

Curriculum Vitae

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BIOGRAPHICAL

Name: Michael Walsh Dickey

Business Address: Department of Communication Science
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University of Pittsburgh
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EDUCATION AND TRAINING

Undergraduate

1988-1992 University of North Carolina, Chapel Hill B.A., Highest Honors Linguistics
1992

Graduate

1992-1999 University of Massachusetts, Amherst Ph.D. Linguistics
2000

Post-graduate

2000-2003 Northwestern University, Evanston IL Post-doctoral Communication
fellowship Sciences & Disorders

APPOINTMENTS AND POSITIONS

Academic

1999-2000 Northwestern University, Evanston IL Visiting Assistant Professor
Department of Linguistics

2000-2003 Northwestern University, Evanston IL Assistant Professor, Part Time
Department of Linguistics

2003-2007 Northwestern University, Evanston IL Senior Research Associate
Department of Communication Sciences & Disorders

2007-2013 University of Pittsburgh, Pittsburgh PA Assistant Professor
Department of Communication Science & Disorders

2009-2013 University of Pittsburgh, Pittsburgh PA Assistant Professor
Department of Psychology, Cognitive Division

2009, 2011	Singapore Institute of Management, Singapore Department of Psychology	Visiting Professor
2010	University of Potsdam, Potsdam, Germany Erasmus Mundi Masters in Clinical Linguistics	Visiting Scholar
2013-2021	University of Pittsburgh, Pittsburgh PA Department of Communication Science & Disorders	Associate Professor
2013-2021	University of Pittsburgh, Pittsburgh PA Department of Psychology, Cognitive Division	Associate Professor
2014	National Research University, Moscow, Russia Neurolinguistics Laboratory, Higher School of Economics	Visiting Scholar
Since 2018	Center for the Neural Basis of Cognition Carnegie Mellon University, University of Pittsburgh	Faculty Affiliate
2019	LaTrobe University, Melbourne, Australia Centre for Research Excellence in Aphasia Recovery and Rehabilitation	Visiting Research Fellow
Since 2021	University of Pittsburgh, Pittsburgh PA Department of Communication Science & Disorders	Professor
Since 2021	University of Pittsburgh, Pittsburgh PA Department of Psychology, Cognitive Division	Professor
Since 2022	University of Pittsburgh, Pittsburgh PA School of Health and Rehabilitation Sciences	Assistant Dean, Graduate Studies

Non-academic

Since 2007	VA Pittsburgh Healthcare System, Pittsburgh PA Geriatric Research Education and Clinical Center	Research Health Scientist
Since 2020	LaTrobe University, Melbourne, Australia Centre for Research Excellence in Aphasia Recovery and Rehabilitation	Research Affiliate

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

Academy of Aphasia	2004-present
Fellow of the Academy	2019-present
Member, Program Committee	2017-2019
Chair, Program Committee	2019
Treasurer	2021-2023
Member, Board of Governors	2022-present
Cognitive Science Society	2004-2006
Society for the Neurobiology of Language	2020-present
Human Sentence Processing Society	2022-present

HONORS

1989-1992	James M. Johnston Scholar, University of North Carolina, Chapel Hill
1993	National Science Foundation Graduate Fellowship, honorable mention

PUBLICATIONS

Note: * publication whose primary author is/was a student or postdoctoral mentee of MW Dickey

1. Refereed articles

1. Dickey MW, Thompson CK. The resolution and recovery of filler-gap dependencies in aphasia: evidence from on-line anomaly detection. *Brain Lang.* 2004 Jan;88(1):108-27. PubMed PMID: 14698736
2. Carlson K, Dickey MW, Kennedy C. Structural economy in the processing and representation of gapping sentences. *Syntax.* 2005 Dec;8(3):208-228.
3. Dickey MW, Choy JJ, Thompson CK. Real-time comprehension of wh- movement in aphasia: evidence from eyetracking while listening. *Brain Lang.* 2007 Jan;100(1):1-22. PubMed PMID: 16844211; PubMed Central PMCID: PMC1850624
4. Dickey MW, Thompson CK. The relation between syntactic and morphological recovery in agrammatic aphasia: A case study. *Aphasiology.* 2007 Aug;21(6-8):604-616. PubMed PMID: 18074005; PubMed Central PMCID: PMC2131719.
5. Dickey MW, Milman LH, Thompson CK. Judgment of functional morphology in agrammatic aphasia. *J Neurolinguistics.* 2008 Jan;21(1):35-65. PubMed PMID: 18438453; PubMed Central PMCID: PMC2344149.
6. Milman LH, Dickey MW, Thompson CK. A psychometric analysis of functional category production in English agrammatic narratives. *Brain Lang.* 2008 Apr;105(1):18-31. PubMed PMID: 18255135; PubMed Central PMCID: PMC2926308.
7. Carlson K, Dickey MW, Frazier L, Clifton C Jr. Information structure expectations in sentence comprehension. *Q J Exp Psychol (Hove).* 2009 Jan;62(1):114-39. PubMed PMID: 18609404; PubMed Central PMCID: PMC2713347.
8. Faroqi-Shah Y, Dickey MW. On-line processing of tense and temporality in agrammatic aphasia. *Brain Lang.* 2009 Feb;108(2):97-111. PubMed PMID: 19081129.
9. Lederer LG, Scott AG, Tompkins CA, Dickey MW. Imageability effects on sentence judgement by right-brain-damaged adults. *Aphasiology.* 2009 Mar 1;23(7-8):1005-1015. PubMed PMID: 20054429; PubMed Central PMCID: PMC2801907.

10. Sung, JE, McNeil MR, Pratt SR, Dickey MW, Hula WD, Szuminsky NJ, Doyle PJ. Verbal working memory and its relationship to sentence-level reading and listening comprehension in persons with aphasia. *Aphasiology*. 2009 Mar 1;23(7-8):1040-1052.
11. Dickey MW, Thompson CK. Automatic processing of wh- and NP-movement in agrammatic aphasia: Evidence from eyetracking. *J Neurolinguistics*. 2009 Nov 1;22(6):563-583. PubMed PMID: 20161014; PubMed Central PMCID: PMC2748948.
12. Dickey MW, Yoo H. Predicting outcomes for linguistically-specific sentence treatment protocols. *Aphasiology*. 2010 Jul;24(6-8):787-801.
13. Dickey MW, Bunger AC. Comprehension of elided structure: Evidence from sluicing. *Lang Cogn Process*. 2011 Jan;26(1):63-78.
14. Sung JE, McNeil MR, Pratt SR, Dickey MW, Fassbinder W, Kim AL, Doyle PJ. Real-time processing in reading sentence comprehension for normal adult individuals and persons with aphasia. *Aphasiology*. 2011 Jan;25(1):57-70.
15. Yoshida M, Dickey MW, Sturt P. Predictive processing of syntactic structure: Sluicing and ellipsis in real-time sentence processing. *Lang Cogn Process*. 2013 April; 28(3):272-302.
16. Winans-Mitrik RL, Hula WD, Dickey MW, Schumacher JG, Swoyer B, Doyle PJ. Description of an intensive residential aphasia treatment program: rationale, clinical processes, and outcomes. *Am J Speech Lang Pathol*. 2014 May;23(2):S330-42. doi: 10.1044/2014_AJSLP-13-0102. PubMed PMID: 24687159.
17. Dickey MW, Warren T. The influence of event-related knowledge on verb-argument processing in aphasia. *Neuropsychologia*. 2015 Jan;67:63-81. doi: 10.1016/j.neuropsychologia.2014.12.003. Epub 2014 Dec 5. PubMed PMID: 25484306; PubMed Central PMCID: PMC4297691.
18. Gattei CA, Dickey MW, Wainelboim AJ, París L. The thematic hierarchy in sentence comprehension: A study on the interaction between verb class and word order in Spanish. *Q J Exp Psychol (Hove)*. 2015;68(10):1981-2007. doi: 10.1080/17470218.2014.1000345. Epub 2015 Feb 16. PubMed PMID: 25529525.
19. Warren T, Milburn E, Patson ND, Dickey MW. Comprehending the impossible: what role do selectional restriction violations play?. *Lang Cogn Neurosci*. 2015 Oct 1;30(8):932-939. doi: 10.1080/23273798.2015.1047458. Epub 2015 Jun 29. PubMed PMID: 26618186; PubMed Central PMCID: PMC4657450.
20. den Ouden DB, Dickey MW, Anderson C, Christianson K. Neural correlates of early-closure garden-path processing: Effects of prosody and plausibility. *Q J Exp Psychol (Hove)*. 2016;69(5):926-49. doi: 10.1080/17470218.2015.1028416. Epub 2015 May 8. PubMed PMID: 25801097.
21. Milburn E, Warren T, Dickey MW. World knowledge affects prediction as quickly as selectional restrictions: Evidence from the visual world paradigm. *Lang Cogn Neurosci*. 2016;31(4):536-548. doi: 10.1080/23273798.2015.1117117. Epub 2015 Dec 18. PubMed PMID: 27148555; PubMed Central PMCID: PMC4852879.

22. Warren T, Dickey MW, Lei CM. Structural Prediction in Aphasia: Evidence from either. *J Neurolinguistics*. 2016 Aug 1;39:38-48. doi: 10.1016/j.jneuroling.2016.01.001. PubMed PMID: 27041821; PubMed Central PMCID: PMC4812443.
23. *Evans WS, Quimby M, Dickey MW, Dickerson BC. Relearning and Retaining Personally-Relevant Words using Computer-Based Flashcard Software in Primary Progressive Aphasia. *Front Hum Neurosci*. 2016;10:561. doi: 10.3389/fnhum.2016.00561. eCollection 2016. PubMed PMID: 27899886; PubMed Central PMCID: PMC5110537.
24. *Hayes RA, Dickey MW, Warren T. Looking for a Location: Dissociated Effects of Event-Related Plausibility and Verb-Argument Information on Predictive Processing in Aphasia. *Am J Speech Lang Pathol*. 2016 Dec 1;25(4S):S758-S775. doi: 10.1044/2016_AJSLP-15-0145. PubMed PMID: 27997951; PubMed Central PMCID: PMC5569622.
25. Durisko C, McCue M, Doyle PJ, Dickey MW, Fiez JA. A Flexible and Integrated System for the Remote Acquisition of Neuropsychological Data in Stroke Research. *Telemed J E Health*. 2016 Dec;22(12):1032-1040. doi: 10.1089/tmj.2015.0235. Epub 2016 May 23. PubMed PMID: 27214198; PubMed Central PMCID: PMC5165659.
26. *Yang Y, Dickey MW, Fiez J, Murphy B, Mitchell T, Collinger J, Tyler-Kabara E, Boninger M, Wang W. Sensorimotor experience and verb-category mapping in human sensory, motor and parietal neurons. *Cortex*. 2017 Jul;92:304-319. doi: 10.1016/j.cortex.2017.04.021. Epub 2017 May 6. PubMed PMID: 28575757; PubMed Central PMCID: PMC5543720.
27. Warren T, Dickey MW, Liburd TL. A rational inference approach to group and individual-level sentence comprehension performance in aphasia. *Cortex*. 2017 Jul;92:19-31. doi: 10.1016/j.cortex.2017.02.015. Epub 2017 Mar 15. PubMed PMID: 28391038; PubMed Central PMCID: PMC5485413.
28. *Yoo, H, & Dickey, MW. Aging Effects and Working Memory in Garden-Path Recovery. *Clin Arch Comm Disorders*. 2017 Sep;2(2):91–102. doi: <http://dx.doi.org/10.21849/cacd.2017.00122>
29. Milburn E, Warren T, Dickey MW. Idiom comprehension in aphasia: Literal interference and abstract representation. *J Neurolinguistics*. 2018 Aug;47:16-36. doi: 10.1016/j.jneuroling.2018.02.002. Epub 2018 Feb 22. PubMed PMID: 30220789; PubMed Central PMCID: PMC6135106
30. *Gravier ML, Dickey MW, Hula WD, Evans WS, Owens RL, Winans-Mitrik RL, Doyle PJ. What Matters in Semantic Feature Analysis: Practice-Related Predictors of Treatment Response in Aphasia. *Am J Speech Lang Pathol*. 2018 Mar 1;27(1S):438-453. doi: 10.1044/2017_AJSLP-16-0196. PubMed PMID: 29497754.
31. *Forster SE, Dickey MW, Forman SD. Regional cerebral blood flow predictors of relapse and resilience in substance use recovery: A coordinate-based meta-analysis of human neuroimaging studies. *Drug Alcohol Depend*. 2018 Apr 1;185:93-105. doi: 10.1016/j.drugalcdep.2017.12.009. Epub 2018 Feb 5. PubMed PMID: 29428325.

