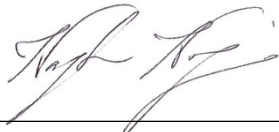


CURRICULUM VITAE

The Johns Hopkins University School of Medicine



NAZBANOU NOZARI

11/7/2018

DEMOGRAPHIC AND PERSONAL INFORMATION

Personal Data

U.S. permanent resident

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Current Appointments

2018-present Associate Professor, Department of Neurology, School of Medicine, Johns Hopkins University

2014-present Joint appointment, Department of Cognitive Science, Krieger School of Arts and Sciences, Johns Hopkins University

2014-2018 Assistant Professor, Department of Neurology, School of Medicine, Johns Hopkins University

Education and Training

Post-doctoral

2011-13 Fellowship in Cognitive Neuroscience, University of Pennsylvania, Philadelphia, PA (Advisor: Sharon Thompson-Schill)

2011-12 Fellowship in Cognitive Neuropsychology, Moss Rehabilitation Research Institute, Elkins Park, PA (Advisor: Myrna Schwartz)

Doctoral/graduate

2011 Ph.D., Cognitive Psychology, University of Illinois at Urbana-Champaign, Champaign, IL (Advisor: Gary Dell)

2009 M.A., Cognitive Psychology, University of Illinois at Urbana-Champaign, Champaign, IL

2005 M.D. Tehran University of Medical Sciences, Tehran, Iran (Includes 1 year of clinical internship).

Professional Experience

2014-present Assistant Professor, Department of Neurology, Johns Hopkins University School of Medicine

2014-present Joint appointment at the Department of Cognitive Science, Krieger School of Arts and Sciences, Johns Hopkins University

2010-11 Teaching Assistant, University of Illinois at Urbana-Champaign

2006-10 Research Assistant, University of Illinois at Urbana-Champaign

2005-2006 Research Assistant, Roozbeh Psychiatric hospital, Tehran University of Medical Sciences

2005-2006 Collaborative Research Assistant, Kings College London, executing the 10/66 international dementia screening project in Iran

2004-2005 Medical Intern (rotations in several hospitals)

PUBLICATIONS

Peer-reviewed Original Research (*Journal articles + 6-page CogSci proceedings; mentees are underlined*).

