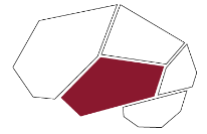


# Jamie Reilly, PhD

Professor, Temple University



## Contact

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## Academic Positions

Professor (Full)	Communication Sciences & Disorders Psychology, Neuroscience (affiliations)	Temple University	2020-
Associate Professor	Communication Sciences & Disorders	Temple University	2015-20
Interim Department Chair	Communication Sciences & Disorders	Temple University	2015-17
Assistant Professor	Communication Sciences & Disorders	Temple University	2014-15
Assistant Professor	Speech, Language, Hearing Sciences	University of Florida	2007-13

## Education

NIH/NIA T32 Postdoctoral Fellowship, Cognitive Neuroscience University of Pennsylvania, Philadelphia, Pennsylvania Advisor: Murray Grossman MD, EdD	2005-07
Ph.D., Cognitive Psychology Temple University, Philadelphia, Pennsylvania Advisors: Robert Weisberg PhD, Nadine Martin PhD, & Nora Newcombe PhD	2001-05
M.A., Speech-Language-Hearing Temple University, Philadelphia, Pennsylvania Advisors: Eleanor M Saffran PhD & Aquiles Iglesias PhD	1998-01
B.A., Russian Language and Anthropology Tulane University, New Orleans, Louisiana	1989-93

## Clinical Professional License • Academic Societies

- American Speech-Language-Hearing Association (ASHA, CCC-SLP), License #12070516, 2001-present
- Speech-Language Pathologist, Pennsylvania State Licensure, License #SL-007143
- Academy of Aphasia: 2005-2013
- Society for the Neurobiology of Language  
Secretary 2018-21 (international/elected position), Program Committee: 2020, 2021

## Research Specialties • Methods Expertise

- Semantic Memory and Language Processing
- Psycholinguistics and Neurolinguistics
- Progressive Language Disorders
- Eyetracking, Pupillometry, Neuroimaging, Neurostimulation (tDCS)
- Statistical Programming with R, Text Mining, Graphic Design, Open-source Software Development





## Honors • Scholarships

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- American Speech-Language-Hearing Association: Lessons for Success Invited Mentor 2018
- Scholarship: APA Training Institute fMRI: Massachusetts General Hospital June 2006
- Scholarship: John Merck Institute, Biology of Developmental Disabilities: Princeton University June 2003
- Russian Book Prize: Tulane University May 1993

## Research Support

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National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) R01 DC013063-11 2024-29

Title: Early detection and treatment of emerging cognitive linguistic impairment in minority cognitive aging and primary progressive aphasia

This project is investigating implicit language and cognitive factors that mark the onset of subtle semantic impairments associated with mild cognitive impairment in a prospective cohort of underrepresented minority older adults. A secondary aim is to establish PupilBank, a database of longitudinal norms for evoked pupil responses to various stimuli and conditions (e.g., light/dark reflexes, resting state, auditory target detection).

Role: Principal Investigator; Total approximate costs (Direct & Indirect): \$2,500,000

National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) R13 DC016550 2023-28

Title: The Eleanor M. Saffran Conference on the Cognitive Neuroscience of Rehabilitation of Communication Disorders

This annual conference offers a venue for researchers, clinicians, and students to present original research and engage in cross-disciplinary interactions focused on numerous themes (e.g., dyslexia, deafness, aphasia) in translational cognitive neuroscience and neurorehabilitation.

Role: Co-Principal Investigator (PI is Nadine Martin, PhD)

National Science Foundation (NSF) 2024-27

Title: Identifying Signals of Social Connection in Intergenerational Communication

This project will elucidate features of naturalistic conversation that promote semantic and affective alignment or 'common ground' between interlocutors of different ages. We will seed numerous friendships between a cohort of younger and older adults and examine longitudinal changes in conversation dynamics, relating these phenomena to demographic and individual difference trajectories.

Role: Co-Investigator (PI is Chelsea Helion, PhD)

under  
review

## Peer-Reviewed Journal Articles

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1. **Reilly J**, \*Ulichney V, \*Sacks B, \*Duncan A, Weinstein S, Giovannetti T, & Helion C (in preparation). Why is it so difficult to talk to an older (or younger) person? Age discrepancies modulate dyadic alignment and language use.
2. \*Ulichney V, \*Sacks B, \*Duncan A, Weinstein S, Giovannetti T, Helion C, & **Reilly J** (under review). ConversationAlign: A computational pipeline for analyzing natural language dyads. *Journal of Memory and Language*.
3. \*Flurie M & **Reilly J** (in preparation) Distinct neural signatures of verbal and nonverbal symbolic representation of abstract concepts via the N400.
4. **Reilly J**, Shain C, Borghesani V, Kuhnke P, Vigliocco G, Peelle JE, Mahon B, Buxbaum L, Majid A, Brysbaert M, Borghi A, De Deyne S, Dove G, Papeo L, Pexman P, Poeppel D, Lupyan G, Boggio P, Hickock G, Gwilliams L, Fernandino L, Mirman D, Chrysikou EG, Sandberg C, Crutch SJ, Pytkäinen L, Yee E, Jackson R, & Rodd J, Bedny M, Connell L, Kiefer M, Kemmerer D, Zubicaray G, Jefferies E, Lynott D, Siew C, Desai R, Cantlon J, McRae K, Diaz M, Bolognesi M, Patterson K, Fedorenko E, Kiran S, Montefinese M, Vigliocco G, Binder JR, Yap M, Hartwigsen G, Bi Y, Hoffman, P, Garcea F, & Vinson D (revision invited). What we mean when we say semantic: A consensus statement on the nomenclature of semantic memory. *Psychonomic Bulletin and Review*.
5. Cheng X, Popal H, Hu R, Zang Y, Wang H, Zang Y, Zhang M, Thornton M, HuaJian C, Bi Y, **Reilly J**, Olson I, & Wang Y (under review) Conceptual structure of human relationship knowledge across modern and historical cultures. *Nature Human Behavior*
6. \*Kelly A, Kennett YN, Medaglia J, **Reilly J**, & Chrysikou E (2024). Conceptual structure of emotions. *Emotion*.





## Peer-Reviewed Journal Articles

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7. **Reilly J** & Peelle JE (2023). Modality-specificity is not a necessary condition for grounded semantic cognition: A Commentary on Calzavarini (2023). *Language, Cognition, and Neuroscience*.
8. **Reilly J**, \*Finley AM, Litovsky C, & Kennett Y (2023) Bigram semantic distance in continuous language narratives: Theory, method, applications. *Journal of Experimental Psychology: General*. 152(9), 2578-2590.
9. \*McLaughlin D, Zink M, Gaunt L, **Reilly J**, Sommers MS, Van Engen KJ, & Peelle JE (2023). Give me a break! Unavoidable fatigue effects in cognitive pupillometry. *Psychophysiology*, 60(7), e14256, DOI: 10.1111/psyp.14256
10. \*Jobson K, Hoffman LJ, \*Metoki A, Popal H, Dick AS, **Reilly J**, & Olson, I (2022). Language and the cerebellum: Structural connectivity to the eloquent brain. *Neurobiology of Language*.
11. Litovsky C, \*Finley AM, \*Zuckerman B, \*Sayers M, \*Schoenhard JA, Kennett Y, & **Reilly J** (2022) Semantic flow and its relation to controlled lexical-semantic retrieval deficits in aphasia. *Neuropsychologia*, 170(6),
12. \*Flurie M, \*Kelly A, Olson I, & **Reilly J** (2022) SymCog: An open-source toolkit for assessing human symbolic cognition. *Behavior Research Methods*. doi/10.3758/s13428-022-01853-0
13. Sayers M, \*Laval D, **Reilly J**, & Martin N (2022) Integrity of input verbal short-term memory ability predicts naming accuracy in aphasia. *Aphasiology*. <https://doi.org/10.1080/02687038.2022.2043233>
14. **Reilly J**, \*Finley AM, Zuckerman B, \*Kelly A, & \*Flurie M (2021) The semantics of smell: A neuropsychological case-control study of lexical-semantic processing in total anosmia. *Neurocase*. 1-11, doi: 10.1080/13554794.2020.1871491.
15. **Reilly J**, \*Ungrady M, & \*Flurie M (2020) Eyetracking during picture naming as a predictor of future lexical dropout in progressive anomia. *Neuropsychological Rehabilitation*, 28, 1-19. Doi: 10.1080/09602011.2020.1835676.
16. \*Flurie M, \*Ungrady M, & **Reilly J** (2020) Evaluating a maintenance-based treatment approach to preventing lexical dropout in progressive anomia. *Journal of Speech, Language, & Hearing Research*, 63(12), 4082-4095. doi: 10.1044/2020\_JSLHR-20-00059.
17. **Reilly J**, Zuckerman B, \*Kelly A, \*Flurie M, & \*Rao S (2020) Neuromodulation of cursing in American English: A combined tDCS and pupillometry study. *Brain & Language*, 206:104791. Doi: 10.1016/j.bandl.2020.104791.
18. **Reilly J**, \*Flurie M, & Peelle JE (2020) The English lexicon mirrors functional brain activation for a sensory hierarchy dominated by vision and audition: Point-counterpoint. *Journal of Neurolinguistics*. 55:100895. Doi: 10.1016/j.jneuroling.2020.100895.
19. **Reilly J**, Kelly A, Zuckerman B, \*Twigg P, \*Wells M, \*Jobson K, & \*Flurie M (2020) Building the perfect curse word: A psycholinguistic investigation of the form and meaning of taboo words. *Psychonomic Bulletin & Review*. 27(1), 139-148. Doi:10.3758/s13423-019-01685-8.
20. \*Ungrady M, \*Flurie M, Mirman D, & **Reilly J** (2019) Naming vs. knowing revisited: An eyetracking analysis of visual confrontation naming in progressive aphasia. *Frontiers in Human Neuroscience*, 11. Doi: 10.3389/fnhum.2019.00354.
21. **Reilly J**, \*Kelly A, \*Jett S, \*Kim S, & Zuckerman B (2019) The human task-evoked pupillary response function is linear: Implications for baseline response scaling in pupillometry. *Behavior Research Methods*. 51(2), 865-878.
22. \*Seligman-Rycroft S, Giovannetti T, Shipley T, \*Hulsit J, \*Divers R, **Reilly J** (2018) Windows to functional decline: Exploration of naturalistic eye movements in older and younger adults. *Psychology & Aging*, 33(8):1215-1222. doi:10.1037/pag0000320
23. Binney RJ, \*Ashaie SA, Zuckerman BM, Hung J, & **Reilly J** (2018) A combined neurostimulation and eyetracking investigation of semantically-guided visual search in confrontation naming. *Brain & Language*, (180), 14-23. doi:10.1016/j.bandl.2018.04.004.
24. Binney RJ, \*Ashaie SA, Zuckerman BM, Hung J, & **Reilly J** (2018). Cathodal tDCS of the bilateral anterior temporal lobes facilitates semantically-driven verbal fluency. *Neuropsychologia*, 111, 62-71. doi:10.1016/j.neuropsychologia.2018.01.009
25. \*Troche J, Crutch SJ, & **Reilly J** (2017) Defining a conceptual topography of word concreteness: Clustering properties of emotion, sensation, and magnitude among 750 English words. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2017.01787>
26. Hung J, Bauer A, Grossman M, Coslett HB, Hamilton RH, & **Reilly J** (2017) Semantic feature training in combination with transcranial direct current stimulation (tDCS) for progressive anomia. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2017.00253
27. **Reilly J**, \*Hung J, & Westbury C (2017) Non-arbitrariness in mapping word form to meaning: Cross-linguistic formal markers of word concreteness. *Cognitive Science*, 41(4), 1071-1089. Doi: 10.1111/cogs.12361