32. Lipski WJ, Alhourani A, Pirnia T, Jones PW, Dastolfo-Hromack C, Helou LB, Crammond DJ, Shaiman S, Dickey MW, Holt LL, Turner RS, Fiez JA, Richardson RM. Subthalamic Nucleus Neurons Differentially Encode Early and Late Aspects of Speech Production. *J Neurosci*. 2018 Jun 13;38(24):5620-5631. doi: 10.1523/JNEUROSCI.3480-17.2018. Epub 2018 May 22. PubMed PMID: 29789378; PubMed Central PMCID: PMC6001034.
33. *Quique YM, Evans WS, Dickey MW. Acquisition and Generalization Responses in Aphasia Naming Treatment: A Meta-Analysis of Semantic Feature Analysis Outcomes. *Am J Speech Lang Pathol*. 2019 Mar 11;28(1S):230-246. doi: 10.1044/2018_AJSLP-17-0155. PubMed PMID: 30208415.
34. Chrabaszcz A, Neumann WJ, Stretcu O, Lipski WJ, Bush A, Dastolfo-Hromack C, Wang D, Crammond DJ, Shaiman S, Dickey MW, Holt LL, Turner RS, Fiez JA, Richardson RM. Subthalamic nucleus and sensorimotor cortex activity during speech production. *J Neurosci*. 2019, Apr 3;39(14):2698-2708. doi: 10.1523/JNEUROSCI.2842-18.2019. Epub 2019 Jan 30. PMID: 30700532; PMCID: PMC6445998
35. *Dresang HC, Dickey MW, Warren TC. Semantic memory for objects, actions, and events: A novel test of event-related conceptual semantic knowledge. *Cogn Neuropsychol*. August 2019:1-23. doi:10.1080/02643294.2019.1656604. NIHMSID: 1537886
36. Kim N, Carlson K, Dickey MW, Yoshida M. Processing gapping: Parallelism and grammatical constraints. *Q J Exp Psychol (Hove)*. 2020, May, 73(5), 781-798.
37. Hula WD, Panesar S, Gravier ML, Yeh FC, Dresang HC, Dickey MW, Fernandez-Miranda JF. Structural White Matter Connectometry of Word Production in Aphasia: An Observational Study. *Brain*, 2020, Aug, 143(8), 2532–2544, <https://doi.org/10.1093/brain/awaa193>.
38. Harvey S, Carragher M, Dickey MW, Pierce J, Rose M. Treatment dose in post-stroke aphasia: a systematic scoping review. *Neuropsychol Rehabil*, 2020, Jul., 1-32, DOI: 10.1080/09602011.2020.1786412.
39. Harvey S, Carragher M, Dickey MW, Pierce JE, Rose ML. Dose effects in behavioural treatment of post-stroke aphasia: a systematic review and meta-analysis. 2020, November 9, 2020:1-12. doi:10.1080/09638288.2020.1843079
40. Yoo H, McNeil MR, Dickey MW, Terhorst L. Linguistic and Nonlinguistic Processing Speed across Age-matched Normal Healthy Controls, Left-Hemisphere Damage With, and Without Aphasia. *Aphasiology*, 2021, 18 Jan, <https://doi.org/10.1080/02687038.2020.1853966>.
41. *Dresang HC, Warren TC, Hula WD, Dickey MW. Rational adaptation in using conceptual versus lexical information in adults with aphasia. *Front. Psychol.*, 2021, 28 Jan., 12(1), <https://doi.org/10.3389/fpsyg.2021.589930>.
42. *Dresang HC, Hula WD, Yeh FC, Warren TC, Dickey MW. White-Matter Neuroanatomical Predictors of Aphasic Verb Retrieval. *Brain Connectivity*. 2021;11(4):319-330. doi:[10.1089/brain.2020.0921](https://doi.org/10.1089/brain.2020.0921)

43. Evans WS, Cavanaugh R, Gravier ML, Doyle PJ, Hula WD, Dickey MW. Effects of Semantic Feature Type, Diversity, and Quantity on Semantic Feature Analysis Treatment Outcomes in Aphasia. *Am J Speech Lang Pathol*. 2021, 11 Feb., 30(1S), 344-358, https://doi.org/10.1044/2020_AJSLP-19-00112
44. Warren TC, Dickey MW. The use of linguistic and world knowledge in language comprehension. *Lang Linguist Compass*, 15: e12411. <https://doi.org/10.1111/lnc3.12411>.
45. Chrabaszcz A, Wang D, Lipski WJ, Bush A, Crammond DJ, Shaiman S, Dickey MW, Holt LL, Turner RS, Fiez JA, Richardson RM. Simultaneously recorded subthalamic and cortical LFPs reveal different lexicality effects during reading aloud. *Journal of Neurolinguistics*. 2021;60:101019. [doi: 10.1016/j.jneuroling.2021.101019](https://doi.org/10.1016/j.jneuroling.2021.101019).
46. Kersey J, Evans WS, Mullen W, Askren A, Cavanaugh RC, Wallace SE, Hula WD, Dickey MW, Terhorst L, Skidmore E. Metacognitive Strategy Training Is Feasible for People With Aphasia. *OTJR: Occupation, Participation and Health*. 2021;41(4):309-318. [doi:10.1177/15394492211023196](https://doi.org/10.1177/15394492211023196)
47. *Forster SE, Forman SD, Gancz NN, Siegle GJ, Dickey MW, Steinhauer SR. Electrophysiological predictors and indicators of contingency management treatment response: Rationale and design for the ways of rewarding abstinence project (WRAP). *Contemporary Clinical Trials Communications*. 2021;23:100796. [doi:10.1016/j.conctc.2021.100796](https://doi.org/10.1016/j.conctc.2021.100796)
48. Dastolfo-Hromack C, Bush A, Chrabaszcz A, et al. Articulatory Gain Predicts Motor Cortex and Subthalamic Nucleus Activity During Speech. *Cerebral Cortex*. Published online September 1, 2021:bhab251. [10.1093/cercor/bhab251](https://doi.org/10.1093/cercor/bhab251).
49. *Swiderski A, *Quique Y, Dickey MW, Hula WD. Treatment of Underlying Forms: A Bayesian Meta-Analysis of the Effects of Treatment and Person-Related Variables on Treatment Response. *J. Speech Lang Hearing Res*. 2021;64(11):4308-4328. [doi:10.1044/2021_JSLHR-21-00131](https://doi.org/10.1044/2021_JSLHR-21-00131).
50. Lescht E, Dickey MW, Stockbridge M, Bernstein-Ratner N. Adults Who Stutter Show Diminished Word Fluency, Regardless of Mode. *J. Speech Lang Hearing Res*. 2022;65(3):906-922. [doi:10.1044/2021_JSLHR-21-00344](https://doi.org/10.1044/2021_JSLHR-21-00344)
51. *Quique Y, Evans WS, Ortega-Llebaria M, Zipse L, Dickey MW. Get in Sync: Active Ingredients and Patient Profiles in Scripted-Sentence Learning in Spanish Speakers With Aphasia. *J. Speech Lang Hearing Res*. Published online March 1, 2022. [doi:10.1044/2021_JSLHR-21-00060](https://doi.org/10.1044/2021_JSLHR-21-00060)
52. Wang D, Lipski WJ, Bush A, et al. Lateralized and region-specific thalamic processing of lexical status during reading aloud. *J Neurosci*. Published online March 1, 2022:JN-RM-1332-21. [doi:10.1523/JNEUROSCI.1332-21.2022](https://doi.org/10.1523/JNEUROSCI.1332-21.2022)
53. Cavanaugh R, Quique YM, Dickey MW, Hula WD, Boss E, Evans WS. Practice-Related Predictors of Semantic Feature Verification Treatment for Aphasia. *Am J Sp-Lang Pathol*. 2022;31(5S):2366-2377. [doi:10.1044/2021_AJSLP-21-00296](https://doi.org/10.1044/2021_AJSLP-21-00296)

54. Pompon RH, Fassbinder W, McNeil MR, ... Dickey MW. Associations among depression, demographic variables, and language impairments in chronic post-stroke aphasia. *J Comm Disord*. 2022;100:106266. doi:[10.1016/j.jcomdis.2022.106266](https://doi.org/10.1016/j.jcomdis.2022.106266)
55. Duricy E, Durisko C, Dickey MW, Fiez JA. Comparing the Reliability of Virtual and In-Person Post-Stroke Neuropsychological Assessment with Language Tasks. *Arch Clin Neuropsychol*. Published online 2022.
56. Harvey S, Rose ML, Brogan E, et al. Examining Dose Frameworks to Improve Aphasia Rehabilitation Research. *Arch Phys Med Rehab*. Published online December 24, 2022. doi:[10.1016/j.apmr.2022.12.002](https://doi.org/10.1016/j.apmr.2022.12.002)
57. *Gravier ML, Hula WD, Johnson JP, Autenreith A, Dickey MW. Is There a Relationship Between Cortisol and Treatment Response in Chronic Aphasia? *Top Lang Disord*. 2022;42(3):193-211.
58. Harvey S, Carragher M, Dickey MW, Rose ML. Outcomes from a pilot dose comparison study of naming therapy in aphasia. *Aphasiology*. 2022;0(0):1-28. doi:[10.1080/02687038.2022.2144112](https://doi.org/10.1080/02687038.2022.2144112)
59. Milburn E, Dickey MW, Warren T, Hayes R. Increased reliance on world knowledge during language comprehension in healthy aging: evidence from verb-argument prediction. *Aging, Neuropsychology, and Cognition*. 2023;30(1):1-33. doi:[10.1080/13825585.2021.1962791](https://doi.org/10.1080/13825585.2021.1962791)
60. Fergadiotis G, Casilio M, Dickey MW, et al. Item Response Theory Modeling of the Verb Naming Test. *J Speech, Lang, Hearing Res*. Published online March 2023:1-22. doi:[10.1044/2023_jslhr-22-00458](https://doi.org/10.1044/2023_jslhr-22-00458)
61. *Lei CM, Tompkins CA, Dickey MW. Right hemisphere's contribution to processing Chinese characters: Radical configuration, a characteristic independent from spatial frequency. *Q J Exp Psychol (Hove)*. Submitted.
62. *Lei CM, Dickey MW, Tompkins CA. Right Hemisphere Accesses Semantics Directly via Orthography Bypassing Phonology with Chinese Characters. *Applied Psycholing*. Submitted.
63. *Quique YM, Dresang HC, Dickey MW. Preliminary investigation of semantic memory assessments in Colombian adults with and without post-stroke aphasia. *International J. Stroke*. Submitted.
64. Sandberg CW, Gray T, Khorassani H, Dickey MW. Meta-analytic evidence for the efficacy of AbSANT. *Front Rehabilitation*. Submitted.
65. Quique YM, Gnanateja GN, Dickey MW, Evans WS, Chandrasekaran B. Examining cortical tracking of the speech envelope in post-stroke aphasia. *Front Hum Neurosci*. Submitted.

2. Reviews, Conference Proceedings, Books, and Book Chapters

Reviews

1. Dickey MW. Review of I. Krämer, *Interpreting Indefinites*. *Glott International*. 2002 Apr; 6(4):97-103.

2. Dickey MW. Prayer, pronouns, and reference to God. *J Textual Reasoning* [Internet]. 2007 Dec 1; 5(1). Available from:
http://etext.lib.virginia.edu/journals/tr/volume5/number1/TR05_01_dickey.html

Conference proceedings

1. Jackson J, Ramos E, Hall F, Coles D, Seymour H, Dickey MW, Broderick K, Hollebrandse B. 'They be taggin', don't they?': The acquisition of invariant be. In *Proceedings of the 20th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press; 1996;20(1):364-373.
2. Dickey MW. Switch-Reference and clause chaining in Miskitu. In Kusumoto K, Tamanji, PN, editors. *Proceedings of the 28th Annual North Eastern Linguistic Society Meeting*. Amherst, MA: GLSA; 1998;28(2):47-61.
3. Dickey MW, Burg E, Goldsborough R, Gurry MB, Highsmith J, and Tester K. A Midwestern double modal. In Boyle J, Lee J-H, Orkent A, editors. *Proceedings from the Annual Meeting of the Chicago Linguistic Society*. Chicago, IL: Chicago Linguistic Society; 2000;36(2):207-221.
4. Proctor AS, Dickey MW, Rips L. The time-course and cost of telicity inferences. In *Proceeding of the 26th Annual Meeting of the Cognitive Science Society*. Cambridge, MA: Cascadilla Press; 2004.
5. Dickey MW, Thompson CK. Neurolinguistic evidence for the (non-)unity of wh-structures. In *Proceedings from the 43rd Annual Meeting of the Chicago Linguistic Society*. Chicago, IL: Chicago Linguistic Society; 2007;43(2):169-183.
6. *Lei C, Dresang HC, Holcomb MB, Warren TC, Dickey MW. Neural bases of semantic-memory deficits for events. *Proceedings of the 2016 Cognitive Science Society*. Cognitive Science Society; 2016; Philadelphia, Pennsylvania, United States. Cambridge, MA: Cascadilla Press;
<https://pdfs.semanticscholar.org/5946/cb278f632728fcee17bc3c63536fe9ecb3c7e.pdf>

Books

1. Dickey MW, Tunstall S, editors. *University of Massachusetts Occasional Papers in Linguistics 19: Linguistics in the Laboratory*. Amherst, MA: GLSA; 1996.
2. Dickey MW. *The Processing of Tense: Psycholinguistic Studies on the Interpretation of Tense and Temporal Relations*. *Studies in Theoretical Psycholinguistics*. Dordrecht: Kluwer Academic Publishers; 2001.

Book chapters

1. Dickey MW. Inversion in child English and acquisition in Optimality Theory. In Beckman J, Walsh Dickey L, Urbanczyk S, editors. *University of Massachusetts Occasional Papers in Linguistics 18: Papers in Optimality Theory*. Amherst, MA: GLSA; 1995. p. 575-588.
2. Dickey MW. Constraints on the sentence processor and the distribution of resumptive pronouns. In Dickey MW, Tunstall S, editors. *University of Massachusetts Occasional Papers in Linguistics 19: Linguistics in the Laboratory*. Amherst, MA: GLSA; 1996. p.157-192.