1. Freund, M. & **Nozari, N.** (2018). Is adaptive control in language production mediated by learning? *Cognition*, 176, 107–130. doi:10.1016/j.cognition.2018.03.009
2. Pinet, S. & **Nozari, N.** (2018). “Twisting fingers”: the case for interactivity in typed language production. *Psychonomic Bulletin & Review*, 25, 1449–1457. doi: 10.3758/s13423-018-1452
3. Breining, B., **Nozari, N.** & Rapp, B. (2018). Learning in complex, multi-component cognitive systems: Different learning challenges within the same system. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. (online July, 2018). doi: 10.1037/xlm0000630
4. **Nozari, N.** & Hepner, C. (2018). To select or to wait? The importance of criterion setting in debates of competitive lexical selection. *Cognitive Neuropsychology*. [online June, 2018; featured content: commentaries are under review]. doi: 10.1080/02643294.2018.1476335
5. Hepner, C., Pinet, S. & **Nozari, N.** (2018). An enhanced model of gemination in spelling: Evidence from a large corpus of typing errors. In C. Kalish, M. Rau, J. Zhu, & T. Rogers (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 489-494).. Austin, TX: Cognitive Science Society.
6. Hepner, C. & **Nozari, N.** (2018). A resource model of phonological working memory. In C. Kalish, M. Rau, J. Zhu, & T. Rogers (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 495-500). Austin, TX: Cognitive Science Society.
7. **Nozari, N.** & Omaki, A. (2018). Syntactic production is not independent of inhibitory control: Evidence from agreement attraction errors. In C. Kalish, M. Rau, J. Zhu, & T. Rogers (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 824-829). Austin, TX: Cognitive Science Society.
8. Arnold, J. & **Nozari, N.** (2017). The effects of utterance timing and stimulation of left prefrontal cortex on the production of referential expressions. *Cognition*, 160, 127–144. doi: 10.1016/j.cognition.2016.12.008
9. Akhavan, N., **Nozari, N.**, & Goksun, T. (2017). Expression of motion events in Farsi. *Language, Cognition and Neuroscience*, 32(6), 792-804. doi: 10.1080/23273798.2016.1276607
10. **Nozari, N.** & Faroqi-Shah, Y. (2017). Investigating the origin of nonfluency in aphasia: A path modeling approach to neuropsychology. *Cortex*, 95, 119-135. doi: 10.1016/j.cortex.2017.08.003
11. Akhavan, N., Goksun, T. & **Nozari, N.** (2017). Integrity and function of gestures in aphasia *Aphasiology*. doi: 10.1080/02687038.2017.1396573.
12. Trude, A., & **Nozari, N.** (2017). Inhibitory control supports referential context use in language production and comprehension. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society Society* (pp. 1218-1223). Austin, TX: Cognitive Science Society.
13. **Nozari, N.**, Trueswell, J., & Thompson-Schill, S.L. (2016). The interplay of local attraction, context and domain-general cognitive control in activation and suppression of semantic distractors during sentence comprehension. *Psychonomic Bulletin & Review*, 23(6), 1942-1953. doi: 10.3758/s13423-016-1068-8
14. Breining, B., **Nozari, N.**, & Rapp, B. (2016). Does segmental overlap help or hurt? Evidence from blocked cyclic naming in spoken and written production. *Psychonomic Bulletin & Review*, 23, 500-506. doi: 10.3758/s13423-015-0900-x
15. **Nozari, N.**, Mirman, D., & Thompson-Schill, S.L. (2016). The ventrolateral prefrontal cortex facilitates processing of sentential context to locate referents *Brain & Language*, 157, 1-13. doi: 10.1016/j.bandl.2016.04.006
16. **Nozari, N.**, Freund, M., Breining, B., Rapp, B., & Gordon, B. (2016). Cognitive control during selection and repair in word production. *Language, Cognition & Neuroscience*, 31 (7), 886-903. doi: 10.1080/23273798.2016.1157194
17. Hanley, R.J., Cortis, C., Budd, M.J., & **Nozari, N.** (2016). Did I say dog or cat? A study of semantic error detection and correction in children. *Journal of Experimental Child Psychology*, 142, 36-47. doi: 10.1016/j.jecp.2015.09.008

18. Akhavan, N., Goksun, T., & **Nozari, N.** (2016). Disfluency production in speech and gesture. In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society* (pp. 716-721). Austin, TX: Cognitive Science Society.
19. **Nozari, N.**, & Mirman, D. (2016). Using determiners as contextual cues in sentence comprehension: A comparison between younger and older adults. In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society* (pp. 1193-1198). Austin, TX: Cognitive Science Society.
20. Freund, M., Gordon, B., & **Nozari, N.** (2016). Conflict-based regulation of control in language production. In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society* (pp. 1625-1630). Austin, TX: Cognitive Science Society.
21. **Nozari, N.**, Goksun, T., Thompson-Schill, S.L., & Chatterjee, A. (2015). Phonological similarity affects production of gestures, even in the absence of speech. *Frontiers in Psychology*, 6 (1347). doi: 10.3389/fpsyg.2015.01347
22. **Nozari, N.**, Dell, G.S., Schneck, K., & Gordon, B. (2015). Implementation of selective attention in sequential word production. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1745-1750). Austin, TX: Cognitive Science Society.
23. Akhavan, N., **Nozari, N.**, & Goksun, T. (2015). Motion event expressions in language and gesture: Evidence from Persian. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 60-65). Austin, TX: Cognitive Science Society.
24. **Nozari, N.**, Arnold, J. E., & Thompson-Schill, S. L. (2014). The Effects of Anodal Stimulation of the Left Prefrontal Cortex on Sentence Production. *Brain stimulation*, 7(6), 784-792. doi: 10.1016/j.brs.2014.07.035
25. **Nozari, N.**, Woodard, K., & Thompson-Schill, S. L. (2014). Consequences of cathodal stimulation for behavior: when does it help and when does it hurt performance? *PloS one*, 9(1), 1-15. doi: 10.1371/journal.pone.0084338
26. **Nozari, N.**, & Thompson-Schill, S.L. (2013). More attention when speaking: does it help or does it hurt? Evidence from tDCS. *Neuropsychologia*, 51(13), 2770-2780. doi: 10.1016/j.neuropsychologia.2013.08.019
27. **Nozari, N.**, & Dell, G.S. (2013). How damaged brains repeat words: A computational approach. *Brain & Language*, 126(3), 327-337. doi: 10.1016/j.bandl.2013.07.005
28. Dell, G. S., Schwartz, M. F., **Nozari, N.**, Faseyitan, O., & Branch Coslett, H. (2013). Voxel-based lesion-parameter mapping: Identifying the neural correlates of a computational model of word production. *Cognition*, 128(3), 380-396. doi: 10.1016/j.cognition.2013.05.007
29. **Nozari, N.**, & Dell, G. S. (2012). Feature migration in time: Reflection of selective attention on speech errors. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 38(4), 1084-1090. doi: 10.1037/a0026933
30. Budd, M. J., Hanley, & J.R., **Nozari, N.** (2012). Evidence for a non-lexical influence on children's auditory repetition of familiar words. *Journal of Psycholinguistic Research*, 41(4), 253-266. doi: 10.1007/s10936-011-9189-8
31. **Nozari, N.**, Dell, G.S., Schwartz, M.F. (2011). Is comprehension the basis for error detection? A conflict-based theory of error detection in speech production. *Cognitive Psychology*, 63(1), 1-33. doi: 10.1016/j.cogpsych.2011.05.001
32. **Nozari, N.** & Dell, G.S. (2011). Selective attention and speech errors: feature migration in time. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1370-1375). Austin, TX: Cognitive Science Society.