## Peer-Reviewed Journal Articles

28. Primativo S, **Reilly J**, & Crutch SJ (2017) Abstract conceptual feature ratings predict gaze within written word arrays: evidence from a visual word paradigm. *Cognitive Science*, 41(3), 659-685. Doi: 10.1111/cogs.12348
29. Binney RJ, \*Zuckerman B, & **Reilly J** (2016) A neuropsychological perspective on abstract word representation: From theory to treatment of acquired language disorders. *Current Neurology and Neuroscience Reports*. 16(9), 79-89. Doi: 10.1007/s11910-016-0683-0
30. \*Hung J, Edmonds LM, & **Reilly J** (2016) Words speak louder than pictures for action concepts: An eyetracking investigation of the picture superiority effect in semantic categorization. *Language, Cognition, and Neuroscience*. 31(9), 1150-1166. <https://doi.org/10.1080/23273798.2016.1198818>
31. **Reilly J**, \*Garcia A, & Binney RJ (2016) Does the sound of a barking dog activate its corresponding visual form? An fMRI investigation of modality-specific semantic access. *Brain & Language*, 159, 45-59.
32. **Reilly J**, Peelle JE, \*Garcia A, & Crutch SJ (2016) Linking somatic and symbolic representation in semantic memory: The Dynamic Multilevel Reactivation Framework. *Psychonomic Bulletin & Review*, 23, 1002-1114.
33. **Reilly J** (2016) How to constrain and maintain a lexicon for the treatment of progressive semantic naming deficits: Item selection principles for formal semantic therapy. *Neuropsychological Rehabilitation*, 26(1), 125-156. Doi:10.1080/09602011.2014.1003947
34. **Reilly J**, Harnish S, \*Garcia A, \*Hung J, \*Rodriguez A, & Crosson B (2014) Lesion symptom mapping of manipulable object naming in nonfluent aphasia: Can a brain be both embodied and disembodied? *Cognitive Neuropsychology*, 31(4), 1-26. doi: 10.1080/02643294.2014.914022
35. \*Troche J, Crutch SJ, & **Reilly J** (2017). Clustering and hierarchical organization in the topography of English abstract and concrete words. *Frontiers in Psychology*, 5:360. doi:10.3389/fpsyg.2014.00360
36. \*Benjamin ML, Towler S, \*Garcia A, \*Park H, Sudhyadhom A, Harnish S, McGregor KM, **Reilly J**, Rosenbek JC, Gonzalez -Rothi LJ, Zlatar Z, & Crosson B (2014) A behavioral manipulation engages right frontal cortex in aphasia rehabilitation. *Neurorehabilitation & Neural Repair*, 28(6), 545-553. Doi: 10.1177/1545968313517754
37. Crutch SJ, \*Troche J, **Reilly J**, & Ridgway G (2013) Abstract conceptual feature ratings: the role of emotion, magnitude and other cognitive domains in the organization of abstract conceptual knowledge. *Frontiers in Human Neuroscience*, 7:186. Doi: 10.3389/fnhum.2013.00186
38. Chrysikou L, Ramey CH, & **Reilly J** (2013) Snapshots of children's changing biases during language development: Differential weighting of perceptual and linguistic factors predicts noun age-of-acquisition. *Journal of Cognition and Development*, 14(4), 573-592.
39. **Reilly J**, Westbury C, Kean J, & Peelle JE (2012) Arbitrary symbolism in natural language revisited: when word forms carry meaning. *PloS One*, 7(8): e42286, 1-15. Doi: 10.1371/journal.pone.0042286
40. \*Rodriguez A, McCabe M, Nocera J, & **Reilly J** (2012) Concurrent word generation and motor performance: Further evidence for language-motor interaction. *PloS One*, 7(5), 370-394. Doi: 10.1371/journal.pone.0037094.
41. \*Troche J, Troche M, Berkowitz R, Grossman M, & **Reilly J** (2012) Tone discrimination as a window into acoustic perceptual deficits in Parkinson's Disease. *American Journal of Speech-Language Pathology*, 21, 258-263. doi: 10.1044/1058-0360(2012/11-0007), PMID: 22442285.
42. Martin N & **Reilly J** (2012) Short-term/working memory impairments in aphasia: Data, models, and their application to rehabilitation. *Aphasiology*, 26(3-4), 253-257.
43. **Reilly J**, \*Troche J, \*Paris A, \*Park H, Kalinyak-Fliszar M, & Martin N (2012) Lexicality effects in word and nonword recall of semantic dementia and progressive nonfluent aphasia. *Aphasiology*, 26(4), 404-427.
44. **Reilly J** & \*Fisher J (2012) Sherlock Holmes and the strange case of the missing attribution: A historical note on the Grandfather Passage. *Journal of Speech, Language, and Hearing Research*, 55, 84-88. Doi: 10.1044/1092-4388(2011/11-0158)
45. \*Park H, Rogalski Y, Rodriguez A, \*Benjamin M, \*Zlatar Z, Bennett J, Harnish S, Rosenbek JC, Crosson B, & **Reilly J** (2011) Discriminating fluent from nonfluent aphasia: Which perceptual features count? *Aphasiology*, 25(9), 998-1015. PMID: 22180696.
46. \*Rogalski Y, Peelle JE, & **Reilly J** (2011) Effects of perceptual enrichment on visual confrontation naming in adult aging. *Journal of Speech, Language, & Hearing Research*, 54, 1349-160. Doi: 10.1044/1092-4388(2011/10-0178).
47. **Reilly J** & Kean J (2011) Information content and word frequency: Word length matters. *Proceedings of the National Academy of Sciences, USA*. [author reply] doi: pnas.1103035108.
48. **Reilly J**, Antonucci S, Peelle JE, & Grossman M (2011) Anomia as a marker of distinctive semantic impairments in Alzheimer's Disease and Semantic Dementia. *Neuropsychology*, 25(4), 413-426. Doi: 10.1037/a0022738, PMID:21443339.





## Peer-Reviewed Journal Articles

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49. **Reilly J**, \*Rodriguez A, Peelle JE, & Grossman M (2011) Frontal lobe damage impairs process and content in semantic memory: Evidence from category specific effects in progressive nonfluent aphasia. *Cortex*, 47, 645-658, doi: 10.1016/j.cortex.2010.05.005
50. Harnish S, Neils-Strunjas J, Eliassen J, **Reilly J**, Meinzer M, Clark J, & Joseph J (2010) Visual discrimination predicts naming and semantic association accuracy in Alzheimer's disease. *Cognitive and Behavioral Neurology*, 23(4), 231-239. Doi: 10.1097/WNN.0b013e3181e61cf1
51. **Reilly J**, \*Rodriguez A, Lamy M, & Neils-Strunjas J (2010) Cognition, language, and clinical pathological course of non-Alzheimer's dementias: An overview. *Journal of Communication Disorders*, 43, 438–452, doi: 10.1016/j.jcomdis.2010.04.011
52. Antonucci S & **Reilly J** (2008) Semantic memory and language: A primer. *Seminars in Speech and Language*, 29(1), 1-17, doi: 10.1055/s-2008-1061621
53. **Reilly J** & Peelle JE (2008) Effects of semantic impairment on language processing in semantic dementia. *Seminars in Speech and Language*, 29(1), 32-43.
54. **Reilly J** (2008). Semantic memory and language processing in dementia and aphasia: Preface. *Seminars in Speech and Language*, 29(1), 1-4.
55. **Reilly J**, Chrysikou E, & Ramey CH (2007). Support for hybrid models of the age of acquisition of English nouns. *Psychonomic Bulletin & Review*, 14(7), 1164-1170.
56. **Reilly J**, Troiani V, Grossman M, & Wingfield A (2007). An introduction to hearing loss and screening procedures for behavior research. *Behavior Research Methods*, 39(3), 667-672.
57. **Reilly J**, \*Cross K, Troiani V, & Grossman M (2007) Single word semantic judgments in semantic dementia: Do phonology and grammatical class count? *Aphasiology*, 21(6), 558-569.
58. **Reilly J** & Kean J (2007) Formal distinctiveness of high- and low-imageability nouns: Analyses and theoretical implications. *Cognitive Science*, 31, 1-12.
59. **Reilly J**, Martin N, & Grossman M (2005) Verbal learning in semantic dementia: Is repetition priming a useful strategy? *Aphasiology*, 19(3/4/5), 329-339.
60. **Reilly J** & Donaher J (2005) Verbal working memory skill and strategy use of children who stutter: A preliminary investigation. *Contemporary Issues in Communication Sciences and Disorders*, 32, 38-42