3. Dickey MW, Johnson V, Roeper T, Seymour H. Tense and discourse in African-American English. In Hollebrandse B, editor. Proceedings of the New Perspectives on Language Acquisition Conference. Amherst, MA: GLSA; 1999. p. 107-124.
4. Dickey MW. Switch-Reference, dependent Tense, and asymmetric coordination in Miskitu. In Benedicto E, editor. University of Massachusetts Occasional Papers in Linguistics 20: Indigenous Languages. Amherst, MA: GLSA; 2001.
5. Dickey MW. Tense and scope: gerundive relatives and the interpretation of DPs. In Alonso-Ovalle L, editor. *University of Massachusetts Occasional Papers in Linguistics 27: On Semantic Processing*. Amherst, MA: GLSA; 2003. p. 56-78.
6. Warren T, Dickey MW. On-line costs for predicting upcoming syntactic structure. In Grant M, Harris J, editors. University of Massachusetts Occasional Papers in Linguistics: Processing Structure. Amherst, MA: GLSA; 2010. p. 85-100.
7. Yoshida M, Lee J, Dickey MW. The island (in)sensitivity of sluicing and sprouting. In Sprouse J, Hornstein N, editors. *Experimental Syntax and Island Effects*. Cambridge: Cambridge University Press; 2013. p. 360-376.
8. Colvin M, Warren T, Dickey MW. Event knowledge and verb knowledge predict sensitivity to different aspects of semantic anomalies in aphasia. In: *Grammatical Approaches to Language Processing*. Carlson K, Clifton CE, Fodor JD, editors. Dordrecht, The Netherlands: Springer; 2019. p. 241-259.

3. Published abstracts

1. Dickey MW, Thompson CK. The resolution and recovery of filler-gap dependencies in aphasia: Evidence from on-line anomaly detection. *Brain Lang*, 2002 Oct;83(1):162-164.
2. Thompson CK, Dickey MW, Choy JJ. Complexity in the comprehension of wh-movement structures in agrammatic Broca's aphasia: evidence from eyetracking. *Brain Lang*, 2004 Oct;91(1):124-125.
3. Milman LH, Dickey MW, Thompson CK. Production of functional categories in agrammatic narratives: an IRT analysis. *Brain Lang*, 2004 Oct;91(1):126-127.
4. Fix SC, Dickey MW, Thompson CK. Impairments of derivational word formation in agrammatic aphasia. *Brain Lang*, 2005 Oct;95(1):131-132.
5. Dickey MW, Milman LH, Thompson CK. Perception of functional morphology in agrammatic Broca's aphasia." *Brain Lang*, 2005 Oct;95(1): 82-83.
6. Dickey MW, Thompson CK. Automatic processing of wh- and NP-movement in agrammatic aphasia. *Brain Lang*, 2006 Oct;99(1):63-64.

7. Thompson CK, Milman LH, Dickey MW, O'Connor JE, Bonakdarpour B, Fix SC, Choy JJ, Arcuri DF. Functional category production in agrammatism: Treatment and generalization effects. *Brain Lang*, 2006 Oct;99(1):69-71.
8. Thompson CK, Dickey MW, Lee J, Cho S, Griffin ZM. Verb argument structure encoding during sentence production in agrammatic aphasic speakers: An eye-tracking study. *Brain Lang*, 2006 Oct;103(1):24-26.
9. Faroqi-Shah Y, Dickey MW, Sampson M. On-line processing of tense and temporality in agrammatic aphasia. *Brain Lang*, 2006 Oct;103(1):27-28.
10. Lim K, McNeil MR, Dickey MW, Doyle PJ, Hula WD. Conflict resolution and goal maintenance components of executive attention are impaired in persons with aphasia: evidence from the picture-word interference task. *Procedia, social and behavioral sciences*. 2012 October; 61:181-182.
11. McNeil MR, Lim K, Fassbinder W, Dickey MW, Kendall D, Pratt SR, Kim H. Self-Paced Reading Stroop-Interference Effects in Persons with Aphasia. *Procedia, social and behavioral sciences*. 2012 October; 61:64-65.
12. Dickey MW, Yoo H. Acquisition versus generalization in sentence production treatment in aphasia: Dose-response relationships. *Procedia, social and behavioral sciences*. 2013; 94:281-282.
13. Warren T, Dickey MW. The Influence of Event-related Knowledge on Verb-argument Processing in Aphasia. *Procedia-Social and Behavioral Sciences*. 2013; 94:194-195.
14. Warren T, Liburd T, Dickey MW. Sentence comprehension in aphasia: A noisy channel approach. *Frontiers in psychology*. 2014 August; doi: 10.3389/conf.fpsyg.2014.64.00068.
15. Dickey MW, Warren T, Hayes RA, Milburn E. Prediction during sentence comprehension in aphasia. *Front. Psychol*. 2014 August; doi: 10.3389/conf.fpsyg.2014.64.00067.
16. *Hayes RA, Dickey MW, Warren TC. Prediction of arguments and adjuncts in aphasia: Effects of event-related and verb-specific knowledge?. *Front. Psychol*. 2015 October; doi: 10.3389/conf.fpsyg.2015.65.00006.
17. Dickey MW, Warren TC, Milburn EA, Hayes RA, Lei C. Verb-based anticipatory processing in aphasia. *Front. Psychol*. 2015 October; doi: 10.3389/conf.fpsyg.2015.65.00068.
18. *Lei C, Warren TC, Dickey MW. Structural prediction in aphasia. *Front. Psychol*. 2015 October; doi: 10.3389/conf.fpsyg.2015.65.00061.
19. Milburn EA, Warren TC, Dickey MW. Effects of familiarity, context, and abstract representations on idiom processing in aphasia. *Front. Psychol*. 2015; doi: 10.3389/conf.fpsyg.2015.65.00005.
20. Dickey MW, Holcomb M, Warren T. Sensitivity to verb-argument anomalies in aphasia is driven by event knowledge. *Front. Psychol*. 2016 October; doi: 10.3389/conf.fpsyg.2016.68.00079.

21. Hula WD, Fernandez-Miranda JM, Yeh F-C, Fernandes-Cabral D, Dickey MW, et al. Left Ventral Stream White Matter Connectivity Predicts Response to Semantic Feature Analysis Treatment in Chronic Aphasia. *Front. Hum. Neurosci.* <http://doi.org/10.3389/conf.fnhum.2017.223.00038>
22. *Gravier ML, Dickey MW, Hula WD, Doyle PJ. Cognitive predictors of response to semantically-based naming treatment in chronic aphasia. *Front. Hum. Neurosci.* <http://doi.org/10.3389/conf.fnhum.2017.223.00059>
23. *Quique Y, Dresang H, Dickey MW. Semantic memory for objects, actions, and events in Colombian people with aphasia. *Aphasiology*, 32(sup1), 172-175.
24. *Quique Y, Swiderski AM, Hula WD, Dickey MW. Meta-analysis of Treatment of Underlying Forms: dosage-related and person-level predictors of acquisition and generalization response. *Front. Hum. Neurosci.* Academy of Aphasia 56th Annual Meeting. doi: 10.3389/conf.fnhum.2018.228.00004.

PROFESSIONAL ACTIVITIES

TEACHING

Course instruction, University of Pittsburgh

Graduate-level courses:

CSD3479: Research Seminar in Speech-Language Pathology: Neurolinguistics

Dates of course: Spring 2020

Number of students: 9

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar featuring guest lectures and student-led reading discussions, focused on current research on neurocognitive systems underlying language and speech performance and speech-language impairments.

CSD3479: Research Seminar in Speech-Language Pathology: Neurolinguistics

Dates of course: Fall 2015

Number of students: 8

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar focusing on methods and key findings in current research on the neural systems that underlie language processing and representation.

CSD3479: Research Seminar in Speech-Language Pathology: Treatment-Based Research in Communication Disorders

Dates of course: Fall 2013

Number of students: 8

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar focusing on conducting treatment-based research into the nature and remediation of human communication disorders.

CSD3479: Research Seminar in Speech-Language Pathology: Language Processing and Language Impairments in Adults

Dates of course: Fall 2009

Number of students: 7

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar focusing on models of language comprehension and how they may account for different types of adult language impairments.

CSD3060: Ph.D. Pro-Seminar

Dates of course: Fall and Spring, 2017-2021

Number of students: 6-12

Length of course: 15 weeks

Contact hours: 15

Weekly pro-seminar focused on professional development and scientific practice, featuring both professional-development activities and research presentations at multiple stages of development.

CSD3049: Research Seminar in Audiology: Language learning and processing in the face of hearing loss

Dates of course: Fall 2017

Number of students: 8

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar focusing on the impact of hearing loss on pediatric language development and adult language processing, at the word and sentence level.

CSD3048: Introduction to Ph.D. Studies

Dates of course: Spring, 2018-2022

Number of students: 3-6

Length of course: 15 weeks

Contact hours: 45

Ph.D.-level seminar focusing on professional development, key concepts in research and the scientific methods, and skill building for first-year PhD students.

CSD2250: Child Language Disorders 2

Dates of course: Spring 2008

Number of students: 35

Length of course: 15 weeks

Contact hours: 45

Course for MA-level clinicians, focused on advanced topics in the etiology, diagnosis, and remediation of developmental and acquired language disorders in children.

CSD2130: Neurogenic Communication Disorders 1

Dates of course: Spring 2019

Number of students: 36

Length of course: 15 weeks

Contact hours: 15

Team-taught course for MA-level clinicians, providing an introduction to the etiology, diagnosis, and remediation of acquired neurogenic communication disorders in adults. Dr. Dickey assumed responsibility for instruction and assessment of one-third of the course.

CSD2081: Research Strategies and Tactics

Dates of course: Fall 2009, 2021

Number of students: 26

Length of course: 15 weeks

Contact hours: 36-45

MA-level introduction to research, designed to provide students with the fundamentals of processes used in research, and to facilitate the integration of research principles into evidence-based clinical practice.

Undergraduate courses:

CSD1022: Transcription Phonetics

Dates of course: Fall, 2008-2018, 2020-22

Number of students: 85-125

Length of course: 15 weeks

Contact hours: 45

Introduction to the sound structure of language, with a focus on learning to listen to and transcribe speech.

CSD1230: Introduction to Speech-Language Pathology

Dates of course: Spring, 2008-2013

Number of students: 65-85

Length of course: 15 weeks

Contact hours: 45

Introduction to the field of speech-language pathology, designed to provide students with an overview of the disorders and clinical specialties covered by speech-language pathology.

PSY1454/LING1580: Language comprehension and use

Dates of course: Fall 2011

Number of students: 17

Number of lectures: 1

Contact hours: 1.5

Guest lecture on models of how adults assign a meaning to phrases and sentences, and how these processes may be impaired following different classes of brain damage.

CSD 2062 Introduction to Clinician-Client Communications

Dates of course: Fall 2009-2011

Number of students: 8-10

Number of lectures: 1

Contact hours: 1.5

Mock clinical interviewing, giving small groups of students a chance to practice their skills in interviewing clients of parents of clients with communicative disorders.

Course instruction, other institutions

University of Massachusetts

Undergraduate courses:

LING101: People and Their Language

Dates of course: Fall, 1993-1995

Number of students: 25-30

Length of course: 15 weeks

Contact hours: 45

Non-technical introduction to the study of language and the discipline of linguistics.

LING201: Introduction to Linguistic Theory

Dates of course: Spring, 1993-1995

Number of students: 25-30

Length of course: 15 weeks

Contact hours: 45

Technical introduction to language structure and linguistic analysis.

Northwestern University.

Graduate-level courses:

LING310: Child Language

Dates of course: Fall, 2000-2003

Number of students: 15-20

Length of course: 10 weeks

Contact hours: 30

Introduction to child language development and its study.

LING330: Sentence Processing

Dates of course: Winter, 2000-2001

Number of students: 15

Length of course: 10 weeks

Contact hours: 30

Introduction to models and methods in the study of sentence-level language comprehension.

CSD452: Aphasia I: Disorders of language processing and representation

Dates of course: Spring 2007

Number of students: 17

Number of lectures: 6

Contact hours: 9

Introductory graduate-level course on adult language disorders, co-taught.

Undergraduate courses:

LING270: Meaning

Dates of course: Fall, 2001-2003

Number of students: 60-70

Length of course: 10 weeks

Contact hours: 30

Introduction to the study of how meaning is expressed in language and how language is used in context.

LING221: Language and Prejudice

Dates of course: Fall, 2000-2003

Number of students: 75-150

Length of course: 10 weeks

Contact hours: 30

Large lecture class exploring how language differences (regional dialects, second-language status, and gender- and race-based differences) can be the source of prejudice.

LING100: American Englishes

Dates of course: Spring, 2000-2001

Number of students: 20

Length of course: 10 weeks

Contact hours: 30

Freshman seminar examining the structural differences between dialects of American English and the social consequences of those differences.

VA Pittsburgh Healthcare System

Using Computer Technology to Assess Language Impairments (didactic lecture),

GRECC Conference Series: Geriatric Research Education and Clinical Center, VA Pittsburgh Healthcare System

Date of course: September 2007

Number of students: 20

Number of lectures: 1

Contact hours: 1.5

Didactic lecture intended to familiarize clinicians with use to computer-based assessments of language performance in aphasia

University of Pittsburgh Medical Center

Neuroscience Lecture, Psychiatry Residents Lecture Series (didactic lecture)

Western Psychiatric Institute and Clinic

Date of course: Fall, Spring, 2014-2019

Number of students: 10-15

Number of lectures: 1-2 per year

Contact hours: 1

Twice-annual didactic lecture intended to familiarize 1st and 2nd year Psychiatry residents with etiologies, diagnostic features, and neural and cognitive bases of aphasia.

