkeley, CA, Feb. 10-12.

LOCAL PRESENTATIONS (NON PEER-REVIEWED; PAST 5 YEARS ONLY)

- 2021 **Mack, J. E.** Comprehending speakers with aphasia: What are the effects of aphasia education? Department of Linguistics, University of Massachusetts-Amherst, Nov. 12.
- 2019 Litcofsky, K.A., **Mack, J.E.**, & Thompson, C.K. Thematic prediction in sentence processing: Healthy adults and agrammatic aphasia. 3<sup>rd</sup> Annual Chicago Area Sentence Processing Meeting, Chicago, IL, June 21.
- Litcofsky, K., Xie, K., Walenski, M., **Mack, J.E.**, Barbieri, E., Mesulam, M-M., & Thompson, C.K. Sentence processing impairments in primary progressive aphasia: Preliminary findings. 25<sup>th</sup> Annual Alzheimer Day, Mesulam Center for Cognitive Neurology and Alzheimer's Disease, Northwestern University, Chicago, IL, May 9.
- Xie, K., Barbieri, E., **Mack, J. E.**, Wilkins, A., & Thompson, C. K. Neuroplasticity of language networks in primary progressive aphasia: Evidence from a patient with agrammatic variant of PPA. 25<sup>th</sup> Annual Alzheimer Day, Mesulam Center for Cognitive Neurology and Alzheimer's Disease, Northwestern University, Chicago, IL, May 9.
- 2018 **Mack, J.E.** The role of linguistic predictions in language impairments and recovery in aphasia. Department of Psychological and Brain Sciences, University of Massachusetts-Amherst, Sept. 19.
- Mack, J. E.** & Thompson, C. K. Syntactic and thematic mechanisms of subject-verb integration in aphasia and typical sentence comprehension. Lynschrift 18, an Homage to UMass Linguist Lyn Frazier, University of Massachusetts-Amherst, May 19-20.
- 2017 **Mack, J. E.** & Thompson, C. K. Treatment-induced recovery of online sentence processing in aphasia. Chicago Area Sentence Processing Meeting, Chicago, IL, Nov. 20.
- Mack, J. E.**, Barbieri, E., Dougherty, B., & Thompson, C. K. Recovery of online sentence processing in aphasia. Annual Data Blitz, Cognitive Brain Mapping Group, Northwestern University, Evanston, IL, June 2.
- Mack, J. E.**, Mesulam, M. M., & Thompson, C. K. Understanding and combining words during sentence comprehension in primary progressive aphasia. 23<sup>rd</sup> Annual Alzheimer Day, Cognitive Neurology and Alzheimer's Disease Center, Northwestern University, Chicago, IL, May 11.
- Walenski, M., **Mack, J. E.**, Mesulam, M. M., & Thompson, C. K. The comprehension of sentences with structurally defined gaps in agrammatic primary progressive aphasia: Evidence from eye-tracking. 23<sup>rd</sup> Annual Alzheimer Day, Cognitive Neurology and Alzheimer's Disease Center, Northwestern University, Chicago, IL, May 11.

## TEACHING

### CLASSROOM TEACHING

*UNDERGRADUATE COURSES, UNIVERSITY OF MASSACHUSETTS-AMHERST*  
Introduction to Communication Disorders (Fall 2018; 100-level)

Anatomy & Physiology II: Neurological Bases of Speech, Language, and Hearing (Spring 2018-2022, 2024; with associated Honors Colloquium in Spring 2020; 200-level)

Introduction to Language Science (Fall 2019, 2020, 2022-2024; 200-level)

*GRADUATE COURSES, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Language Disorders in Adults-II (Spring 2019-2021, 2023)

*UNDERGRADUATE COURSES, YALE UNIVERSITY*

Introduction to Linguistics (Summer 2008, 2009)

RESEARCH MENTORSHIP

*DOCTORAL COMPREHENSIVE EXAM COMMITTEE CHAIR, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Miriam Muñoz. Neuroscience and Behavior Graduate Program, Comprehensive Exam Part 2. Defended March 24, 2022.

*DOCTORAL DISSERTATION AND COMPREHENSIVE EXAM COMMITTEE MEMBER, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Natasha De La Rosa-Rivera. Neuroscience and Behavior Graduate Program, Comprehensive Exam Part 2 defended Nov. 24, 2020; Doctoral Dissertation defended June 9, 2023.

*MA THESIS CHAIR, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Colleen Ward. Department of Communication Disorders. Defended March 4, 2022. "The effects of spoken self-disclosure scripts on nonaphasic listeners' perceptions of people with aphasia."