## Book/Encyclopedia Chapters

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1. **Reilly J**, Kelly A, & Zuckerman B (2023) A primer on design and data analysis for cognitive pupillometry. In S Goldinger & M Papesh (Eds.), *Modern Pupillometry*. Zurich, Switzerland. Springer Nature.
2. **Reilly J** & Martin N (2017) Transcortical sensory aphasia and semantic processing. In LJ Gonzalez- Rothi & AM Raymer (Eds.), *The Oxford Handbook of Aphasia and Language Disorders*. Oxford, UK. Oxford University Press.
3. **Reilly J** (2016) Language disorders. In H Miller (Ed.), *Encyclopedia of Theory in Psychology*. Thousand Oaks, CA: Sage Press.
4. \*Garcia A & **Reilly J** (2015) Linguistic disruption in Primary Progressive Aphasia, Alzheimer's Disease and Frontotemporal Degeneration. In RH Bahr & ER Silliman (Eds.), *Routledge Handbook of Communication Disorders*. London, UK: Routledge Press. ISBN: 978-0-415-82102-5.
5. Kean J & **Reilly J** (2014) Classical test theory. In FM Hammond, JF Malec, T Nick, & R Buschbacher (Eds.) *Handbook for Clinical Research: Design, Statistics and Implementation*. (pp 192-194). New York, NY: Demos Medical Publishing.
6. Kean J & **Reilly J** (2014) Item response theory. In FM Hammond, JF Malec, T Nick, & R Buschbacher (Eds.) *Handbook for Clinical Research: Design, Statistics and Implementation*. (pp195-198). New York, NY: Demos Medical Publishing.
7. **Reilly J** & \*Hung J (2013) Communication in the dementias. In L. Cummings (Ed.), *The Cambridge Handbook of Communication Disorders* (pp. 266-283). Cambridge, UK: Cambridge University Press.
8. **Reilly J**, \*Troche J, & Grossman M (2011) Language processing in dementia. In A. Budson and N. Kowell (Eds.), *The Handbook of Alzheimer's Disease and Other Dementias* (pp 336-368). West Sussex, UK: Wiley-Blackwell Inc.
9. Lamy M, **Reilly J**, & Neils-Strunjas J (2011) The Dementias: An overview of Alzheimer's disease and related disorders. In M. Kimbarow (Ed.), *Cognitive Communication Disorders* (pp 169-218). San Diego, CA: Plural Publishing.



## Books (Ed)

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Martin N & **Reilly J** (Eds) (2012) *Short term and working memory impairments in aphasia*. London: Routledge/Psychology Press. ISBN-10: 184872764X.

## Software: R Packages

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1. **Reilly J**, \*Duncan, A, \*Ulichney G, \*Sacks B, \*Hunter E, \*Kirby G, Weinstein S, Giovannetti T, Helion C (2023). USAPresidentialDebates: US presidential debate transcripts and associated metadata from 1960 to 2020. <https://github.com/Reilly-ConceptsCognitionLab/USAPresidentialDebates>
2. **Reilly J**, \*Ulichney G, \*Sacks B, \*Duncan A, Weinstein S, Giovannetti T, Helion C (2023). ConversationAlign: An R package for analyzing alignment in natural language dyads. <https://github.com/Reilly-ConceptsCognitionLab/ConversationAlign>
3. **Reilly J**, Zuckerman B, & Litovsky C (2023). semdistflow: computing continuous bigram semantic distance in natural language samples. <https://github.com/Reilly-ConceptsCognitionLab/semdistflow>
4. **Reilly J** (2023). curseR: an R package for generating novel combinations of curse words. <https://github.com/Reilly-ConceptsCognitionLab/curseR>

## Doctoral Dissertation

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**Reilly J** (2005). A tale of two imageabilities: An interaction of sound and meaning in natural language perception. Dissertation Abstracts International: Section B: The Sciences and Engineering, 66(6-B), 3145.

## Abstracts • Conference Proceedings

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1. Bauer A, Hung J, Grossman M, & **Reilly J** (2015) Eye tracking reveals aberrant visual search during confrontation naming of Alzheimer's Disease and Primary Progressive Aphasia. *Frontiers in Psychology*, 6, DOI: 10.3389/conf.fpsyg.2015.65.00050
2. \*Troche J, Troche M, Berkowitz R, Grossman M & **Reilly J** (2010) Tone discrimination as a window into acoustic perceptual deficits in Parkinson's disease. *Procedia: Social and Behavioral Sciences*. 130-131.
3. \*Park H, Biun D, Martin N, & **Reilly J** (2010) Effects of semantic and phonological relatedness on word list recall: Semantic Dementia and Alzheimer's Disease. *Procedia: Social and Behavioral Sciences*.
4. **Reilly J**, Antonucci S, Peelle JE, & Grossman M (2010) Distinctiveness of anomia in Alzheimer's Disease and Semantic Dementia: A new wrinkle on the access-storage debate. *Procedia: Social and Behavioral Sciences*.
5. **Reilly J**, \*Rodriguez AD, \*McCabe M, \*Biun D, & Altmann L (2009) Sound symbolism as a window into crossmodal perception and language. *Journal of the International Neuropsychological Society*.
6. \*Rogalski Y, \*Biun D, & **Reilly J** (2009) Effects of contextual information on naming in older adults. *Journal of the International Neuropsychological Society*.
7. **Reilly J**, Peelle JE, & Grossman M (2007) A unitary semantics account of reverse concreteness effects in semantic dementia. *Brain and Language*, 103, 86-87.
8. Vesely L, Bonner M, **Reilly J**, & Grossman M (2007) Free association in semantic dementia: The importance of being abstract. *Brain & Language*, 103, 154-155.
9. Cross K, **Reilly J**, Work M, & Grossman M (2006) Visual-acoustic mapping in posterior cortical atrophy: A case study. *Brain & Language*, 99, 224-225.
10. Kwok S, **Reilly J**, & Grossman M (2006) Acoustic-phonetic processing in semantic dementia. *Brain & Language*, 99, 145-146.
11. Berkowitz R, **Reilly J**, & Grossman M (2006) Sensitivity to segmental stress in Parkinson's Disease. *Brain & Language*, 99, 220-221.
12. **Reilly J**, Grossman M, & McCawley G (2006) Concreteness effects in the lexical processing of semantic dementia. *Brain & Language*, 99, 218-219.
13. Troiani V, Ash S, **Reilly J**, & Grossman M (2006) Neural correlates of narrative discourse: An investigation using arterial spin labeling. *Brain & Language*, 99, 216-217.



## Abstracts • Conference Proceedings

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14. **Reilly J** (2005) Lexical decision reflects an interaction of word structure and meaning: Implications for aphasiology. *Brain & Language*, 95(1), 22-23
15. **Reilly J**, Ramey CH, & Milsark G (2004) Confounds in the distinction between high- and low-imageability words: Phonological, etymological, and morphological differences. *Brain & Language*, 91(1), 147-149.
16. **Reilly J**, Martin N, & Grossman M (2004) Effects of semantic impairment on repetition and verbal short-term memory: Evidence from semantic dementia. *Brain & Language*, 91(1), 140-141.

## Presentations

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1. **Reilly J** (Nov 23). My 20+ years of investigating progressive anomia with Murray Grossman. Invited talk at the Murray Grossman Memorial Symposium. University of Pennsylvania. Philadelphia PA USA
2. \*Sacks B, Fitzgerald L, \*Ulichney V, Helion C, & **Reilly J** (Nov 23). Affective alignment in conversational dyads across the lifespan: Tools and theory. Technical platform presentation; Aging, Speech Language Section. Annual Conference of the American Speech Language Hearing Association (ASHA). Boston MA USA
3. **Reilly J** (Oct 23). Alignment and semantic distance in natural language processing. Invited presentation at the University of Edinburgh, Edinburgh, Scotland.
4. **Reilly J** (Oct 23). Why is it so difficult to talk with an older person? Invited presentation at University College London, London UK.
5. Jobson KR, Hirsh-Pasek K, **Reilly J**, Olson I (Oct 23). The cerebellum and its contributions to the developing linguistic cerebrum. Poster presented at the Neurobiology of Language conference. Marseille, France.
6. Fitzgerald L, Pattullo L, Sacks B, & **Reilly J** (Oct 23). Cursing feedback control, attentional capture, and physiological arousal. A combined eyetracking and electrocardiography study. Poster presented at the Neurobiology of Language conference. Marseille, France.
7. **Reilly J** (Sep 23). Quantifying semantic and affective flow between and within speakers: Two new tools for integrating language and neuroscience research. Invited colloquium for the Department of Psychology, Princeton University. Princeton, NJ
8. **Reilly J** (Sept 23). Was Ellen DeGeneres hostile to Taylor Swift in 2013? Invited NLP/advanced statistical methods technical talk, Princeton University, Princeton, NJ.
9. **Reilly J** (Jul 23). Bigram semantic distance: Applications and theory. Invited talk, Memory and Meaning Laboratory. Glendon York University, Canada.
10. **Reilly J** (Mar 23). Arousal dysregulation in non-volitional cursing: A synthesis of theory and behavior in the wild. Invited colloquium at the University of North Carolina at Chapel Hill Department of Psychology. Raleigh-Durham, North Carolina.
11. **Reilly J** (Mar 23). An arousal-based feedback control model of uncontrolled cursing. Invited colloquium at Northeastern University. Boston, Massachusetts.
12. Litovsky C, Finley AM, \*Sayers M, \*Schoenhard J, Kenett Y, & **Reilly J** (Oct 22) The relationship of semantic flow to controlled retrieval deficits in the narrative production of people with aphasia. Oral platform presentation at the annual conference of the Academy of Aphasia, Philadelphia, Pennsylvania.
13. \*Pattullo L, \*Finley AM, Litovsky C, \*Kelly A, & **Reilly J** (Oct 22) Embodiment of cursing: the role of physiological arousal in natural language. Oral platform presentation at CoNSoLER (Cognitive Neuroscience of Language Embodiment and Relativity), Poznań, Poland.
14. Jobson K, **Reilly J**, & Olson I (Oct 22) Structural connectivity subserving language: The role of the cerebellum in language comprehension. Poster presented at the annual conference of the Society for the Neurobiology of Language. Philadelphia, PA.
15. **Reilly J** (Jun 22) Computing semantic distance in running narratives. Invited presentation to the language and semantics laboratories (Fernandino/Binder). Medical College of Wisconsin. Milwaukee, Wisconsin.