Singapore Institute of Management/University at Buffalo

Undergraduate courses:

PSY341: Cognitive Psychology

Dates of course: Summer, 2009, 2011

Number of students: 85, 95

Length of course: 6 weeks

Contact hours: 45

Upper-level undergraduate introduction to cognitive psychology, focused on perception, attention, memory, and language.

Erasmus Mundi Master's Programme in Clinical Linguistics, University of Potsdam

Graduate courses:

Language processing & language impairments

Dates of course: Summer, 2010

Number of students: 12

Length of course: 4 days

Contact hours: 16

Intensive seminar focused on models of typical language comprehension and how they may explain different types of adult language disorders.

National Research University, Higher School of Economics, Moscow, Russia

Graduate courses:

Sentence comprehension: Factors, models, and methods

Date of course: April, 2014

Number of students: 17

Number of lectures: 5

Contact hours: 10

Intensive course intended to familiarize students with key findings, theoretical models, and empirical methods in the study of sentence-level language comprehension performance.

Workshops in eyetracking methods, treatment research

Date of course: April, 2014

Number of students: 7, 15

Number of lectures: 2

Contact hours: 6

Intensive workshops intended to provide participants with key skills in conducting eyetracking research (to examine language comprehension and production) and aphasia treatment research (including advanced methods in single-subject controlled designs and analysis).

LaTrobe University, Melbourne, Australia

Graduate course:

Workshop in mixed-effects modelling

Date of course: October, 2019

Number of students: 9

Number of lectures: 1
Contact hours: 2

Intensive workshop intended to provide participants with introduction to use of mixed-effects models (linear and logistic regression) as a tool for analysis of behavioral data.

Continuing Education:

1. Online continuing-education course: “Structure in Language: Sentences” 8/2016-pres.
<https://www.medbridgeeducation.com/course-catalog/details/structure-in-language-sentences-michael-dickey-speech-language-pathology-aphasia/>
Continuing-education offering for practicing speech-language pathologists, Medbridge Education
125 views to date
2. Online continuing-education course: “Attacking the Literature: From Journal to Bedside” 8/2016-pres.
<https://www.medbridgeeducation.com/course-catalog/details/attacking-the-literature-from-journal-to-bedside-michael-dickey-speech-language-pathology-aphasia/>
Continuing-education offering for practicing speech-language pathologists, Medbridge Education
75 views to date

ADVISING AND MENTORING

Faculty mentoring

Department of Communication Science and Disorders, University of Pittsburgh:

Dawna Duff, Ph.D., CCC-SLP, Assistant Professor	2016-2021
William Evans, Ph.D., CCC-SLP, Assistant Professor	2017-
Nancy Gauvin, Ed.D., CCC-SLP, Assistant Professor (teaching mentor)	2022-

Postdoctoral mentoring

University of Pittsburgh:

Ying Yang, Ph.D. (currently Postdoctoral associate, Center for Cognitive Brain Imaging, Carnegie Mellon University)	2013-2014
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VA Pittsburgh Healthcare System:

Michelle Gravier, Ph.D., CCC-SLP (currently Assistant Professor, California State University, East Bay)	2016-2019
William Evans, Ph.D., CCC-SLP (currently Assistant Professor, University of Pittsburgh)	2016-2019
Jeffrey Johnson, Ph.D., CCC-SLP	2018-

Student advising and committees (students advised or co-advised by MW Dickey are marked with a *)

Department of Linguistics, Northwestern University:

* Burt E. MA student.	1999-2000
* Anderson C. PhD student.	2000-2004
Rose R. PhD student.	2000-2004
Gottfurcht-Zafra, C. PhD student.	2000-2007

Department of Communication Sciences and Disorders, Northwestern University:

Faroqi-Shah Y. PhD student.	2003-2005
Fix S. PhD student.	2001-2006
Hashimoto N. PhD student.	2003-2007

Department of Communication Science and Disorders, University of Pittsburgh:

Elizabeth Mormer. High school student.	2010
Nolan Dickey. High school student.	2013
Valeria Silva. High school student.	2018-2019
Yang D. Undergraduate student.	2007-2008
Coburn K. Undergraduate student.	2008-2009
Intintoli J. Undergraduate student.	2008-2009
* Mintz H. Undergraduate student.	2008-2010
* Hayes RA. Undergraduate student.	2009-2011
* Fryd AS. Undergraduate student.	2011-2013
* Lane M. Undergraduate student.	2012-2014
* Zacharczuk L. Undergraduate student.	2013-2014
Goldberg E. Undergraduate student.	2013-2015
* Mitkish M. Undergraduate student.	2013-2015
* Kirby C. Undergraduate student.	2014-2016
* Nunn K. Undergraduate student.	2014-2016
* Chennupati S. Undergraduate student.	2016-2018
Bordman S. Undergraduate student.	2017-2018
Husson I. Undergraduate student.	2017-2019
* Reichner H. Undergraduate student.	2018-2020
* Norvilas S. Undergraduate student.	2020-2022
Dastolfo C. MS student.	2009-2010
* Sperl A. MS student.	2009-2010
* Nunn K. MS student.	2015-2017
Diewald S. MS student.	2017-2019
Kohut K. MS student.	2017-2019
* Ahern M. MS student.	2017-2019
* Zarbis K. MS student.	2021-2023
* Mocevic E. MS student.	2021-2023
* Rosenberg A. MS student.	2021-2023
* Park J. MS student.	2023-
* Stochel J. MS student	2023-

Sung JE. PhD student.	2007-2010
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Moore MW. PhD student.	2008-2012
* Yoo, H. PhD student.	2008-2012
Lim K.Y. PhD student.	2008-2011
Pelczarski K. PhD student.	2009-2011
Scott A. PhD student.	2009-2013
Shin S. PhD student.	2011-2016
* Lei A. PhD student.	2013-2017
Kovacs T. PhD student.	2013-2017
* Hayes R. PhD student.	2013-2018
Scharp V. PhD student.	2014-2016
Ramachandar S. PhD student.	2015-2017
Zhang M. PhD student.	2015-2017
Garcia S. PhD student.	2015-2019
* Dresang H. PhD student.	2015-2020
* Quique Y. PhD student.	2015-2020
Cavanaugh R. PhD student.	2018-2023
Lescht, E. PhD student.	2022-
* Swiderski A. PhD student.	2018-
* Goldberg E. PhD student.	2020-

Department of Psychology, University of Pittsburgh:

George GE. Undergraduate student.	2009-2011
Tiv M. Undergraduate student.	2014-2017
Phillips A. MS student.	2010-2011
Liburd T. MS student.	2012-2014
Patson N. PhD student.	2007-2011
Milburn E. PhD student.	2011-2016
Colvin M. PhD student.	2013-2020
Alvarez T. PhD student.	2017-2019
Fang X. PhD student.	2018-2019
* Caudle C. PhD student.	2022-
Zhou Z. PhD student.	2023-

Erasmus Mundi Clinical Linguistics MA Programme, University of Potsdam:

Gattei C. MA student.	2010
DeNooijer JA. MA student.	2010-2011

Department of Speech and Hearing Sciences, University of Washington:

Zimmerman R. PhD student.	2018-2020
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Department of Communicative Sciences and Disorders, Michigan State University:

Tichenor S. PhD student.	2018-2020
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School of Allied Health, La Trobe University:

Harvey S. PhD student.	2018-2022
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Undergraduate theses (directed by MW Dickey unless otherwise noted)

Department of Communication Science and Disorders, University of Pittsburgh:

- * Mintz H. Soldiers Marching Down the Garden Path: Comprehension of Complex Language in Veterans with MTBI. B.Phil thesis 2008-2010
- * Hayes RA. The Inner Workings of Working Memory: The Effects of Aging and Language Impairment on Tasks Examining Verbal Working Memory. B.Phil thesis 2009-2011
- * Fryd AS. Transitivity biases in sentence comprehension in aphasia. B.Phil thesis 2011-2013
- * Lane M. Structural integration in the processing of linguistic and musical syntax. B.Phil thesis 2012-2014
- * Zacharczuk L. Semantic Memory and its Role in Verb Processing. B.Phil thesis 2013-2014
- * Mitkish M. Effects of syntactic cues on eye movements during sentence comprehension in young adults. B.Phil thesis 2013-2015
- * Kirby C. The role of conflict in executive control in bilingual young adults. B.Phil thesis 2014-2016
- * Nunn K. The Noisy Channel Model and Sentence Processing in Individuals Loss. with Simulated Hearing Loss. B.Phil thesis 2014-2016
- * Chennupati S. Effects of bilingualism on novel word learning in variable contexts. B.Phil thesis. 2016-2018
- * Reichner H. Contextual effects in event referent activation in the visual world. Neuroscience honors thesis. 2018-2020
- * Norvilas S. Does the Thematic Hierarchy hold in people with aphasia and across the lifespan? Evidence from the Event Task. B.Phil thesis. 2021-2022

Graduate theses (directed by MW Dickey unless otherwise noted)

Department of Linguistics, Northwestern University:

- * Burt E. Structure and interpretation of direct speech reports. MA thesis 1999-2000
- * Anderson C. The structure and real-time comprehension of quantifier scope ambiguity. PhD dissertation (Directed by C. Kennedy and M.W. Dickey) 2000-2004

Department of Communication Science and Disorders, University of Pittsburgh:

- * Sperl A. Effects of name agreement on dual-task picture naming. MS thesis (Directed by W. Hula and M.W. Dickey) 2009-2010
- * Nunn K. The noisy channel model and sentence processing in individuals with simulated broadened auditory filters. MS thesis. 2016-2018
- * Ahern M. Using Data from Comprehension and Production to Test Competing Theories in Sentence Impairments in Individuals with Aphasia. MS thesis. 2017-2019
- * Lei A. Hemispheric Lateralization for Language Examined with Chinese 2015-2017

Characters. PhD dissertation.

- * Hayes RA. Not enough, or maybe too much: associative deficit vs. hyper-binding models of aging in implicit learning. PhD dissertation. 2016-2018
- * Dresang H. Neural and behavioral investigations of dissociations in conceptual and linguistic factors influencing verb retrieval in people with aphasia. PhD dissertation. 2018-2020
- * Quique Y. Get in sync: entrainment mechanisms and individual predictors for scripted-sentence learning in aphasia. PhD dissertation. 2019-2020
- * Mocevic E. Age-related Differences in Thematic and Taxonomic Semantic Processing. MS thesis. 2022-2023
- * Rosenberg A. The Effects of Aging on Phonological and Semantic Competition During Lexical Access. MS thesis. 2022-2023
- * Zarbis K. Relationship Between Sleep and Depression in Individuals with Post-Stroke Aphasia. MS thesis. 2022-2023

RESEARCH

1. Grants

Pending grant support

None.

Current grant support

Extramural: Training and Fellowship

Grant Number: 1IK2RX004252 (Johnson) 10/1/22 – 9/30/27 Years: 5 Role: Mentor (0.3 mo)
Source: VA Office of Research and Development – Rehabilitation Research and Development (VA RR&D)
Funding: \$981,196 (total), \$981,196 (direct)
Title: Concurrent Validity, Test-Retest Reliability, and Sensitivity to Change of Functional Near-Infrared Spectroscopy for Measuring Language-Related Brain Activity in Post-Stroke Aphasia
The goals of this project are to: 1) evaluate the validity of functional near-infrared spectroscopy (fNIRS) for measuring language-related brain function in people with chronic aphasia (PWA) as compared to fMRI; 2) assess the test-retest reliability of fNIRS in PWA; and 3) examine the capacity of fNIRS to detect changes in brain function following language therapy in the same population.

Extramural: Research

Grant Number: R01DC017475 (Hula, Dickey, Doyle) 9/1/19 - 8/31/24 Years: 5
Role: PI (2.4 mo.)
Source: NIH/NIDCD
Funding: \$2,980,252 (total), \$2,367,350 (direct)

Title: Optimizing and understanding semantic feature analysis treatment for aphasia: A randomized controlled comparative-effectiveness trial

The goals of this project are to determine which variant of an efficacious word-retrieval treatment for aphasia results in better outcomes, and to identify the neural and cognitive mechanisms underlying these benefits.

Grant Number: 1R01DC018813-01 (Hula, Fergadiotis) 9/1/20 - 8/31/25 Years: 5

Role: Co-I (1.2 mo.)

Source: NIH/NIDCD

Funding: \$3,067,925 (total), \$2,556,790 (direct)

Title: Assessment of anomia: Improving efficiency and utility using item response theory

The goals of this project are to develop and validate a common item bank for assessment of noun and verb retrieval deficits for people with aphasia, enabling efficient and psychometrically sound measurement of both word-retrieval impairments and response to word-retrieval treatment.

Extramural: Training and Fellowship

Grant number: 1 F31 DC019853-01 (Cavanaugh) 7/1/21 – 6/30/23 Role: Sponsor

Source: NIH/NIDCD

Funding: \$42,000 (total), \$42,000 (direct)

Title: Determinants of multilevel discourse outcomes in anomia treatment for aphasia.

The goal of this project is to determine the mechanisms that support treatment-related improvements in discourse production, a highly functionally relevant but understudied outcome in post-stroke aphasia.

Grant Number: IK2 CX001808 (Forster) 7/1/19 – 6/30/24 Years: 5 Role: Mentor (0.6 mo.)

Source: VA Merit Review – Clinical Science Research and Development (VA CSR&D)

Funding: \$665,994 (total), \$665,994 (direct)

Title: Electrophysiological Predictors and Indicators of Contingency Management Treatment Response.

The goal of this project is to identify neural and cognitive predictors of response to an efficacious substance-abuse treatment program.