*UNDERGRADUATE HONORS THESIS COMMITTEE CHAIR, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Mahima Bhattacharjee (in progress; May 2025).

Laura Gay (in progress; May 2025).

Elizabeth Laughlin (in progress; December 2024).

Megan Bondar (May 2024). "Social Identity and aphasia: Exploring how gender and empathy interact in communicative spaces."

Pankhudi Gupta (May 2024). "What aspects of narrative content best predict listeners' comprehension of people with aphasia?"

Christine Reggio (May 2021). "Brain areas of activation during phonological competition: An eye-tracking and fMRI study."

Maguatte Mbengue (May 2020). "Predictive eye movements and sentence comprehension accuracy of college students under temporarily restricted working memory."

Lauren Hourican (May 2020). "The effects of competing fMRI noise on auditory language processing."

Colleen Ward (May 2020). "The effect of aphasia ID cards on neurotypical comprehension of aphasic language."

*UNDERGRADUATE HONORS THESIS COMMITTEE MEMBER, UNIVERSITY OF MASSACHUSETTS-AMHERST*

Jiayi Ruan (May 2022). "An examination of methods for conveying novel information in dyadic conversations involving persons with aphasia."

## **SERVICE**

### **DEPARTMENT OF SPEECH, LANGUAGE, AND HEARING SCIENCES, UNIVERSITY OF MASSACHUSETTS-AMHERST**

Honors Program Director (2023-present)

Summer Undergraduate Research Internship Program, Co-Chair (2022-present)

Graduate Admissions Committee, Member (2022-2023, 2023-2024)

MPH Program Faculty Search Committee, Member (2023-2024)

Academic Advisor to MA students in speech-language pathology (2018-present)

Liaison to MA students in speech-language pathology and clinical supervisors (2018-present)

Faculty advisor, National Student Speech Language Hearing Association (2021-2022)

Student Awards Committee, Member (2021-2022)

Curriculum Committee, Member (2018-2021); Chair (2018-2020)

Personnel Committee, Member (2020-2021)

Development of Cultural Standards Document for Tenure-Track Faculty (Ad-Hoc committee member; 2020)

### **NEUROSCIENCE AND BEHAVIOR GRADUATE PROGRAM, UNIVERSITY OF MASSACHUSETTS-AMHERST**

Seminar Committee Member (2021-2023)

Graduate Admissions Committee Member (2020-2021)

### **SCHOOL OF PUBLIC HEALTH AND HEALTH SCIENCES, UNIVERSITY OF MASSACHUSETTS-AMHERST**

Research Committee Member (2022-2023)

Curriculum Committee Member (2018-2019)

## **CAMPUS-LEVEL SERVICE**

Session Chair, Massachusetts Undergraduate Research Conference (2022, 2023)

## **SERVICE TO THE PROFESSION**

Editorial Board, *Journal of Speech, Language, and Hearing Research* (2019-present)

Mentor, Academy of Aphasia Mentorship Program (2021, 2022)

Program Committee, American Speech-Language-Hearing Association Annual Convention (Language Disorders in Adults topic area) (2020, 2021)

Faculty Organizational Support, CUNY Conference on Human Sentence Processing (2020)

Program Committee, Clinical Aphasiology Conference (2017)

Abstract Reviewer, Society for the Neurobiology of Language Conference (2011, 2012, 2016, 2017)

Ad-hoc manuscript reviewer: *American Journal of Speech-Language Pathology*, *Aphasiology*, *Brain*, *Brain and Language*, *Cognitive Neuropsychology*, *Cortex*, *Ear and Hearing*, *Frontiers in Human Neuroscience*, *Frontiers in Psychology*, *Journal of Communication Disorders*, *Journal of Linguistics*, *Journal of Psycholinguistic Research*, *Journal of Speech, Language, and Hearing Research*, *Language and Cognition*, *Language and Cognitive Processes*, *Language, Cognition, and Neuroscience*, *Language and Speech*, *Neural Plasticity*, *Neurobiology of Aging*, *Neurocase*, *Neuropsychologia*, *Neuroscience and Neuroeconomics*, *Quarterly Journal of Experimental Psychology*, *Topics in Language Disorders*

## **OUTREACH**

Panelist, "Aphasia from All Sides", hosted virtually by University of Michigan (December 16, 2022).

## **PROFESSIONAL AFFILIATIONS**

American Speech-Language-Hearing Association (2017-); Special Interest Group 2: Neurogenic Communication Disorders

Academy of Aphasia (2012-)  
Society for the Neurobiology of Language (2011-)  
Cognitive Neuroscience Society (2011-2013)  
Linguistic Society of America (2003-2011)