## Presentations

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16. **Reilly J** (Jun 22) Cursing in neurological disorders: An arousal-based feedback control model. Invited presentation at Neurology Grand Rounds. Medical College of Wisconsin. Milwaukee, Wisconsin.
17. **Reilly J** (Jun 22) Inter-word semantic distance applied to narrative language analysis. Invited presentation to the developmental language disorders research group at Boystown National Research Hospital. Omaha, Nebraska.
18. Litovsky C, \*Finley AM, Zuckerman B, \*Sayers M, \*Schoenhard J, Kenett Y, & **Reilly J** (Feb 22) Narrowing of semantic scope in narrative production in post-stroke aphasia. Poster presented at the International Neuropsychological Society. New Orleans, Louisiana.
19. \*Flurie M, \*Tassoni M, & **Reilly J** (Nov 21) Preservation of object, person, and place knowledge in Primary Progressive Aphasia. Poster presented at the annual conference of the American Speech-Language-Hearing Association (ASHA). Virtual conference.
20. **Reilly J** (Nov 21) Cursing in American English: Disorders, Brain, Feedback Control. Invited colloquium at Purdue University Speech-Language-Hearing Sciences.
21. \*Flurie M & **Reilly J** (Nov 21) Symbolic representation of abstract concepts using the N400 mismatch effect. Poster session presented at the Neurobiology of Language Conference (virtual conference).
22. **Reilly J** (Nov 20) The two mountains problem: Problems, solutions, and unanswered questions for cognitive pupillometry. Invited talk. Advancing Methods in Pupillometry (AMP2020) conference. Washington University in St. Louis (virtual conference).
23. \*Finley AM, **Reilly J**, Kelly A, Zuckerman B, & \*Flurie M (Nov 20) Use of olfactory language in a person without smell: A case study of total anosmia. Poster presented at the Neurobiology of Language Conference, virtual conference.
24. Zuckerman B, Kelly A, Flurie M, Finley AM, & **Reilly J** (Oct 20) Neuromodulation of the dorsolateral prefrontal cortex during cursing in American English. Poster presented at the Neurobiology of Language Conference, virtual conference.
25. \*Sayers M, Laval D, **Reilly J**, Martin N (Oct 20) Integrity of input verbal short-term memory ability predicts naming accuracy and error types. Poster presented at the Academy of Aphasia, virtual conference.
26. \*Ungrady, M, Giovannetti, T, **Reilly J** (Oct 20) Longitudinal investigation of accuracy during confrontation naming of objects and actions in semantic variant PPA. Poster presented at the Academy of Aphasia, virtual conference.
27. Kelly A, \*Flurie M, Zuckerman B, & **Reilly J** (May 20) Effects of individual differences in disgust sensitivity on responses to taboo speech. Poster presented at the annual conference of the Cognitive Neuroscience Society (CNS). Virtual Conference.
28. **Reilly J** (Apr 20) Cursing in aphasia and other neurological disorders: Synthesis and new directions. Invited presentation for C-Star Lecture Series, University of South Carolina. Columbia, SC.
29. **Reilly J** (Jan 20) The psycho- and neurolinguistics of cursing in American English. Invited colloquium for the Center for Language Science of the Pennsylvania State University. College Park, PA.
30. \*Ungrady M, \*Flurie M, & **Reilly J** (Feb 20) Eyetracking patterns of high and low frequency objects on the Boston Naming Test. Poster presented at the International Neuropsychological Society. Boston, MA.
31. \*Flurie M, \*Ungrady M, Mirman D, & **Reilly J** (Aug 19). Eye gaze as a predictor of visual confrontation naming impairment in progressive disorders of semantic memory. Poster presented at the annual conference of the Society for the Neurobiology of Language. Helsinki, Finland.
32. **Reilly J** (May 19) Language learning in dementia. Platform presentation at the annual aging symposium of the Fels Institute for Molecular Biology. Philadelphia, Pennsylvania USA.
33. **Reilly J** (Oct 18) An Introduction to cognitive pupillometry: Applications and measurement challenges. Invited colloquium, Cognitive Area. Lehigh University, Bethlehem, Pennsylvania USA.
34. \*Ungrady M, Kelly A, Grossman M, **Reilly J** (Feb 19) Specificity of the Montreal Cognitive Assessment (MoCA) in minority cognitive aging: A longitudinal investigation. Poster presented at the International Neuropsychological Society Conference. New York, New York, USA.





## Presentations

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35. \*Ungrady M, Kelly A, & **Reilly J** (4.18) Early detection of lexical-semantic impairment in minority cognitive aging. Poster presented at the Learning and Plasticity Conference. Äkäslompolo, Finland.
36. **Reilly J** (Mar 18) Psychophysics revisited: Measurement of the human task-evoked pupillary response function. Invited lecture; Department of Psychological and Brain Sciences. Washington University in St. Louis. St Louis, Missouri USA.
37. **Reilly J** (Mar 18). An Exploration of the sound and meaning of abstract and concrete English words. Invited colloquium; Program in Linguistics. Washington University in St. Louis. St. Louis, Missouri, USA.
38. Ungrady M, Hung J, Grossman M, & **Reilly J** (Feb 18) Predicting lexical dropout in progressive semantic anomia. Poster presented at the International Neuropsychological Society conference. Washington DC USA.
39. Kelly A, \*Dworetzky A, \*Felker H, \*Zuckerman B, \*Raghavendra M, \*Dawson J, \*Bastomski R, & **Reilly J** (Nov 17). Watch your mouth: A neuropsychological case study of evoked pupillary responses in aphasia with coprolalia. Poster presented at the Neurobiology of Language Conference. Baltimore, Maryland USA.
40. **Reilly J** (Jun 17) The ABCs of TBI: A Primer for the speech-language pathologist. Invited platform talk at the Communiversity Clinical Conference. Temple University. Philadelphia, Pennsylvania USA.
41. \*Garcia A, Porges E, Woods AJ, **Reilly J**, & Cohen R (Feb 17) Abstract and concrete processing in the aging brain. Poster presented at the International Neuropsychological Society. New Orleans, Louisiana.
42. \*Seligman S, Giovannetti T, Shipley T, Hulswit J, Divers R, **Reilly J** (Feb 17) Effects of age and task goal on naturalistic visual behaviors. Poster presented at the International Neuropsychological Society. New Orleans, Louisiana USA
43. **Reilly J** (Nov 16) Training and maintaining a lexicon in the face of neurodegeneration: Principles of item selection for formal semantic therapy. Invited platform session at the Academy of Neurological Communication Disorders and Sciences (ANCDs). Philadelphia, Pennsylvania.
44. Troche J & **Reilly J** (Nov 16) Eyetracking and pupillometry as a means to determine the validity of a multidimensional semantic space. Poster presented at the American Speech Language Hearing Association (ASHA). Philadelphia PA USA.<sup>1</sup>
45. \*Zuckerman B, Binney RJ, Ashaie S, & **Reilly J** (Aug 16) Cathodal tDCS of the bilateral anterior temporal lobe facilitates semantically driven word retrieval. Poster presented at the annual conference of the Society for the Neurobiology of Language. London UK.
46. **Reilly J** (May 16). Language intervention in primary progressive aphasia. Invited platform session at the annual caregiver conference of the University of Pennsylvania Frontotemporal Degeneration Center. Philadelphia, Pennsylvania USA.
47. **Reilly J** (Apr 16). Conceptual organization and the promotion of language maintenance in semantic variant primary progressive aphasia and Alzheimer's Disease: A practical primer. Invited colloquium at New York University. New York, New York USA
48. **Reilly J** (Apr 16) Pupillometry 101: The agony and the ecstasy of analyzing cognitively induced pupillary dilation dynamics within the human eye. Invited talk at Columbia University. New York, New York USA.
49. \*Hart J, \*Diedrichs V, & **Reilly J** (Apr 16) Luminance-based mental imagery and pupillometry as a novel mode of communication. Poster presented at the Temple University College of Public Health Research Day. Philadelphia, Pennsylvania USA.
50. **Reilly J** (Mar 16) Semantic binding and object representation: Insights from Alzheimer's Disease, tDCS, and fMRI. Invited colloquium jointly sponsored by the cognitive science and psychology programs. Lehigh University. Bethlehem, Pennsylvania USA.

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<sup>1</sup> Designated for meritorious poster award; 43 meritorious selections from a pool of >1900 presentations.