Intramural: Research

Grant #: STUDY22080154 (Evans) 9/1/2023 - 8/31/2024 Year: 1 Role: Co-I (0.24 mo.)

Source: University of Pittsburgh Clinical and Translational Science Institute (CTSI) Research Initiative for Special Populations

Funding: \$29,989 (total), \$29,989 (direct costs)

Title: Increasing representation in aphasia research

Brief Description of Project Goals: The goal of this project is to increase the representation and engagement of Black stroke survivors in aphasia treatment research and community support, by identifying potential barriers and facilitators to research participation and unmet community needs and service gaps.

Grant Number: GRECC Pilot 2023 (Dickey) 1/1/23-8/31/23 Years: 1 Role: PI (0.6 mo)

Source: GRECC Pilot Project Fund, VA Stars and Stripes Healthcare Network (VISN 4)

Funding: \$25,000 (direct)

Title: Establishing the efficacy and acceptability of a novel treatment for older Veterans with aphasia.

The goal of this project is to evaluate the efficacy, feasibility, and acceptability of a novel, VAPHS-developed behavioral treatment for verb and sentence-production impairments, one that is suitable to

telehealth delivery and has significant promise of improving activity and participation among older Veterans living with aphasia.

Extramural: Conference

NSF-BCS # 2216976 (Fraundorf) 7/15/2022 – 12/31/2023 Role: Co-PI (0.1 mo)
NSF-BCS \$41,613 current year direct costs
Literacy, Education, and Language Processing: Special Sessions at the Human Sentence Processing 2023 Conference
The goal of this conference grant is to support a special session at the 2023 Human Sentence Processing Conference focused on the intersection and interaction of psycholinguistics and education, and to promote greater exchange between these disciplines.

Prior grant support

Extramural: Research

Grant Number: Collaboration Ready 2018-02 9/1/19-12/1/19 Years: 1 Role: PI (2 mo.)
Source: Collaboration Ready Scheme, La Trobe University
Funding: \$9,930 (direct)
Title: Optimizing rehabilitation for aphasia.
The goal of this project was to develop and implement additional analyses of outcomes from the international COMPARE aphasia-treatment RCT (n=216, PI Miranda Rose), to identify predictors and optimal dosage parameters for the efficacious aphasia treatments being compared in the arms of the trial.

Grant Number: R01DC013803 (Hula, Fernandez-Miranda) 4/01/15 – 03/31/20 Years: 5
Role: Co-I (1.2 mo.)

Source: NIH/NIDCD
Funding: \$1,420,637 (total); \$1,070,012 (direct)
Title: Language connectivity pathways and neuroplasticity in aphasic stroke patients.
The goals of this project are to describe the contribution of damage in specified white matter pathways to language impairments in aphasia and quantify treatment-induced white matter plasticity and identify prognostic factors associated with intensive behavioral treatment.

Grant Number: 1I21RX002566 (Gravier) 1/01/18 – 12/31/19 Years: 2 Role: Co-I (0.6 mo.)
Source: VA Merit Review – Rehabilitation Research and Development (VA RR&D)
Funding: \$198,218 (total), \$198,218 (direct)
Title: Immediate and Cumulative Effects of rTMS on Brain Activation in Chronic Aphasia
The goal of this study was to investigate the relationship between improvements in naming ability in individuals with chronic aphasia and acute and long-term changes in lateralization of language-related brain activation due to repetitive transcranial magnetic stimulation (rTMS).

Grant Number: 1U01NS098969 (Richardson) 9/30/16-5/31/19 Yrs: 3 Role: Consultant (0.6 mo.)
Source: NIH-NINDS
Funding: \$1,028,607 (total); \$789,543 (direct)
Subthalamic and corticosubthalamic coding of speech production

The aim of this project was to use direct recordings of thalamic neuronal activity and electrocorticographic measures of cortical activity collected during DBS implantation to examine cortical and subcortical mechanisms controlling speech production.

Grant Number: 1I01RX000832-01A2 (Dickey, Doyle) 10/1/13-09/30/18 Years: 4 (+ 1 year NCE)
Role: PI (4.5 mo.)

Source: VA Merit Review RR&D

Funding: \$1,096,118 (total); \$1,096,118 (direct)

Title: Dosage and Predictors of Naming Treatment Response in Aphasia

This project used behavioral and neuroimaging measures to determine which patients respond best to semantically-oriented treatment for word-production deficits in aphasia, and to determine optimum dosages for such treatment.

Grant Number: 1R01DC011520-01A1 (Dickey, Warren) 4/1/12-3/30/18 Years: 4 (+ 2 years NCE)
Role: PI (3 mo.)

Source: NIH/NIDCD

Funding: \$1,300,042 (total); \$900,000 (direct)

Title: Neural Bases of Verb-Argument Processing

This project used behavioral and neuroimaging methods to examine the neural bases of unimpaired adults' and aphasic adults' ability to rapidly understand verbs and their arguments during sentence comprehension.

Grant Number: 1R21DC013568 (Fiez) 7/1/15-6/30/17 Years: 2 Role: Co-I (0.6 mo)

Source: NIH/NIDCD

Funding: \$125,000 (direct)

Title: Remote Neuropsychological Assessment: A Proof-of-Concept Test

The goal of this project was to test feasibility, fidelity, and equivalence of a HIPAA-compliant platform supporting detailed, remote (telehealth-based) neuropsychological assessment.

Grant number: 14IRG19040006 (Fiez) 7/1/14-6/30/15 Years: 1 Role: Co-I (0.6 mo)

Source: American Heart Association

Funding: \$68,182 (direct)

Title: Cyber-Enabled Neuropsychological Self-assessment (CENSA) in Stroke Research.

The goal of this project was to develop a robust, HIPAA-compliant platform supporting remote (telehealth-based) neuropsychological assessment.

Grant number: 1I01RX001145 (McNeil) 7/1/13-6/30/17 Years: 4 Role: Co-I (1.2 mo)

Source: VA Merit Review RR&D

Funding: \$1,098,915 (direct)

Title: Aphasic comprehension: conflict resolution and short-term memory.

The goal of this project was to use structural equation modelling to determine the contributions of both memory and attentional (conflict-resolution) processes to sentence comprehension performance in aphasia.

Extramural: Training and Fellowship

Grant Number: IK1RX003361 (Johnson) 4/1/20 – 9/30/22 Years: 2 Role: Mentor (0.6 mo.)

Source: VA Merit Review – Rehabilitation Research and Development (VA RR&D)

Funding: \$95,708 (total), \$95,708 (direct)

Title: Neural and Behavioral Predictors of Naming Therapy Outcomes in Chronic Post-Stroke Aphasia

The goals of this project are to identify key neural predictors of response to word-retrieval treatment for aphasia using graph-theoretic measures to examine functional and structure connectivity among participants in an NIH-funded clinical trial (R01DC017475).

Grant number: 1F31 DC017896 (Dresang) 9/1/19 – 8/30/21 Years: 2 Role: Sponsor

Source: NIH/NIDCD

Funding: \$42,000 (total), \$42,000 (direct)

Title: Neural and behavioral investigations of dissociations in conceptual and linguistic factors influencing verb retrieval in people with aphasia.

The goal of this project is to use both behavioral and neuroimaging (white matter connectivity) measures to examine the role of conceptual and linguistic systems in supporting verb retrieval in post-stroke aphasia.

New Century Scholars Doctoral Scholarship (Quique) 11/19-10/20 Years: 1 Role: Sponsor

Source: ASHFoundation

Funding: \$10,000

Title: Get in Sync: mechanisms and predictors for scripted-sentence learning in aphasia.

The goal of this dissertation project is to test hypotheses regarding the mechanisms underlying rhythmically-enhanced scripted-sentence learning in Spanish speakers with aphasia, and to identify predictors of their learning response.

CAPCSD Ph.D. Scholarship (Dresang) 6/1/19-5/1/20 Years: 1 Role: Sponsor

Source: Council of Academic Programs in Communication Science & Disorders

Funding: \$20,000

Title: Investigating neural and behavioral dissociations in conceptual and linguistic factors that influence verb retrieval in people with aphasia.

The goal of this dissertation project is to examine how linguistic and conceptual (semantic memory) processing contribute to verb retrieval in aphasia, and to identify the neural (white-matter) structures that support these contributions.

Grant Number: IK1 RX002475 (Evans) 12/1/17 – 11/30/19 Years: 2 Role: Mentor (0.6 mo.)

Source: VA Merit Review – Rehabilitation Research and Development (VA RR&D)

Funding: \$198,218 (total), \$198,218 (direct)

Title: Optimizing Task Engagement in Computer-based Aphasia Treatment

The goals of this project are to develop an adaptive computer-based naming treatment for veterans with aphasia designed to improve both speed and accuracy of performance, and to provide training for the PI in the areas of computational modeling, clinical treatment research, and VA telepractice.

Dingwall Dissertation Fellowship (Dresang) 7/1/18-6/30/19 Years: 1 Role: Sponsor

Source: William Orr Dingwall Foundation

Funding: \$30,000

Title: How the Neural Bases of Semantic Memory Support and Are Distinguished from Language Processes.

The goal of this dissertation project is to examine how linguistic and conceptual (semantic memory) processing contribute to verb retrieval in aphasia, and to identify the neural (white-matter) structures that support these contributions.

Extramural: Conference

R13DC006295-15 (Dickey) 6/01/2017 – 5/30/2021 Role: PI (0.1 mo)
NIH/NIDCD \$33,275 current year direct costs
Research symposium in clinical aphasiology
The goal of this conference grant is to support training and participation of student trainees, particularly from underrepresented groups, in clinical aphasiology.

Intramural: Research

Competitive Pilot Project Award (Gravier) 10/1/217 – 9/30/19 Years: 2 Role: Co-I (0.6 mo)
Source: VHA VISN 4
Funding: \$75,000 (direct)
Cortisol and Response to Intensive Speech-Language Intervention in Chronic Aphasia
The major goal of this study was to investigate the relationship between cortisol levels and changes in both language ability and brain structure in response to restorative language intervention for individuals with chronic aphasia.

Grant Number: GRECC Pilot 2017 (Gravier) 9/1/17-8/31/18 Years: 1 Role: Co-I (0.6 mo)
Source: GRECC Pilot Project Fund, VA Stars and Stripes Healthcare Network (VISN 4)
Funding: \$25,000 (direct)
Title: Semantic Feature Analysis Treatment for Aphasia: Predictors of Generalization to Connected Speech.
The goal of this project was to examine connected-speech outcomes from a recently-completed clinical trial in order identify behavioral and neural predictors of generalization in response to an efficacious word-retrieval treatment for aphasia.

Grant Number: GRECC Pilot 2017 (Evans) 9/1/17-8/31/18 Years: 1 Role: Co-I (0.6 mo)
Source: GRECC Pilot Project Fund, VA Stars and Stripes Healthcare Network (VISN 4)
Funding: \$25,000 (direct)
Title: Feature-type effects on naming treatment response: Analysis of acquisition and generalization outcomes for Semantic Feature Analysis treatment.
The goal of this project was to examine naming (word-retrieval) outcomes from a recently-completed clinical trial in order identify which types of therapy activities (different types of feature generation) were most strongly associated with positive treatment outcomes.

Grant Number: GRECC Pilot 2017 (Gravier) 9/1/16-8/31/17 Years: 1 Role: Co-I (0.6 mo)
Source: GRECC Pilot Project Fund, VA Stars and Stripes Healthcare Network (VISN 4)
Funding: \$25,000 (direct)
Title: The neurobiological basis of the effect of low frequency inhibitory and excitatory primed repetitive transcranial magnetic stimulation (rTMS) on naming performance in chronic aphasia.
The goal of this project was to provide pilot data establishing the feasibility and mechanistic basis of improvements in naming ability in individuals with chronic aphasia and acute and long-term changes in lateralization of language-related brain activation due to repetitive transcranial magnetic stimulation (rTMS).

Grant Number: CRDF Project 38215 08/10-07/12 Years: 2 Role: PI (2 mo.)
Source: Central Research Development Fund, University of Pittsburgh

Funding: \$14,900 (direct)

Title: Prediction during language comprehension among language-impaired and unimpaired adults
This project compared unimpaired adults' and aphasic adults' ability to anticipate upcoming words (arguments) and structure during sentence comprehension.

Grant Number: CRDF Project 37769 07/08-12/10 Years: 2 Role: PI (2 mo.)

Source: Central Research Development Fund, University of Pittsburgh

Funding: \$10,000 (direct)

Title: Comprehension of complex sentences in normal and brain-injured adults.

This project compared real-time sentence comprehension among unimpaired adults and adults with aphasia.

Grant Number: GRECC Pilot 2009 09/09-08/10 Years: 1 Role: PI (3 mo.)

Source: GRECC Pilot Project Fund, VA Stars and Stripes Healthcare Network (VISN 4)

Funding: \$25,000 (direct)

Title: Language Comprehension Following Mild Traumatic Brain Injury

This project focused on comprehension of garden-path sentences among veterans with mild TBI.

Intramural: Training and Fellowship

SHRS Ph.D. Scholarship (Quique) 11/1/19-10/1/20 Years: 1 Role: Sponsor

Source: School of Health and Rehabilitation Sciences, University of Pittsburgh

Funding: \$7,500

Title: Get in Sync: mechanisms and predictors for scripted-sentence learning in Spanish speakers with aphasia.

The goal of this dissertation project is to test hypotheses regarding the mechanisms underlying rhythmically-enhanced scripted-sentence learning in Spanish speakers with aphasia, and to identify predictors of their learning response.