## Presentations

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51. \*Seligman SC, Giovannetti T, Hulswit J, Divers R, & **Reilly J** (Feb 16) Effects of goal and cognitive load on eye movements to everyday objects in healthy older adults. Poster presented at the International Neuropsychological Society annual conference. Boston, Massachusetts USA.
52. Hung J, Kelly A, & **Reilly J** (Oct 15) An eyetracking investigation of semantic access for action concepts: Effects of representational input modality and concurrent motor execution. Poster presented at the Neurobiology of Language Conference. Chicago, Illinois USA.
53. \*Ashaie S, Binney RJ, Zuckerman B, & **Reilly J** (Oct 15) A combined tDCS-eye tracking investigation of the neural correlates of confrontation naming: investigating the necessity of the anterior temporal lobe vs. the temporo-parietal junction. Poster presented at the Neurobiology of Language Conference. Chicago, Illinois USA.
54. Bauer A, Hung J, Grossman M, & **Reilly J** (Oct 15) Eyetracking reveals aberrant visual search during confrontation naming of Alzheimer's Disease and Primary Progressive Aphasia. Poster presented at the Academy of Aphasia, Tuscon, Arizona USA.
55. **Reilly J** (Feb 15) We've come unglued: Semantic memory, feature binding and (re)learning in the dementias. Invited seminar at the University of Kansas Department of Psychology. Lawrence, Kansas USA
56. Garcia A, Binney RJ, & **Reilly J** (Feb 15) Neural correlates of semantic processing across input modalities. Poster presented at the annual conference of the International Neuropsychological Society. Denver, Colorado USA.
57. **Reilly J** (Nov 14) Semantic access and language maintenance in the face of neurodegeneration: Evidence from fMRI and Alzheimer's Disease. Invited seminar at the Georgetown University Interdisciplinary Neuroscience Program. Washington, DC USA.
58. Crosson B, Levy I, Towler S, Benjamin M, McGregor K, **Reilly J** (Aug 14) Older adults fail to show activity increases for inhibition on the Hayling task. Poster presented at the Society for the Neurobiology of Language Conference. Amsterdam, Netherlands.
59. \*Garcia A, \*Hung J, & **Reilly J** (Aug 14) Effects of age of acquisition and familiarity on semantic memory. Poster presented at the Society for the Neurobiology of Language Conference. Amsterdam, Netherlands.
60. **Reilly J** (May 14) Deconstructing and reconstructing primary progressive aphasia. Platform presented at the annual conference of the Florida Association for Speech-Language Pathology (FLASHA). Orlando, Florida USA.
61. **Reilly J** (Apr 14) Concept representation and language maintenance in the face of neurodegeneration. Invited colloquium presented at the Graduate Center, City University of New York (CUNY). New York, New York USA.
62. \*Hung J, **Reilly J**, & Edmonds L (Feb 14) An eyetracking investigation of semantic associative among static actions and objects. Poster presented at annual conference of the International Neuropsychological Society, Seattle, Washington USA.
63. \*Towler S, \*Benjamin M, McGregor K, Harnish S, \*Garcia A, Zlata Z, **Reilly J**, Rosenbek JC, Gonzalez-Rothi LJ, Park H, Singletary F, Brooks C, Crosson B (Nov 13) Initiating word-finding trials with left-hand movement during anomia treatment remaps frontal language and executive mechanisms. Poster presented at the American Society of Neurorehabilitation. San Diego, California USA.
64. \*Troche J, \*Garcia A, \*Paris A, & **Reilly J** (Oct 13) Dissociating semantic process versus content in visual confrontation naming of semantic variant primary progressive aphasia. Poster presented at the Academy of Aphasia Conference. Lucerne, Switzerland.
65. **Reilly J** (Aug 13) Primary Progressive Aphasia. Dr. Lawrence Albert Memorial Lecture Series; Sponsored by the National Aphasia Association and the Association for Frontotemporal Degeneration. Online workshop.
66. **Reilly J** (Jan 13) Semantic memory and language processing: A state of the union address. Invited colloquium, Northwestern University Department of Communication Sciences & Disorders. Evanston, Illinois USA
67. Garcia A, \*Paris A, \*Troche J, \*Hung J, & **Reilly J** (Oct 12) Naming across modalities in patients with Semantic Dementia, Progressive Nonfluent Aphasia, and Alzheimer's Disease. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.



## Presentations

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68. \*Troche J, \*Paris A, Crutch S, & **Reilly J** (Oct 12) Hierarchical organization of abstract nouns: Implications for neurolinguistic theory. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.
  69. **Reilly J**, Harnish S, \*Park H, \*Paris A, Rodriguez AD, Bennett J, \*Garcia A, Edmonds L, Dickey M, & Crosson B (Oct 12) Anatomical correlates of manipulable and non-manipulable object name generation in aphasia: A voxel-based lesion symptom mapping study. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.
  70. \*Paris A, \*Woodruff K, \*Morrill S, & **Reilly J** (Oct 12) Temporal gradients in narrative production for early versus late acquired words across the lifespan. Poster presented at the Neurobiology of Language Conference. San Sebastian, Spain.
  71. **Reilly J**, Westbury C, Kean J, & Peelle JE (Oct 12) Word form as a moderator of semantic access for abstract and concrete nouns. Platform talk presented at the 8<sup>th</sup> Annual International Conference on the Mental Lexicon. Montreal, Canada.
  72. **Reilly J**, \*Troche J, \*Paris A, \*Hung J, & \*Garcia A (Sep 12) Looking for names in all the wrong places? An eyetracking analysis of visual confrontation naming in Alzheimer's Disease and Semantic Dementia. Poster presented at the 8<sup>th</sup> International Conference on Frontotemporal Dementias. Manchester, UK
  73. Crosson B, Towler S, Benjamin M, Trinastic J, Garcia A, Rodriguez A, Harnish S, Zlatar Z, **Reilly J**, Park H, Bennett J, & Rosenbek JC (Oct 11) A treatment designed to shift language-production activity to the right frontal lobe: fMRI findings. Poster presented at the Society for Neuroscience, Washington, DC USA
  74. **Reilly J**, \*Chalasan R, & Principe J (Jun 11) Self-organizing functional hierarchical memories with wake-sleep cycle consolidation. Paper presented at the Office of Naval Research (ONR) computational neuroscience, vision, and acoustics program review. Arlington, Virginia USA
  75. \*Rodriguez AD, **Reilly J**, & Altmann LJP (Feb 11) Effects of word meaning on concurrent verbal fluency and finger tapping: Further evidence for language-motor interaction. Poster presented at the 39<sup>th</sup> annual meeting of the International Neuropsychological Society. Boston, Massachusetts USA
  76. \*Rogalski Y, Altmann L, **Reilly J**, & Rosenbek JC (Feb 11) Levels of processing effects on text memory in older adults. Poster presented at the 39<sup>th</sup> Annual meeting of the International Neuropsychological Society. Boston, Massachusetts USA.
  77. Peelle JE, Troiani V, **Reilly J**, & Grossman M (Nov 10) Interpreting associative processing of nouns and verbs in the brain: Benefits of item analyses in fMRI. Poster presented at the Neurobiology of Language Conference (NLC). San Diego, California USA
  78. Troche J, Troche M, Berkowitz R, Grossman M, & **Reilly J** (Oct 10) Tone discrimination as a window into acoustic perceptual deficits in Parkinson's disease. Poster presented at the Academy of Aphasia. Athens, Greece.
  79. \*Park H, Biun D, Martin N, & **Reilly J** (Oct 10) Effects of semantic and phonological relatedness on word list recall: A Case study in Semantic Dementia and Alzheimer's Disease. Poster presented at the Academy of Aphasia. Turku, Finland.
  80. **Reilly J**, Antonucci S, Peelle JE, & Grossman M (Oct 10) Distinctiveness of anomia in Alzheimer's Disease and Semantic Dementia: A new wrinkle on the access-storage debate. Poster presented at the Academy of Aphasia. Turku, Finland.
  81. \*Troche J, Biun D, Finney G, Martin N, Heilman K, & **Reilly J** (May 10) A structured language intervention for a case of advanced semantic dementia. NIH/NIDCD fellowship poster presented at the Clinical Aphasiology Conference. Charleston, South Carolina USA
  82. \*Rogalski Y, Altmann LJP, Sherman L, **Reilly J**, & Rosenbek JC (May 10) Effects of two different studying techniques on immediate and delayed text recall in older adults. NIH/NIDCD fellowship poster presented at the Clinical Aphasiology Conference. Charleston, South Carolina USA
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## Presentations

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83. \*Park H, \*Rogalski Y, \*Rodriguez AD, \*Benjamin M, \*Zlatar Z, Rosenbek J, Crosson B, & **Reilly J** (May 10) Characterizing nonfluent speech in aphasia: variables that affect rater judgment. NIH/NIDCD fellowship poster presented at the Clinical Aphasiology Conference. Charleston, South Carolina USA.
84. \*Rogalski Y, \*Biun D, Altmann LJP, Gonzalez-Rothi, LJ, & **Reilly J** (Oct 09) Effects of surface detail and environmental context on lexical access in visual confrontation naming in aging. Platform session presented at the Academy of Aphasia. Boston, Massachusetts USA.
85. **Reilly J** (Sep 09) Semantic processing and disorders in aphasia and dementia: Cognitive, neural, and rehabilitative Models. Invited platform session presented at the Eleanor M. Saffran Annual Memorial Conference. Temple University, Philadelphia, Pennsylvania USA.
86. \*McCabe M, \*Biun D, & **Reilly J** (Aug 09) The color of music: Cross-modal perception in musicians. Platform session presented at the Society of Music Cognition Perception Conference (SMPC). Indianapolis, Indiana USA.
87. **Reilly J** (May 09) Cognition, communication, and clinical course of the dementias: An overview. Invited platform session presented at the annual meeting of the Florida Association of Speech Language Pathologists and Audiologists (FLASHA), Marcos Island, Florida USA.
88. **Reilly J**, \*Rodriguez A, \*McCabe M, \*Biun D, & Altmann L (Feb 09) Sound symbolism as a window into crossmodal perception and language. Paper presented at the annual meeting of the International Neuropsychological Society. Atlanta, Georgia.
89. \*Rogalski Y, \*Biun D, & **Reilly J** (February 2009) Effects of contextual information on naming in older adults. Poster presented at the annual meeting of the International Neuropsychological Society. Atlanta, Georgia USA.
90. **Reilly J** & Altmann LJP (Nov 08) Effects of semantic constraint on online sentence processing: An fMRI Investigation. Technical platform presentation at the annual conference of the American Speech-Language-Hearing Association, Chicago, Illinois USA.
91. **Reilly J**, \*McClung J, & \*Biun D (Nov 08) Color-Tone synaesthesia in healthy adults: Odd sensory integration or pre-semantic cognition hard at work? Poster presented at the annual conference of the American Speech-Language-Hearing Association, Chicago, Illinois USA.
92. **Reilly J**, Peelle JE, & Grossman M (Oct 08) A Paradoxical category-specific naming deficit for manufactured artifacts in progressive nonfluent aphasia. Poster presented at the annual conference of the Academy of Aphasia, Turku, Finland.
93. \*Kaskie T, \*Rogalski Y, \*Kabasakalian A, Altmann LJP, Neils-Strunjas J, Kendall D, & **Reilly J** (Oct 08) Lexical fluency characteristics of Alzheimer's disease, aphasia, and healthy adults. Poster presented at the Academy of Aphasia, Turku, Finland.
94. \*Biun D, Peelle JE, Grossman M, & **Reilly J** (Oct 08) Effects of sentence frame on thematic role assignment: An fMRI investigation. Poster presented at the Academy of Aphasia, Turku, Finland.
95. Martin N, Kohen FP, Kalinyak-Fliszar M, & **Reilly J** (Jun 08) A diagnostic battery to assess language and short-term memory deficits in aphasia. Paper presented at the 13<sup>th</sup> Annual International Aphasia Rehabilitation Conference, Ljubjana, Slovenia.
96. Peelle JE, **Reilly J**, Troiani V, & Grossman M (Apr 08) fMRI reveals interactions between phonology and semantics in auditory lexical processing. Poster presented at the Cognitive Neuroscience Society (CNS) Meeting. San Francisco, California.
97. **Reilly J** (Dec 07) Language processing in Alzheimer's disease and Frontotemporal dementia. Platform presentation at the annual meeting of the Florida Society of Neurology (FSN), Gainesville, Florida.
98. **Reilly J** (Oct 07) Concreteness effects in aphasia and neurodegenerative disease. Symposium presented at the Academy of Aphasia, Washington, D.C.
99. **Reilly J**, Peelle JE, & Grossman M (Oct 07) A unitary semantics account of reverse concreteness effects in semantic dementia. Paper presented at the Academy of Aphasia, Washington, D.C.