SHRS Ph.D. Scholarship (Dresang) 11/1/18-10/1/19 Years: 1 Role: Sponsor

Source: School of Health and Rehabilitation Sciences, University of Pittsburgh

Funding: \$7,500

Title: Neural and behavioral investigations of dissociations in conceptual and linguistic factors influencing verb retrieval in people with aphasia.

The goal of this dissertation project is to test hypotheses regarding the mechanisms underlying rhythmically-enhanced scripted-sentence learning in Spanish speakers with aphasia, and to identify predictors of their learning response.

Other grant-related activity

Grant Number: R01-DC01948 (Thompson) 02/03-01/08 Years: 5 Role: Affiliate (12 mo.)

Source: NIH/NIDCD

Title: Neurolinguistic Investigations of Aphasia and Aphasia Recovery

This project focused on development and assessment of psycholinguistically-motivated treatments of morphological and syntactic impairments in aphasia.

Grant Number: R03-DC05913 (Benki) 07/04-06/07 Years: 3 Role: Consultant (0.6 mo.)

Source: NIH/NIDCD

Title: Measuring Context Effects in Spoken Word Recognition

This project focused on creating a computational model of lexical context effects on spoken word recognition.

2. Major seminars, invited lectureships, and presentations related to research

Seminars and invited lectureships

1. The processing of temporal relations in discourse 4/2000
Department of Brain and Cognitive Science, University of Rochester
2. Minimizing structure in gapping: Theoretical perspectives and processing implications 7/2001
University of Massachusetts, Amherst
3. The resolution of temporal relations in discourse 3/2002
Department of Linguistics, University of Chicago
4. It's about time: Theoretical & experimental perspectives on 7/2003
tense, aspect, modality, & events.
Linguistic Society of America Summer Institute, Michigan State University
5. Real time sentence comprehension and recovery in aphasia (with CK Thompson 5/2004
& D Swinney)
Clinical Aphasiology Conference, Park City UT
6. Automatic processing and recovery of complex sentences in aphasia 3/2007
Department of Speech, Language and Hearing Sciences, San Diego State University
7. Temporal reference and syntactic processing. 6/2008
School of Psychology, University of Edinburgh
8. Temporal reference and syntactic processing. 12/2008
Department of Psychology, University of Pittsburgh
9. Real-time processing and treatment of complex sentences in aphasia. 4/2010
Department of Speech Language and Hearing Sciences, Boston University
10. (Not) good-enough processing: Language processing in the face of language impairments 5/2010
NIH-NIDCD keynote presentation, Clinical Aphasiology Conference, Isle of Palms, SC
11. (Not) good-enough processing: Language processing in the face of language impairments 7/2010
Erasmus Mundi Clinical Linguistics Programme, University of Potsdam, Germany
12. Automatic processing and recovery of complex sentences in aphasia. 9/2010
Cognitive Science Colloquium Series, McMaster University
13. Automatic processing and recovery of complex sentences in aphasia. 11/2010

Linguistics and Cognitive Science Colloquium Series, University of Delaware

14. Automatic processing and recovery of complex sentences in aphasia. 3/2011
Cognitive Science Colloquium Series, University at Buffalo
15. Automatic processing, rehabilitation, and recovery of complex sentences in aphasia. 11/2011
Senior Vice Chancellor's Research Seminar Series, University of Pittsburgh School of Medicine
16. Automatic processing and recovery of complex sentences in aphasia. 2/2012
Department of Linguistics, University of Maryland
17. Automatic processing, rehabilitation, and recovery of complex sentences in aphasia. 9/2013
Physical and Medical Rehabilitation Rounds, University of Pittsburgh School of Medicine
18. Verb-argument representations and world knowledge in language comprehension. 9/2013
Rutgers Center for Cognitive Science, Rutgers University
19. Prediction and integration during verb-argument understanding: Evidence from typical and disordered language processing. 5/2013
Beckman Institute and Dept. of Psychology, University of Illinois.
20. Psycholinguistic and practice-related predictors of treatment response in aphasia. 4/2017
Language Processing and Recovery in Aphasia Symposium, Boston University
21. Predictors and mechanisms of naming treatment response in aphasia. 2/2018
Center for Study of Aphasia Recovery (C-STAR) Lecture Series, University of South Carolina
22. Predictors and mechanisms of naming treatment response in aphasia. 4/2018
Center for Language Science Distinguished Speakers Series, The Pennsylvania State University
23. Event knowledge and verb knowledge predict sensitivity to different aspects of semantic anomalies in aphasia. 5/2018
Department of Linguistics, University of Massachusetts, Amherst.
24. Event knowledge and verb knowledge predict sensitivity to different aspects of semantic anomalies in aphasia. 9/2018
Department of Psychology, University of Pittsburgh.
25. Who benefits, and why: Person- and practice-related predictors of naming treatment response in aphasia. 9/2019
Aphasia CRE Seminar Series, LaTrobe University, Melbourne, Australia
26. Who benefits from aphasia treatment? Lessons from meta-analysis of single-subject experimental designs. 10/2019
Workshop on Aphasia and Its Assessment and Treatment, Sun Yat Sen University Hospital, Guangzhou, China
27. Who benefits, and why: Person- and practice-related predictors of naming treatment response in aphasia. 3/2022

Refereed conference presentations (selected, of 128 total: presentations associated with conference proceedings or published abstracts not included)

1. Hula WD, Babiak M, Autenreith A, Sears M, Austermann Hula S, Cavanaugh R, Dickey MW. Treatment fidelity for a randomized controlled comparative effectiveness trial of two variants of Semantic Feature Analysis treatment for aphasia. Roundtable presented at 2023 Clinical Aphasiology Conference; June 2023; Atlantic City, NJ.
2. Johnson J, Watkins A, Dickey MW, Hula WD. Independent validation of a language mapping paradigm for adults with aphasia. Poster presented at 2023 Clinical Aphasiology Conference; June 2023; Atlantic City, NJ.
3. Casilio M, Fergadiotis G, Cho SJ, Steel S, Fleegle M, Dickey MW, Hula WD. Construct Validation of the Verb Naming Test. Poster presented at 2023 Clinical Aphasiology Conference; June 2023; Atlantic City, NJ.
4. Cavanaugh R, Swiderski A, Goldberg E, Hula WD, Evans WS, Dickey MW. Within-trial evidence for the importance of feature generation during Semantic Feature Analysis. Platform talk presented at 2022 Academy of Aphasia Conference; October 2022; Philadelphia, PA. NOTE: Talk was chosen as winner of 2022 Academy of Aphasia Student Presentation Prize.
5. Sandberg CW, Gray T, Khorassani H, Dickey MW. Meta-analysis of AbSANT efficacy. Platform talk presented at 2022 Academy of Aphasia Conference; October 2022; Philadelphia, PA.
6. Yoo H, McNeil MR, Dickey MW. Linguistic and nonlinguistic processing speed across age-matched controls and persons with left-hemisphere damage, with and without aphasia. Platform talk presented at 2022 Academy of Aphasia Conference; October 2022; Philadelphia, PA.
7. Swiderski A, Laconi A, Goldberg E, Dickey MW, Hula WD. A connectivity constrained analysis of the white matter correlates of taxonomic and thematic based naming errors. Poster presented at 2022 Society for the Neurobiology of Language Conference; October 2022; Philadelphia, PA.
8. Zimmerman R, Dickey MW, Silkes J, Kendall D. Baseline semantic and phonological abilities as predictors of anomia treatment outcomes. Platform talk presented at 2022 Clinical Aphasiology Conference; May 2022; Wrightsville Beach, NC.
9. Goldberg E, Hula WD, Cavanaugh R, Swiderski A, Autenreith A, Dickey MW. Cognitive functions supporting learning over time in naming treatment for aphasia. Platform talk presented at 2022 Clinical Aphasiology Conference; May 2022; Wrightsville Beach, NC.
10. Swiderski A, Dickey MW, Autenreith A, Sears M, Hula WD. A novel item response theory-based method for selecting treatment stimuli and probe items in studies of naming treatment for aphasia. Platform talk presented at 2022 Clinical Aphasiology Conference; May 2022; Wrightsville Beach, NC.

11. Johnson J, Dickey MW, Sears M, Autenreith A, Gravier M, Hula WD. Test-retest reliability of resting-state functional connectivity in chronic aphasia. Poster presented at 2022 Clinical Aphasiology Conference; May 2022; Wrightsville Beach, NC.
12. Gerasimos F, Stacey S, Hannele N, Swiderski A, Dickey MW, Hula WD. Item response theory modeling of the Verb Naming Test. Poster presented at 2022 Clinical Aphasiology Conference; May 2022; Wrightsville Beach, NC.
13. Johnson J, Gravier M, Hula WD, Dickey MW, Doyle PJ. Cognitive predictors of changes in naming and language skills following semantic feature analysis treatment for anomia. Poster presented at 2021 Clinical Aphasiology Conference; May 2021; virtual.
14. Winans-Mitrik R, Ruffing R, Evans WS, Dickey MW, Schumacher J, Johnson J, Grzybowski A, Autenreith A, Doyle PJ. Description of an aphasia rehabilitation residency program & training network. Poster presented at 2021 Clinical Aphasiology Conference; May 2021; virtual.
15. Rose ML, Copland D, Pierce J, Harvey S, Brogan E, Brownssett S, Godecke E, Carragher M, Dickey MW. Revisiting concepts of treatment dose and intensity in aphasia rehabilitation. Roundtable presented at 2021 Clinical Aphasiology Conference; May 2021; virtual.
16. Evans WS, Cavanaugh RC, Quique YM, Boss E, Dickey MW, Doyle PJ, Starns J, Hula WD. BEARS: Balancing effort, accuracy, and response speed in semantic feature verification anomia treatment. Platform talk presented at 2021 Clinical Aphasiology Conference; May 2021; virtual.
17. Gravier M, Dickey MW, Hula WD, Johnson J, Autenreith A, Doyle PJ, Forman SD. Excitatory-primed inhibitory rTMS is more effective than inhibitory rTMS alone. Platform talk presented at 2021 Clinical Aphasiology Conference; May 2021; virtual.
18. Harvey S, Carragher M, Dickey MW, Rose ML. How much treatment does a person with aphasia need to get the best recovery? Poster presented at the 2021 American Society for Neurorehabilitation; April 2021; virtual.
19. Dresang H, Hula WD, Warren TC, Yang FC, Dickey MW. Strong conceptual ability reduces the effect of lexical impairments on verb retrieval in aphasia. Platform talk presented at 2020 Academy of Aphasia conference; October 2020; virtual. NOTE: Talk was chosen as winner of 2020 Academy of Aphasia Student Presentation Prize.
20. Colvin M, Koch G, Dresang H, Warren TC, Dickey MW, Coutanche M. fMRI evidence for the existence and function of animacy predictions. Poster presented at 2020 CUNY Sentence Processing Conference; March 2020; Amherst, MA.
21. Swiderski A, Dresang HC, Hula WD, Dickey MW, Fernandez-Miranda JC, Yeh F-C, Doyle P. Structural fragmentation of linguistic brain networks predicts aphasia severity, but not response to treatment. Poster presented at Academy of Aphasia; October 2019; Macau, China.
22. Dresang HC, Dickey MW, Hula WD, Warren TC, Yeh F-C, & Fiez JA. Conceptual and linguistic abilities both predict verb retrieval in individuals with aphasia. Poster presented at the 14th annual Eleanor M. Saffran Conference; September 2019; Philadelphia, PA.

23. Colvin M, Dresang H, Koch G, Warren TC, Dickey MW, Coutanche M. fMRI evidence for the existence and function of animacy predictions. Paper presented at Psycholinguistics in Iceland: Parsing and Prediction workshop; June 2019; Reykjavik, Iceland.
24. Dresang HC, Dickey MW, Warren TC. Event-referent activation in the visual world: Persistent activation is guided by both lexical and event representations. Poster presented at 2018 CUNY Conference on Sentence Processing; March 2018; Davis, CA.
25. Colvin M, Warren T, Dickey MW. To adapt or not to adapt: No evidence that readers adjust their expectation for a disjunction in the either...or structure. Poster presented at the 2018 CUNY Conference on Sentence Processing; March 2018; Davis, CA.
26. Quique Buitrago Y, Dickey MW. Acquisition & Generalization Responses in Aphasia Naming Treatment: A Meta-Analysis of Semantic Feature Analysis Outcomes. Posterpresented at 2017 Clinical Aphasiology Conference; May, 2017; Snowbird, UT.
27. Hayes RA, Dickey MW, Warren TC. Attention and retention without intention: Potential hyper-binding in implicit learning among older adults and individuals with aphasia. Poster presented at Clinical Aphasiology Conference; May 2017; Snowbird, UT.
28. Owens RO, Grzybowski A, Verlinich A., Hula WD, Dickey MW, Doyle PJ. Broad Versus Focused Intensive Aphasia Rehabilitation: A Comparison of Treatment Outcomes. Roundtable presented at 2017 Clinical Aphasiology Conference; May 2017; Snowbird, UT.
29. Schumacher J, Winans-Mitrik RL, Dickey MW, Owens RO, Doyle PJ. Semantic Priming to Improve Comprehension and Expression of Sentences (SPICES). Roundtable presented at Clinical 2017 Aphasiology Conference; May 2017; Snowbird, UT.
30. Dickey MW, Warren TC, Nunn KM, Colvin MB, Hayes RA, Milburn EA, Lei CM. Evidence that uncertainty drives comprehension patterns in people with aphasia. Platform paper presented at 2017 CUNY Sentence Processing Conference; March 2017; Cambridge, MA.
31. Quique Y, Dickey MW. Acquisition & Generalization Responses in Aphasia Naming Treatment: A Meta-Analysis of Semantic Feature Analysis Outcomes. Platform paper presented at 2016 American Speech Language and Hearing Association Convention; November 2016; Philadelphia, PA.
32. Dickey MW, Doyle PJ, Gravier ML, Hula WD. Psycholinguistic predictors of treatment response in semantic feature analysis. Platform paper presented at 2016 Clinical Aphasiology Conference; May 2016; Charlottesville, VA.
33. Evans WS, Dickey MW, Quimby M, Dickerson B. Promoting lexical retention and relearning in primary progressive aphasia via computer-based distributed learning. Roundtable presented at 2016 Clinical Aphasiology Conference; May 2016; Charlottesville, VA.
34. Dresang HC, Warren TC, Dickey MW. Semantic memory for objects and events: A novel test of event-related conceptual semantic knowledge. Poster presented at 2016 Clinical Aphasiology Conference; May 2016; Charlottesville, VA.

35. Gravier ML, Dickey MW, Doyle PJ, Hula WD, Evans WS. What matters in SFA: Practice-related predictors of treatment response in aphasia. Poster presented at 2016 Clinical Aphasiology Conference; May 2016; Charlottesville, VA.
36. Dickey MW, Friedman B, Hula WD, Doyle PJ. A comparison of naming treatment response in 2 PWA with unique linguistic, cognitive, and neuropathological profiles. Roundtable presented at 2015 Clinical Aphasiology Conference; May 2015; Monterrey, CA.
37. Hayes RA, Dickey MW, Warren TC. Different effects of argument status and event plausibility on verb-argument prediction among young adults and individuals with aphasia. Poster presented at 2015 Clinical Aphasiology Conference; May 2015; Monterrey, CA.
38. Dickey MW, Warren TC, Hayes RA, Milburn EA. Prediction may be independent of production: Lexical predictability effects in aphasia. Poster presented at 2015 CUNY Sentence Processing Conference; March 2015; Los Angeles, CA.
39. Dickey MW, Warren TC, Hayes RA. Limited effect of argument status on prediction and integration of locative event participants. Poster presented at 2015 CUNY Sentence Processing Conference; March 2015; Los Angeles, CA.
40. Yang Y, Dickey MW, Fiez J, Murphy B, Mitchell T, Collinger J, Tyler-Kabara E, Boninger M, Wang W. Concept encoding in individual neurons of human motor cortex. Poster presented at Society for Neuroscience 2014; November 2014; Washington, DC.
41. Yoo H, Dickey MW. Garden-path effects and recovery in aphasia. Poster presented at 2014 Clinical Aphasiology Conference; May 2014; St. Simons Island, GA.
42. Dickey MW, Hula WD, Yoo H. Acquisition and generalization responses in aphasia treatment: Evidence from sentence-production. Paper presented at 2014 Clinical Aphasiology Conference; May 2014; St. Simons Island, GA.
43. Warren TC, Milburn EA, Dickey MW. No lexical boost: verb-based information does not facilitate prediction over and above event-based knowledge in the visual world. Poster presented at 2014 CUNY Sentence Processing Conference; March 2014; Columbus, OH.
44. Warren TC, Milburn EA, Dickey MW. Impossibility in Verb-Argument Processing cued by Verb- vs. Event-Knowledge Violations. Poster presented at 2014 Architectures and Mechanisms of Language Processing Conference; September 2014; Marseille, France.
45. Dickey MW, Yoo H. Acquisition Versus Generalization in Sentence Production Treatment in Aphasia: Dose-response Relationships. Paper presented at 2013 American Speech Language and Hearing Association Convention; November, 2013; Chicago, IL.
46. Winans-Mitrik RL, Schumacher J, Hula WD, Dickey MW, Doyle PJ. Descriptions of an intensive residential aphasia treatment program: Rationale, clinical processes, and outcomes. Paper presented at 2013 Clinical Aphasiology Conference; May 2013; Tucson, AZ.

47. Dickey MW, Warren TC. Verb-argument processing with and without event-related knowledge impairments. Poster presented at 2013 CUNY Sentence Processing Conference; March 2013; Columbia, SC.
48. Yoshida M, Carlson K, Dickey MW. Incremental parsing, gapping, and connectives. Paper presented at 2013 CUNY Sentence Processing Conference; March 2013; Columbia, SC.
49. Lim KY, McNeil MR, Dickey MW, Doyle PJ, Hula WD. Conflict Resolution and Goal Maintenance Components of Executive Attention are Impaired in Persons With Aphasia: Evidence from the Picture-Word Interference Task. Poster presented at 2012 American Speech Language and Hearing Association Convention; November 2012; Atlanta, GA.
50. Anatomical correlates of manipulable and non-manipulable object name generation in aphasia: A voxel-based lesion symptom mapping study. Reilly J, Harnish S, Park H, Paris A, Rodriguez A, Bennett J, Garcia A, Edmonds L, Dickey MW, Crosson B. Poster presented at the Society for the Neurobiology of Language 2012; October 2012; San Sebastian, Spain.
51. Den Ouden DB, Dickey MW. Neural correlates of the head-position effect in plausibility manipulations. Poster presented at the Society for the Neurobiology of Language 2012; October 2012; San Sebastian, Spain.
52. Fassbinder W, McNeil M, Dickey MW, Kim HS, Lim KY, Pratt S, Kendall D, Pompon R, Szuminsky N. Predictors of slowed reading times in persons with aphasia and control participants. Poster presented at Clinical Aphasiology Conference 2012; May 2012; Lake Tahoe, CA.
53. Lim KY, McNeil M, Doyle PJ, Hula WD, Dickey MW. Conflict Resolution and Goal Maintenance Components of Executive Attention are Impaired in Persons With Aphasia: Evidence from the Picture-Word Interference Task. Poster presented at Clinical Aphasiology Conference 2012; May 2012; Lake Tahoe, CA.
54. Dickey MW, Warren T. Neurolinguistic evidence for independent contributions of verb-specific and event-related knowledge to argument processing. Poster presented at CUNY Sentence Processing Conference 2012; March 2012; New York, NY.
55. den Ouden DB, Christianson K, Anderson C, Dickey MW. Neural correlates of prosody and plausibility in garden-path processing. Poster presented at the Society for the Neurobiology of Language 2011; November 2011; Annapolis, MD.
56. Dickey MW, Fassbinder W, McNeil M, Pratt S, Kendall D, Krieger D, Lim KY, Kim A, Szuminsky N, Pompon R. Varieties of linguistic complexity in a standardized assessment of language performance. Poster presented at Clinical Aphasiology Conference 2011; June 2011; Ft. Lauderdale, FL.
57. Fassbinder W, McNeil M, Dickey MW, Lim KY, Pratt S, Kim A, Kendall D, Pompon R, Szuminsky N. Developing a standardized measure of short-term memory and syntactic complexity: results from subtests of the CRTT-R. Paper presented at Clinical Aphasiology Conference 2011; June 2011; Ft. Lauderdale, FL.

58. McNeil M, Pratt S, Fassbinder W, Dickey MW, Kendall D, Lim KY, Kim A, Pompon R, Szuminsky N, Krieger D. Effects of linguistic complexity and executive attentional demands on sentence Comprehension in persons with aphasia and normal controls. Poster presented at Clinical Aphasiology Conference 2011; June 2011; Ft. Lauderdale, FL.
59. Yoshida M, Dickey MW, Carlson K. Parallelism and the incremental processing of ellipsis. Poster presented at CUNY Sentence Processing Conference 2011; March 2011; Palo Alto, CA.
60. Carlson K, Dickey MW. Contrast with the last constituent. Poster presented at CUNY Sentence Processing Conference 2011; March 2011; Palo Alto, CA.
61. Hayes RA, Dickey MW. The inner workings of working memory: Preliminary data from unimpaired populations. Poster presented at National Conference on Undergraduate Research 2011; March 2011; Ithaca, NY.
62. Hayes RA, Dickey MW. The inner workings of working memory: Preliminary data from unimpaired populations. Poster presented at Clinical Aphasiology Conference 2011; June 2011; Ft. Lauderdale, FL.
63. Dickey MW, Yoo H. Aging effects and working memory in garden-path sentence comprehension. Poster presented at CUNY Sentence Processing Conference 2011; March 2011; Palo Alto, CA.
64. Dickey MW, Yoo H. Aging effects and working memory in garden-path sentence comprehension. Poster presented at Clinical Aphasiology Conference 2011; June 2011; Ft. Lauderdale, FL.
65. Carlson K, Dickey MW. What to expect of a noun phrase. Poster presented at CUNY Sentence Processing Conference 2009; March 2009; Davis, CA.
66. Yoshida M, Dickey MW, Sturt P. Sluicing and syntactic prediction. Paper presented at Architectures and Mechanisms of Language Processing 2008; September 2008; Cambridge, UK.
67. den Ouden DB, Dickey MW, Anderson C, Christianson K. Not-good-enough processing in agrammatic and non-agrammatic speakers. Paper presented at CUNY conference on Sentence Processing 2008; March 2008; Chapel Hill, NC.
68. Yoshida M, Dickey MW. Active dependency formation for adjunct wh-phrases. Poster presented at CUNY conference on Sentence Processing 2008; March 2008; Chapel Hill, NC.
69. Yoshida M, Dickey MW. Yoshida M. Prediction in parsing: Either syntactic or semantic. Poster presented at CUNY conference on Sentence Processing 2008; March 2008; Chapel Hill, NC.
70. Thompson CK, Dickey MW, Lee J, Cho S, and Griffin ZM. Argument structure encoding in the production of verbs and sentences: An eyetracking study. Poster presented at Clinical Aphasiology Conference 2007; May 2007; Scottsdale, AZ.
71. Carlson K, Dickey MW. Double-object constructions and focus. Poster presented at CUNY conference on Sentence Processing 2007; March 2007; San Diego, CA.

72. Carlson K, Dickey MW, Frazier L and Clifton C. Focus in sluicing interpretation. Poster presented at CUNY conference on Sentence Processing 2007; March 2007; San Diego, CA.
73. Thompson CK, Dickey MW, Lee J, Cho S, and Griffin ZM. Argument structure encoding in the production of verbs and sentences: An eyetracking study. Poster presented at CUNY conference on Sentence Processing 2007; March 2007; San Diego, CA.
74. Dickey MW, Thompson CK. Automatic processing of wh- and NP movement in agrammatic aphasia. Poster presented at CUNY conference on Sentence Processing 2007; March 2007; San Diego, CA.
75. Thompson CK, Dickey MW, Lee J, Cho S, and Griffin ZM. Argument structure encoding in the production of verbs and sentences: An eyetracking study. Poster presented at International Workshop on Language Production 2006; July 2006; Chicago, IL.
76. Dickey MW, Choy JJ, Thompson CK. Real-time comprehension of wh- movement in aphasia: Evidence from eyetracking while listening. Paper presented at Clinical Aphasiology Conference 2005; May 2005; Sanibel Island, FL.
77. Carlson K, Frazier L, Clifton C and Dickey MW. How contrastive is contrastive focus? Paper presented at CUNY conference on Sentence Processing 2005; March 2005; Tucson, AZ.
78. Dickey MW, Milman LH, Thompson CK. Perception of functional morphology in agrammatic Broca's aphasia. Poster presented at CUNY conference on Sentence Processing 2005; March 2005; Tucson, AZ.
79. Thompson CK, Dickey MW, Choy JJ. Comprehension of wh- movement structures in aphasia: Evidence from eyetracking. Poster presented at CUNY conference on Sentence Processing 2004; March 2004; College Park, MD.
80. Carlson K, Dickey MW. Early effects of topicality, late effects of parallelism. Poster presented at CUNY conference on Sentence Processing 2004; March 2004; College Park, MD.
81. Carlson K, Dickey MW, Kennedy C. Accents, structures, and the interpretation of gapping sentences. Paper presented at meeting of the Linguistic Society of America 2004; January 2004; Boston MA.
82. Carlson K, Dickey MW, Frazier L and Clifton C. Sluicing is affected by focus, but how? Poster presented at Architectures and Mechanisms of Language Processing 2003; September 2003; Edinburgh, UK.
83. Carlson K, Dickey MW, Kennedy C. Accents, structures, and the interpretation of gapping sentences. Poster presented at Architectures and Mechanisms of Language Processing 2003; September 2003; Edinburgh, UK.
84. Carlson K, Dickey MW. Early parallelism trumps late syntax. Poster presented at CUNY conference on Sentence Processing 2003; March 2003; Boston, MA.
85. Dickey MW, Wyatt T, Hollebrandse B, DeVilliers J, Seymour H, and Terry JM. The acquisition of tense and aspect in African-American English. Symposium given at joint meeting of International

Congress for the Study of Child Language and the Symposium on Research in Child Language Disorders 2002; June 2002; Madison, WI.