## Presentations

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100. Vesely L, Bonner M, **Reilly J**, & Grossman M (Oct 07) Free association in semantic dementia: The importance of being abstract. Poster presented at the Academy of Aphasia, Washington, D.C.
101. **Reilly J** (Oct 07) An Introduction to language and memory in Semantic Dementia. Invited presentation. Stroke of Hope Conference. West Palm Beach, Florida.
102. Peelle JE, **Reilly J**, Anderson C, Moore P, Cross K, Kwok S, Vesely L, & Grossman M (Apr 07) Naming in progressive nonfluent aphasia and semantic dementia: Knowledge and processing impairments lead to distinct naming errors. Paper presented at the American Academy of Neurology. Boston, MA
103. **Reilly J** (Nov 06) An introduction to language and memory in semantic dementia. Invited colloquium presented at New York University. New York, NY.
104. **Reilly J**, Grossman M, & McCawley G (Oct 06) Concreteness effects in the lexical processing of semantic dementia. Poster presented at the Academy of Aphasia. Victoria, British Columbia CA.
105. Kwok S, **Reilly J**, & Grossman M (Oct 06) Acoustic-phonetic processing in semantic dementia. Platform presentation at the Academy of Aphasia. Victoria, British Columbia CA.
106. Cross K, **Reilly J**, & Grossman M (Oct 06) Visual-acoustic mapping in posterior cortical atrophy: A case study. Poster presented at the Academy of Aphasia. Victoria, British Columbia, Canada.
107. Berkowitz R, **Reilly J**, & Grossman M (Oct 06) Sensitivity to segmental stress patterns in Parkinson's Disease. Poster presented at the Academy of Aphasia. Victoria, British Columbia, Canada.
108. **Reilly J**, Troiani V, & Grossman M (Sep 06) Paradoxical acoustic perception in semantic dementia: A case study. Poster presented at the 5<sup>th</sup> Annual International Conference on Frontotemporal Dementia. San Francisco, CA.
109. **Reilly J**, Troiani V, & Grossman M (Feb 06) Serial recall and word learning in semantic dementia: A Model of cognitive-linguistic loss. Poster presented at the International Neuropsychological Society. Boston, MA
110. **Reilly J** & Grossman M (May 06) Toward the development of a cognitive-linguistic model of semantic dementia: Evidence from lexical processing. Poster presented at the Clinical Aphasiology Conference (CAC), Ghent, Belgium
111. Kohen F, Martin N, Kalinyak-Flizar M, & **Reilly J** (May 06) The effect of short-term memory on measures of semantic knowledge. Poster presented at the Clinical Aphasiology Conference (CAC), Ghent, Belgium.
112. \*Alvarez K & **Reilly J** (Nov 05) Semantic judgments of nonwords: Evidence for phonetic symbolism? Poster presented at the annual meeting of the American Speech-Language-Hearing Association. San Diego, CA
113. **Reilly J** (Oct 05) Lexical decision reflects an interaction of word structure and meaning: Implications for aphasiology. Poster presented at the Academy of Aphasia. Amsterdam, Netherlands.
114. **Reilly J**, Martin N, & Grossman M (Oct 04) Effects of semantic impairment on verbal short-term memory: Evidence from semantic dementia. Paper presented at the Academy of Aphasia. Chicago, Illinois.
115. Ramey CH, **Reilly J**, & Milsark G (Oct 2004) Confounds in the distinction between high and low imageability words: Phonological, etymological, and morphological differences. Poster presented at the annual conference of the Academy of Aphasia. Chicago, Illinois.
116. **Reilly J**, Martin N, & Grossman M (May 04) Verbal learning in semantic dementia: Is repeated exposure a useful strategy? Platform presentation at the Clinical Aphasiology Conference (CAC). Park City, Utah.
117. **Reilly J** & Donaher JG (Nov 03) Digit and letter span performance of children who stutter. Poster presented at the annual meeting of the American Speech-Language-Hearing Association. Chicago, Illinois.

## Advanced Coursework

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| ○ fMRI Design and Analysis Workshop<br>Neurometrika (Instructor: Tom Zeffiro, M.D., Ph.D.)                              | 2017 |
| ○ Bayesian Statistics for Cognitive Science<br>University of Amsterdam. Amsterdam, Netherlands                          | 2013 |
| ○ Workshop for New Clinician Investigators: Strategies for Success (invited K-awardee)<br>NIH/NIDCD. Bethesda, Maryland | 2011 |



## Advanced Coursework

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| ○ APA Advanced Institute in Functional Magnetic Resonance Imaging<br>Harvard University/MGH. Boston, Massachusetts | 2006 |
| ○ Statistical Parametric Mapping (SPM) for fMRI<br>University College London. London, UK                           | 2006 |
| ○ John Merck Institute on the Biology of Developmental Disabilities<br>Princeton University. Princeton, New Jersey | 2003 |

## Editorial Service • Review Boards

<i>Journal of Neuropsychology</i>	Associate Editor	2022-
<i>Cortex</i>	Special Issue Editor	2024
<i>Aphasiology</i>	Editorial Board	2024-
<i>Cognitive Science</i>	Editorial Board	2022-
<i>Neuropsychologia</i>	Editorial Board	2021-
<i>Neuropsychological Rehabilitation</i>	Editorial Board	2020-22
<i>Frontiers in Theoretical and Philosophical Psychology</i>	Guest Associate Editor	2020-21
<i>Frontiers in Psychology: Language Sciences</i>	Review Editor	2020-21
<i>Frontiers in Neurology: Stroke</i>	Review Editor	2018-21
<i>Journal of the International Neuropsychological Society</i>	Editorial Board	2011-13
<i>American Journal of Speech-Language Pathology (AJSLP)</i>	Guest Action Editor	2012-14
<i>Aphasiology</i>	Special Issue Editor	2011
<i>Seminars in Speech and Language</i>	Special Issue Editor	2007

## Journal Reviewing (ad hoc)

<i>Journal of Communication Disorders</i>	<i>Neuropsychologia</i>
<i>Logopedics, Phoniatrics, and Vocology</i>	<i>Neuropsychology</i>
<i>J. Exp. Psych. Learning, Memory, &amp; Cognition</i>	<i>Cortex</i>
<i>Journal of the International Neuropsychological Society</i>	<i>Aphasiology</i>
<i>Alzheimer Disease and Associated Disorders</i>	<i>Journal of Neurolinguistics</i>
<i>Journal of Speech, Language, and Hearing Research</i>	<i>Seminars in Speech and Language</i>
<i>American Journal of Speech-Language Pathology</i>	<i>Cognitive &amp; Behavioral Neurology</i>
<i>Lingua</i>	<i>PLoS One</i>
<i>Brain &amp; Language</i>	<i>Language &amp; Speech</i>
<i>Psychology &amp; Aging</i>	<i>Cerebral Cortex</i>
<i>Cognitive, Affective, &amp; Behavioral Neuroscience</i>	<i>Journal of the Royal Society: Interface</i>
<i>Cognitive Science</i>	<i>Frontiers in Human Neuroscience</i>
<i>Neuropsychological Rehabilitation</i>	<i>Neurocase</i>
<i>Acta Medico-Historica Adriatica</i>	<i>Aging, Neuropsychology, &amp; Cognition</i>
<i>Neurobiology of Learning &amp; Memory</i>	<i>Cognitive Neuropsychology</i>
<i>Human Brain Mapping</i>	<i>Psychonomic Bulletin &amp; Review</i>
<i>Journal of Clinical &amp; Experimental Neuropsychology</i>	<i>Journal of Alzheimer's Disease</i>
<i>Memory</i>	<i>Acta Psychologica</i>
<i>Clinical Psychological Science</i>	<i>Journal of Psycholinguistic Research</i>
<i>Journal of Experimental Psychology: General</i>	<i>Psychological Research</i>
<i>Language and Communication Disorders</i>	<i>Brain Structure and Function</i>
<i>Annals of Neurology</i>	<i>Neuroimage</i>



## Journal Reviewing (ad hoc)

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<i>Frontiers in Language Sciences</i>	<i>Cognition</i>
<i>Frontiers in Psychiatry: Neuroimaging &amp; Stimulation</i>	<i>Neuron</i>
<i>Language &amp; Communication</i>	<i>Current Directions in Psychological Science</i>
<i>Philosophical Transactions of the Royal Society: B</i>	<i>Attention, Perception, &amp; Psychophysics</i>
<i>Artificial Intelligence</i>	<i>Brain Topography</i>
<i>Current Biology</i>	<i>Journal of Language and Social Psychology</i>
<i>Neurobiology of Language</i>	<i>Journal of Nonverbal Behavior</i>
<i>Experimental Gerontology</i>	<i>Neuroscience &amp; Biobehavioral Reviews</i>
<i>Neuroimage: Clinical</i>	<i>Journal of Geriatric Psychiatry &amp; Neurology</i>
<i>Consciousness &amp; Cognition</i>	<i>Cognitive Linguistics</i>
<i>eNeuro</i>	<i>eLife</i>
<i>Neuroscience &amp; Biobehavioral Reviews</i>	<i>PeerJ</i>
<i>Cognition and Emotion</i>	<i>Nature</i>
<i>European Journal of Neuroscience</i>	<i>Journal of Vision</i>
<i>Language Learning</i>	<i>Acta Psychologica</i>
<i>Trends in Cognitive Science</i>	<i>Proceedings of the National Academy of Sciences of the USA (PNAS)</i>

## Conference Program Committees

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Society for the Neurobiology of Language: Program Committee	2020
ASHA: Acquired Neurogenic Cognitive Disorders Program Committee	2019, 20
Academy of Aphasia: Local Arrangements Committee	2020
Eleanor M. Saffran Memorial Conference	2014-present
Cognitive Neuroscience of Language Relativity and Embodiment (Consoler)	2022
Society for the Neurobiology of Language Abstract Reviewer	2009, 16-17, 20, 23
Clinical Aphasiology Conference	2010, 14

## Grant Review Panels

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Language and Communication (LCOM) NIH (ad hoc)	2023
National Science Foundation (NSF/US) Linguistics Panel	2023
NIH/NINDS 2023/10 ZNS1 SRB-W (18) (StrokeNet)	2023
NIH/NIDCD ZDC1 SRB-X (65) (F31/F32/K Fellowships)	2023
Irish National Research Council Laureate Awards	2023
NIH/NIA AG1 ZIJ-D(O1): Bilingualism in Alzheimer's Disease	2022
NIH Language and Communication (LCOM): Standing Member 4-year Term	2017-21
NIH/NIA ZRG1 BDCN-F (55) R (Clinical Neuroscience in Alzheimer's Disease)	2021
Alzheimer's Association of the United Kingdom	2021
Alzheimer's Association of France	2020
National Science Foundation (NSF/US): Cognitive Neuroscience Panel	2019
National Science Foundation (NSF/US): Cognition, Action, & Perception Panel	2019
Natural Sciences and Engineering Research Council of Canada (NSERC)	2018
NIH Biobehavioral and Behavioral Processes	2016
NIH Language and Communication (LCOM)	2016
NIH Language and Communication (LCOM)	2016
Government of Spain/Spanish Secretariat of State for Research	2015



## Grant Review Panels

NIH/NIDCD ZDC1 SRB R-36 (F31/F32/K Fellowships)	2015
NIH/NIDCD ZDC1 SRB-Y 60 (F31/F32/K Fellowships)	2015
NIH/NIDCD ZDC1 SRB-K 15 (F31/F32/K Fellowships)	2014
NIH/NIDCD ZDC1 SRB-K 14 (F31/F32/K Fellowships)	2014
NIH/NIDCD ZDC1 SRB-K 11 (F31/F32/K Fellowships)	2014
NIH/NIDCD ZDC1 SRB-R 36 (F31/F32/K Fellowships)	2013
NIH/NIDCD ZDC1 SRB-R 41 (F31/F32/K Fellowships)	2013
NIH/NIDCD ZDC1 SRB-R 40 (F31/F32/K Fellowships)	2013
NIH/NIDCD ZDC1 SRB-L 45 (F31/F32/K Fellowships)	2012
American Speech, Language & Hearing Association/Foundation (ASHA)	2012
Dunhill Medical Trust (UK)	2012
NIH/NIGMS ZGM1 TWD (SC) (Score/Minority)	2012
NIH/NIDCD ZDC1 SRB-L (50) (R03)	2012
NIH/NIGMS ZGM1 MBRS-8 (SC) (Score/Minority)	2011
Alzheimer's Association	2009-12
Czech Science Foundation (Czech Republic)	2010

## Additional Reviewing

Cambridge University Press	Book reviewer	2020
Cengage Press	Book reviewer	2017
Oxford University Press	Book reviewer	2016
Academy of Aphasia	Program committee	2012-14
Alachua County Public Elementary School System	Science fair judge	2009-12
Thieme Publishers, Inc.	Book reviewer	2010
Professional Development Resources, Inc.	Course peer reviewer	2010
Psychology Press: Taylor and Francis Publishers	Book reviewer	2009,16

## Teaching

* Introduction to Text Mining using R	2020
Foundations of Human Neuroscience	2019-present
* Neurocognitive Language Disorders	2014-
Introduction to Biostatistics	2017
* Traumatic Brain Injury and Right Hemisphere Brain Disorders	2015-18
Language and Brain	2015
* Aging, Mild Cognitive Impairment, and Dementia	2014-18
Neurolinguistics & Neurotrauma: Design and Disorders	2014
* Training in Neuroimaging	2009
* Neurocognitive Language Disorders	2008-14
Scientific Thinking & Design	2003
General Psychology	2001-02
Research Methods in Psychology	2003
Cognitive Psychology	2004
* Quantitative Research Methods	2004





## Doctoral Thesis Committees

* Max Flurie	Symbolic representation in aphasia	2018-22
* Jinyi Hung	Semantic access for actions vs objects	2010-15
* Joshua Troche	Clustering of abstract-concrete words	2009-15
* James Mancinelli	Effects of self-disclosure on fluency in stuttering	2015-16
* Amy Rodriguez	Embodied cognition, gesture, actions	2007-10
Elizabeth Horwath	Episodic memory encoding	2021-
Molly Tassoni	Naturalistic action in dementia	2021-
Katie Jobson	Language and the cerebellum	2021-
Alexandra Kelly (Drexel U)	Emotion and abstract word representation	2021-
Rachel Mis	Naturalistic action impairments in aging	2019-23
Jonathan Marchetto	Head trauma and pupillary/ocular function	2020-
Mackenzie Fama (Georgetown)	Inner speech in aphasia	2017-18
Stacy Rimikis (NYU)	Taxonomic vs. thematic systems in aphasia	2017-18
Felicidad Garcia (Columbia U)	EEG Bilingualism	2015-17
Laura McCarthy	Treatment for abstract word reading deficits	2014-17
Sameer Ashaie	tDCS anterior temporal lobe and semantics	2014-16
Daniel Furnas (Columbia U.)	Verb networks in aphasia	2014-16
Sarah Seligman	Naturalistic action processing & eyetracking	2015-16
Lauren Cycyk	Bilingual language development	2015-16
Amanda Garcia	Functional connectivity in cognitive aging	2012-16
Hyejin Park	Verb-noun thematic relations using eyetracking	2010-14
Jessica Collins	Face and name recognition: neural substrates	2014
Matthew Cohen	Akinesia paradoxa in Parkinson's Disease	2009-13
Meagan Farrell	Syllable frequency effects in word processing	2009-12
Matthew McCabe	Crossmodal perception and chromaesthesia	2008-10
Yvonne Rogalski	Depth of encoding and memory for narratives	2008-10
Ilana Levy	Inhibitory control and the basal ganglia	2008-11
Mindy Grall	Expression of pain in dementia	2008-10

## Master's Thesis Committees

* Lucia Pattullo	Cursing, arousal, and emotion dysregulation	2021-23
* Helen Felker	Bilingual semantic memory representation	2016-
* Victoria Diedrichs	Effects of mental imagery on pupillary responses	2014-15
* Victoria Rodriguez	Adjective ordering effects in visual search	2014-
Kimberley Gicquel	Locked in syndrome (University of Konstanz, Germany)	2020
Catherine Mason	Emotion processing in aphasia (U. Macquarie, Australia)	2019
Carmen Perez-Leahy	Relations between anxiety and verbal fluency	2016-
Jacqueline Toscano	Bilingual language processing and narrative discourse	2016-17
Elizabeth Brophy	Verb network treatment (Vnest) in aphasia	2016
Nicolette Kovacs	Treatment of childhood apraxia of speech	2016-
Mackenzie Welsh	Treatment of childhood apraxia of speech	2016-
Ozkan Kilic	Machine learning of semantic representations	2014-15
Amanda Garcia	Functional connectivity and language in aging	2011-13
Stacey Herlofsky	Semantic and thematic role priming	2010-11
Sara Mizrahi	Thematic role and verb priming	2008-09
Michelle Babb	Semantic verb mapping therapy for aphasia	2008-09



## Undergraduate Theses

Sophia Norvilas	Pittsburgh	Thematic semantic processing in aphasia	2022
Nikki Fackler	Temple	Individual differences in cursing	2021
Lydia Zacharczuk	Pittsburgh	Action and object processing in aging	2014
Thomas Kaskie	Florida	Encyclopedic knowledge and categorization	2008-10
Kali Woodruff-Carr	Florida	Musical expertise, & auditory segmentation	2009-12
Sachit Mishra	Florida	Semantic keyword extraction and machine learning	2013-14

## Doctoral Thesis Reader/Examiner

Connor Spieth	University of Oslo (Norway)	Visual perception and pupillometry	2022-
Ingeborg Ribu	University of Oslo (Norway)	Language in Alzheimer's Disease	2019-20
David Sidhu	University of Calgary (Canada)	Sound symbolism	2019
Mackenzie Fama	Georgetown University (USA)	Inner speech in aphasia	2017-18
Lenka Zdražilová	University of Calgary (Canada)	Abstract word representation	2016
Kaoutar Skiker	University of Tangier (Morocco)	Semantic network connectivity	2016
Kieran Flanagan	University of Queensland (Australia)	Semantic feature processing in Alzheimer's Disease	2014

## Student Honors

Lucia Pattullo	ANCDs Student Conference Fellowship, New Orleans LA	2022
Nikki Fackler	Diamond Scholar award for summer research	2020
Max Flurie	Summer Grant 2019, Temple University Graduate School	2019
Alexandra Kelly	Stanford University 2016 Summer Cognitive Science Institute	2016
Amanda Garcia	Travel fellowship: Neurobiology of Language, Amsterdam, Netherlands	2014
Hyejin Park	NIH/NIDCD fellowship Clinical Aphasiology Conference; Charleston, SC	2010
Joshua Troche	NIH/NIDCD fellowship Clinical Aphasiology Conference; Charleston, SC	2010
Yvonne Rogalski	NIH/NIDCD fellowship Clinical Aphasiology Conference; Charleston, SC	2010
Amy Rodriguez	ASHA New Century Scholars Doctoral Research Grant (\$11,000)	2009
Amy Rodriguez	Dean's Scholarship; UF College of Public Health and Health Professions	2009
Thomas Kaskie	University of Florida University Scholars Honors Thesis	2009
Sachit Mishra	University of Florida University Scholars Honors Thesis	2014