86. Dickey MW, Bungler A. Assessing argument structure preferences: Sentence completion vs. argument structure estimation. Poster presented at CUNY conference on Sentence Processing 2002; March 2002; New York, NY.
87. Dickey MW, Kennedy C. Minimal structure in gapping. Paper presented at the meeting of the Linguistic Society of America 2002; January 2002; San Francisco, CA.
88. Dickey MW. Temporal relations and the interpretation of the English simple past. Poster presented at CUNY conference on Sentence Processing 2000; March 2000; San Diego, CA.
89. Dickey MW. The processing of temporal anaphora. Poster presented at CUNY conference on Sentence Processing 1999; March 1999; New York, NY.
90. Dickey MW, Vonk W. Verb-cluster sentences in Dutch: An on-line study. Paper presented at meeting of Linguistic Society of America 1998; January 1998; New York, NY.
91. Dickey MW, Vonk W. Center-embedded structures in Dutch: An on-line study. Poster presented at CUNY Conference on Human Sentence Processing 1997; March 1997; Santa Monica, CA.
92. Benedicto E, Dickey MW, Hale K. Twahka: A neglected variety of Sumu. Paper presented at the joint annual meeting of the Society for the Study of Indigenous Languages of the Americas and the Linguistic Society of America 1996, January 1996; San Diego, CA.
93. Dickey MW, Jackson J. The acquisition of habitual 'be' in African-American English. Poster presented at annual meeting of the American Speech and Hearing Association 1995; November 1995; Orlando, FL.
94. Dickey, MW. Constraints on the sentence processor and the distribution of resumptive pronouns. Poster presented at annual meeting of Linguistic Society of America 1995; January 1995; New Orleans, LA.

3. Other research activities

Journal refereeing

Guest Associate Editor:

- American Journal of Speech-Language Pathology 2011

Associate Editor (Language section):

- Journal of Speech Language and Hearing Research 2016-2017

Ad-hoc reviewer:

- Language 2000-2003
- Lingua 2001-present

- Cortex 2004-present
- Brain and Language 2004-present
- Journal of Memory and Language 2004-present
- Journal of Neurolinguistics 2004-present
- Neuropsychologia 2004-present
- Aphasiology 2007-present
- Cognition 2008-present
- Journal of Speech Language and Hearing Research 2008-present
- Neurology India 2008
- Syntax 2008-present
- Language, Cognition and Neuroscience (formerly Language and Cognitive Processes) 2008-present
- American Journal of Speech-Language Pathology 2011-present
- Experimental Aging Research 2012
- Clinical Linguistics and Phonetics 2012
- Cognitive Neuropsychology 2014-present
- Journal of Communication Disorders 2014-present
- Journal of Experimental Psychology: Learning, Memory & Cognition 2015-present
- Human Brain Mapping 2015-present
- Quarterly Journal of Experimental Psychology 2015-present
- Frontiers in Psychology 2015-present
- Journal of Experimental Psychology: General 2017
- Memory and Cognition 2017-present
- Language and Linguistic Compass 2018
- Psychometrika 2019
- Folia Phoniatica et Logopaedica 2021
- Linguistic Vanguard 2021
- Computational Brain and Behavior 2022
- Annals of the New York Academy of Sciences 2022
- Languages 2022
- Frontiers in Human Neuroscience 2022

Conference refereeing

Abstract reviewer:

- CUNY Conference on Human Sentence Processing 2001-2013, 2017
- Cognitive Science Society conference 2004
- Architectures and Mechanisms of Language Processing 2009-present

Program committee:

- Clinical Aphasiology Conference 2007, 2011, 2014, 2015
- American Speech Language and Hearing Association Conference, Speech and Language Science Topic Area 2016
- Academy of Aphasia 2017-2019

Program chair:

- Academy of Aphasia 2019
- Clinical Aphasiology Conference 2022

Conference chair:

- Clinical Aphasiology Conference 2023

Organizing committee:

- New Perspectives on Language Acquisition Conference 1997
- Human Sentence Processing Conference, Univ. of Pittsburgh 2023

Grant reviewing

- Standing member, Language and Communication (LCOM) Special Emphasis Panel, National Institutes of Health 2016-2020
- Alternate chair 2017-2018

Ad-hoc reviewer:

- NIDCD Translational Application Special Emphasis Panel 2022
- E-26 "NIDCD Clinical Research Center Grant (P50) Review" Special Emphasis Panel 2022
- National Center of Neuromodulation for Rehabilitation Pilot Grant Awards 2021-
- Member conflict Special Emphasis Panel, NIH 2020
- Language and Communication (LCOM) Special Emphasis Panel, NIH 2016
- National Science Foundation (BCS section, Linguistics section) 2001-2003, 2016
- Israel Science Foundation 2007, 2015
- Netherlands Organization for Scientific Research (NWO) 2007
- ASHFoundation 2011, 2015

Book reviewer:

- Blackwell Publishers 2001
- Center for the Study of Language and Information 2002

LIST of CURRENT RESEARCH INTERESTS

Language processing impairments in aphasia

- Syntactic comprehension impairments
- Verb-argument processing and verb-argument processing impairments
- Neurocognitive bases of verb/event meaning and noun/verb retrieval

Aphasia treatment and rehabilitation

- Treatment outcome prediction
- Dosage and active ingredients of aphasia treatment

Other aspects of sentence comprehension

- Ellipsis processing in neurotypical adults
- Comprehension of tense among typical and language-impaired adults

Language and communicative impairments following brain damage (aphasia) are a common and debilitating experience for survivors of stroke. As many as 30% of stroke survivors experience lasting language impairments, with between 2 and 4 million people in the U.S. currently living with aphasia and over 180,000 new cases of aphasia annually. Impairments in the ability to produce and understand language can disrupt many activities of daily living, including family role participation, vocational opportunities and functional independence. These communicative impairments contribute directly to the over 38 million disability-adjusted life years lost worldwide due to stroke.

Understanding and remediating these language impairments is therefore of critical importance. The neural and cognitive bases of word- and sentence-level language-processing impairments in aphasia remain underspecified. For example, it remains unclear what sources of knowledge people with aphasia draw on to understand or produce sentences. Similarly, the neural substrates of the ability to produce words (or of word-production impairments in aphasia) have yet to be defined. Identifying what systems and capacities are intact or impaired post-stroke, as well as how people with aphasia use them to support language performance, can inform not only mechanistic models of cognitive function but aphasia treatment approaches.

Equally importantly, the mechanisms and predictors of effective behavioral aphasia treatment also remain unknown. For example, it is unclear whether aphasia treatment has its beneficial effects by stimulating the cognitive and neural systems that supported word- and sentence-level processing pre-stroke, by promoting engagement of different neural and cognitive systems to support improved language-processing function, or both. Similarly, it remains unknown what types or features of behavioral aphasia treatments are most likely to result in generalized benefit (improved word- or sentence-level function beyond the particular words or sentences targeted in treatment), or which individuals will benefit most from a particular aphasia treatment. Knowing the answers to these questions – how aphasia treatments work, which types or features of treatments work best, or which people these treatments work best for – is key to optimizing treatment outcomes.

My research program stands at the intersection of these two issues, involving both *basic research* on the nature of language impairments in aphasia and *treatment research* on how to remediate aphasic language impairments. Both lines of research grow out of my joint training in formal linguistics, psycholinguistics, and aphasiology. Furthermore, they have grown and been implemented in a rich collaborative context, in partnership with researchers and clinicians at the University of Pittsburgh, VA Pittsburgh Healthcare System, and University of Pittsburgh Medical Center. This unique background enables me to use a combination of experimental, neuroimaging, intervention-based, and sophisticated modelling methods to examine the cognitive processes, neural systems, and treatment methods associated with not only language impairments but positive language-treatment outcomes post-stroke. *Of note, I am one of only a handful of scholars worldwide pursuing a joint program of both basic and clinical research focused on aphasia.* In addition, I continue to conduct research on other aspects of sentence comprehension, together with colleagues.

SERVICE

1. International

External thesis examiner, Rehabilitation Sciences Institute, University of Toronto
Simic T.

2019

2. National

Continuing Education Administrator, American Speech-Language-Hearing Association	2008-2011
Reviewer, SPARC Program, American Speech-Language-Hearing Foundation Reviewer for Students Preparing for Academic and Research Careers (SPARC) program, Reviewing 3-6 research proposals by undergraduate or MA-level students.	2011
Reviewer, GRRT Program, American Speech-Language-Hearing Foundation Reviewer for Grant Review and Reviewer Training (GRRT) program, Reviewing 6-8 research proposals by PhD students or early-career investigators, and training new reviewers to be successful ad-hoc or standing study-section members.	2015

3. University, department, and school

Department

Departmental service

Member, Admissions Committee, Department of Communication Science & Disorders	2007-2008; 2011-2012
Reviewed graduate admissions folders; compiled a new electronic database of admissions and graduate outcomes data; analyzed admissions data for statistical predictors of graduate program performance.	
Examiner, MA-SLP student oral comprehensive exams Examiner for approximately 10 students annually.	2008-present
Departmental IRB scientific reviewer Responsible for initial review of all faculty and student human-subjects research submissions, prior to University-level review.	2017-pres.
Search committee member, tenure-track faculty position in adult neurogenics	2016-2017
Search committee chair, tenure-track faculty position Coordinated search, interview, and review process for speech and voice science faculty position in CSD (21 applicants)	2017
Search committee chair, Vice Chair for Research position Coordinated search, interview, and review process for new Vice-Chair for Research position (2 applicants)	2018
Search committee member, open-specialty tenure-track faculty position	2018-2019
Founding member, Committee on Equity, Justice and Inclusion Founding member of committee dedicated to developing policies that will promote inclusion and overcome barriers to participation by members of underrepresented groups across the education, research, and clinical-practice missions of the Communication Science and Disorders department. Responsible for: identifying and developing EJI-focused research opportunities	2020-pres.

Departmental Leadership

Director of Continuing Education, Department of Communication Science & Disorders	2008-2011, 2012-2016
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Reviewed and supervised all continuing-education programs for audiologists and speech-language pathologists offered by or in conjunction with the University of Pittsburgh; developed new continuing education offerings and programming.

Director of Communication Science and Disorders Ph.D. Program 2017-2022
Coordination and supervision of Ph.D. curriculum; planning and development of Ph.D.-level coursework and programming (including: content seminars in audiology and speech-language pathology; Ph.D. professional-development seminars; weekly Research Round Table); management of all aspects of Ph.D. admissions process (including: Ph.D. student recruitment; review of Ph.D. applicants; interacting with all applicants); documentation, review, and management of PhD program procedures and regulations (including: Ph.D. advising and plan of study documents; Ph.D. handbook); coordinating annual review of Ph.D. students; monthly meetings with PhD student representatives to address concerns

Director, CSD PhD Admissions Committee 2018-2022
Responsible for: development and implementation of new two-level admissions-review and decision procedures for CSD PhD program (created and implemented, spring 2018); coordinating annual review process (11-15 applicants per cycle); interfacing with SHRS admissions director and Associate Dean for Graduate Studies.

School

School service

Nominating Committee, School of Health and Rehabilitation Sciences 2011-2014
Helped identify candidates for faculty governance positions and reviewed candidates' qualifications. Served as Chair of Nominating Committee, 2013-2014.

Member and CSD representative, Graduate Faculty Orientation Task Force 2019
Helped create new guidelines, procedures, and manual for applications and evaluation for School of Health and Rehabilitation Science faculty applying for University of Pittsburgh graduate-faculty status.

Member and CSD representative, Advancement Promotion and Tenure Task Force 2020-
Helped create new procedures and bylaws for evaluation for School of Health and Rehabilitation Science faculty applying for promotion and tenure.

Faculty leader, VA-SHRS Collaboration Initiative 2022-pres.
In partnership with SHRS Associate Dean for Research, responsible for convening town halls, individual meetings, and joint VA-SHRS retreat to identify opportunities for renewed and expanded research and training collaborations between SHRS and VA Pittsburgh.

School Leadership

Assistant Dean of Graduate Studies, School of Health and Rehabilitation Sciences 2022-2023
Responsible for oversight and management of all graduate programs in the School of Health and Rehabilitation Sciences, managing SHRS graduate-faculty training and nomination processes, serving as liaison between SHRS and the Vice Provost of Graduate Studies office, and representing SHRS in University-wide meetings and initiatives related to graduate studies.

University

SHRS representative, University Council of Graduate Studies 2021-pres.
Responsible for representing SHRS at monthly meetings, focused on development of policies and initiatives for graduate studies and students at the University of Pittsburgh and on evaluation of graduate-program proposals.

Panelist, University Mentoring and Advising Summit 1/2023
Panel member for panel focused on best practices in PhD student milestone assessment.

Community

Midwestern Regional Aphasia Conference (Northbrook, IL) 2006
Member, organizing committee: assisted with all aspects of programming and planning.
Head of fundraising: raised over \$15,000 in support of the conference.

Colfax Accelerated Learning Academy Parent-Teacher Organization 2008-2009
VP of Fundraising

Judge, Intel Science and Engineering Fair (ISEF), Pittsburgh PA 2012
Judged social and behavioral science projects by high-school students at international science fair.

Public lectures and media appearances

- Panelist, *Extension 720*, discussion of the origins of language 3/2003
WGN Radio, Chicago
- Panelist, *River West Flowing*, discussion of aphasia 10/2006
CAN-TV, Chicago
- “An evening with a cognitive psychologist: Illusions in sound, sight, and speech” 9/2009
Lecture, Psychology Society, Singapore Institute of Management
- Interview on speaking habits of Mike Tomlin, *Pittsburgh Post-Gazette* 1/2014
 (“Obviously enough, Tomlin's favorite word is 'obviously'”, Jan. 11, 2014)
- Public lectures on the science of language, Pittsburgh Theological Seminar; 12/2017; 2/2018
part of AAS-sponsored continuing-education series on the intersection of science and religion
(December 6, 2017; February 3, 2018)
- Lecture to AP Psychology class on science of language, Fox Chapel Area High School 4/2019
- Panelist, Panel on Working with Underrepresented Populations 2/2020
Learning Research and Development Center, University of Pittsburgh