## Early Career Research Mentorship

○ Fulbright Award Sponsored Application (ECR Scientist to USA) Mentee: Dr. Ana Scoric, Assistant Professor, University of Zagreb, CROATIA	Pending
○ ASHF Minority Student Fellowship (Faculty Mentor) Mentee: Dewitt Fortenberry BA, Speech-Language-Hearing, Temple University	2023
○ F31 NRSA Predoctoral Fellowship (faculty co-mentor) Mentee: Katie Jobson, MS, Department of Psychology, Temple University	2023-
○ F31 NRSA Predoctoral Fellowship (faculty co-mentor) Mentee: Rachel Mis MS, Department of Psychology, Temple University	2021-23
○ NIH K23 Patient-oriented research career development award (faculty mentor) Mentee: Rebecca Alper PhD, Assistant Professor, University of Wisconsin	2020-24
○ ASHA research mentoring travel award 2018 Mentee: Paul Fillmore PhD, Assistant Professor, Baylor University	2018
○ ASHA Pathways to Independence Program Mentee: Stacey Rimikis MA, New York University	2018



## Early Career Research Mentorship

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- ASHA Advancing Academic Research Careers (AARC) Award Program 2017-19  
Mentee: Rebecca Alper PhD, Assistant Professor, Temple University

## Administration

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- Temple University College of Public Health Tenure and Promotion Committee 2023
- Chair, Temple University Tenure & Promotion Committee (UTPAC B): Engineering & Sciences 2023
- Temple University Tenure & Promotion Committee (UTPAC B): Engineering & Sciences 2020-22
- Temple University Sabbatical and Grant-in-Aid Committee 2019-21
- Faculty search committee chair for Graduate Program Director: Temple CSD 2018
- Faculty search committee chair for American Sign Language: Temple CSD 2018
- University-wide Sabbatical & Grant-in-Aid Committee 2018-21
- Chair, Nominations awards committee, Temple CPH 2018-19
- Interim PhD Program Director, Communication Sciences & Disorders 2016-17
- Public Health Curriculum Development Committee: Temple University CPH 2014-15
- Chair, Search committee (x5) TT Asst./Assoc. Professor, CSD, Temple University 2014-17
- Search Committee, Associate Dean for Research 2014
- Chair, Summer Public Health Workgroup, College of Public Health 2014
- Faculty judge, Temple University, College of Public Health Research Day 2014
- University of Florida, University-wide Information Technology Committee 2013
- University of Florida Faculty Senate (elected representative) 2011-13
- Chair, Faculty Council of the UF College of Public Health & Health Professions (elected) 2011
- Chair Elect, Faculty Council UF College of Public Health & Health Professions (elected) 2010
- Faculty Council of the UF College of Public Health & Health Professions (elected) 2009
- University of Florida Student Science Training Program Pre-Collegiate Laboratory Host 2010, 12
- Graduate admissions committee, UF Speech, Language, & Hearing Sciences 2010-11
- Program excellence committee, UF Speech, Language, & Hearing Sciences 2009-11

## Clinical • Professional Experience

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- Speech-Language Pathologist: Shands Hospital at the University of Florida 2007-13
- Speech-Language Pathologist: Mercy Fitzgerald Hospital 2001-07
- Instructor of English as a Second Language (ESL), ECC Sisa Yong-o-Sa, Seoul, South Korea 1995-96
- Linguistic coding and Tagging, Treebank Project, University of Pennsylvania 1993-95

## Consulting • Public Speaking

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- Medical College of Wisconsin: Pre-Submission Grant Reviewer 2024
- Northern Speech Services: National Rehabilitation Services Seminar Lecturer 2010, 11, 14

## Research Support Completed

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- National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) (supplement) 2019-21  
**Pupillometry as a physiological biomarker for preclinical dementia in minority aging**  
This project will investigate dynamics of the human pupillary response to light and cognitive load as a sensitive predictor of preclinical dementia in minority cognitive aging.  
Role: Principal Investigator; Total approximate costs (direct & indirect): \$388,000





## Research Support Completed

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<p>Temple University Office of the Vice President for Research (OVPR) &amp; State of Pennsylvania  <b>Modulating Individual Differences in Reward Sensitivity with tDCS</b>          This project evaluated the capacity for targeted transcranial direct current stimulation of ventrolateral prefrontal cortex to modulate reward sensitivity in aging. Role: Co-Investigator (PI was David Smith, PhD); Total Costs (direct only): \$10,000</p>	2018-19
<p>Temple University Office of the Vice President for Research (OVPR) &amp; State of Pennsylvania  <b>Transcranial Direct Current Stimulation (tDCS) as an adjuvant to language treatment and neurorehabilitation in aging and dementia</b>          This project is investigating the effectiveness of pairing non-invasive brain stimulation with a naming treatment for frontotemporal degeneration and advanced aging. Role: PI; Direct: \$50,000</p>	2018-19
<p>National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) R01 DC013063  <b>Semantic memory and language learning in Alzheimer's Disease and Semantic Dementia</b>          We investigated effectiveness of a language therapy for Alzheimer's Disease and Frontotemporal Dementia involving training a finite vocabulary of 100 words during early-stage dementia and gauging maintenance and functional benefits as disease severity worsens. We correlated neural and behavioral markers of treatment effectiveness and investigating the nature of the semantic impairment associated with these patient populations using eyetracking and structural magnetic resonance imaging, Role: PI; Total approximate costs (direct &amp; indirect): \$2,500,000</p>	2014-19
<p>Veterans Administration Sensory Systems &amp; Communicative Disorders: Merit Award  <b>Dosage and predictors of naming treatment response in aphasia</b>          This project examined neural and behavioral correlates of response to a semantically oriented naming treatment in post stroke aphasia. Role: Co-Principal Investigator (Dickey PI)</p>	2013-17
<p>Temple University College of Public Health Seed Grant  <b>Unlocking human consciousness and communication via reflexive pupillary dilation dynamics</b>          This project investigated a novel method of bridging a reflexive dilation/constriction within the human eye to imagined light (e.g., imagine a dark cave) as a mode of communication for disordered consciousness (e.g., unresponsive wakefulness syndrome) and total locked-in syndrome. Role: PI; Total costs (direct only) \$19,500</p>	2015-16
<p>National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD), K23 DC010193  <b>Structure of semantic memory and its measurement in dementia and aphasia</b>          This career development award dovetailed training and research. The training plan allowed me to gain aptitude in neuroimaging, eyetracking, and scale development. I employed these techniques to derive empirical support for a neurologically constrained model of human semantic memory organization. I tested predictions of this model in Alzheimer's Disease and semantic variant primary progressive aphasia. Role: PI; Total direct and indirect costs: \$861,000</p>	2009-14
<p>National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD)  <b>Clinical Loan Repayment Program (NIH/LRP), Competitive Renewal(s) x 2</b>          This extramural program offered federal student loan repayment for promising clinical research scientists based on the candidate's research, mentorship, and training plans.          Role: PI; Total: \$60,000</p>	2008-13
<p>Office of Naval Research (ONR): Neuroscience Division #N000141010375  <b>Self-Organizing functional hierarchical memories with wake-sleep cycle consolidation</b>          We investigated a computational network model of episodic memory consolidation, conducting mathematical simulations of the model and constraining its predictions to the human brain.          Role: Co-I (PI: Jose Principe, PhD); Total direct and indirect costs: \$495,000</p>	2010-12





## Research Support Completed

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National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) R01 DC001924 2007-10

### Lexical retrieval, short-term memory, and learning

We investigated the role of short-term/working memory in word processing and learning in cortical aphasia and frontotemporal dementia (semantic dementia). Role: Co-I (PI: Nadine Martin, PhD); Total direct and indirect costs: \$240,000

National Institute on Deafness and Other Communicative Disorders (NIH/NIDCD) R01 DC007387 2009-10

### Treatment of intention in aphasia: Neural substrates

This project investigated the efficacy of an intention treatment in aphasia. My laboratory assisted with lesion symptom mapping and characterization of fluency in nonfluent aphasia. Role: Co-Investigator (PI: Bruce Crosson, PhD); Total direct costs: \$1000

National Institute on Aging (NIH/NIA) NRSA T32/AG00255

This postdoctoral research fellowship grant was awarded to support my mentored research program in cognitive neuroscience at the University of Pennsylvania; Direct costs: \$74,544, PI: Virginia Lee, PhD

2005-07

## Press

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1. Weintraub, K (Feb, 2024). Campaign trail gaffes by Trump and Biden put a spotlight on their ages. Should voters worry? *USA Today*. Print and online [<link here>](#)
2. Neuroskeptik (Mar 2020). Building the perfect profanity. *Discover Magazine*. Article online: [<link here>](#)
3. Myers, B (Mar 2020). Perfecting the profane: Finding the recipe to the best bad words. Featured blog post from the Psychonomic Society. Article online: [<link here>](#)
4. Zalot, M (Jan 2020). Study of curse words could help traumatic brain injury patients. *The Temple News*. Article online: [<link here>](#)
5. Steinberg, D (Jan 2020). Understanding what makes a swear effective could lead to advances in treating brain injury. Temple University College of Public Health News. Article online: [<link here>](#)
6. Ryan M & Randolph H (May, 2017). Improving dementia treatment – with electricity. Temple University College of Public Health News. Article online: [<link here>](#)
7. Zimmer B (Feb 2017). A new breakthrough in the history of the “S---gibbon”: The Insult’s originator steps forward. *Slate*. Article online: [<link here>](#)
8. Hong H (Sept 2016). Memories and their meanings. *The Temple News*. Article online: [<link here>](#)
9. Love J (Sept 2014). English vs. English. On the concrete and the abstract, the Germanic and the Latinate. *The American Scholar*. Article online: [<link here>](#)