33. **Nozari, N.**, Kittredge, A.K., Dell, G.S., Schwartz, M.F. (2010). Naming and repetition in aphasia: Steps, routes, and frequency effects. *Journal of memory and Language*, 63, 541-559. doi: 10.1016/j.jml.2010.08.001
34. **Nozari, N.**, Ferri, C.P., Farin, F., Noroozian, M., Salehi, M., Seyedian, M., & Prince, M. (2009). Validation of the 10/66 Dementia Research Group's 10/66 Dementia diagnosis in Iran. *International Psychogeriatrics*, 21(3), 604-605. doi: 10.1017/S104161020900845X
35. **Nozari, N.**, & Dell, G.S., (2009). More on lexical bias: how efficient can a “lexical editor” be? *Journal of Memory and Language*, 60, 291-307. doi: 10.1016/j.jml.2008.09.006

Review Articles and Book Chapters

1. **Nozari, N.** (in press). How special is language production? Perspectives from monitoring and control. In K. Federmeier and D. Watson (Eds.), *Psychology of Learning and Motivation: Current Topics in Language* (Vol. 68). Cambridge, MA: Academic Press.
2. **Nozari, N.** & Novick, J. (2017). Monitoring and control in language production. *Current Directions in Psychological Science*, 26(5), 403–410. doi:10.1177/09637214177024
3. **Nozari, N.**, & Thompson-Schill, S. L. (2016). Left ventrolateral prefrontal cortex in processing of words and sentences. In G. Hickok & S. L. Small (Eds.), *Neurobiology of Language* (pp. 569–584). San Diego, CA: Academic Press. doi: 10.1016/B978-0-12-407794-2.00046-8
4. Dell, G. S., **Nozari, N.**, & Oppenheim, G. M. (2014). Lexical access: Behavioral and computational considerations. In V. Ferreira, M. Goldrick, & M. Miozzo (Eds.), *The Oxford Handbook of Language Production* (pp. 88-104). Oxford: Oxford University Press.
5. Behzadi, A., **Nozari, N.**, & Ekhtiari, H. (2006). Reasoning, Induction and Language; Literature Review and the Practical Methods of Assessment. *Iranian Journal of Cognitive Science*, 4, 24-29. [article in Persian]

Non-peer Reviewed Conference Proceedings (Excludes abstracts for conferences without published proceedings, and peer-reviewed CogSci papers).

1. Hepner, C. & **Nozari, N.** (in press). The dual origin of lexical perseverations in aphasia: Residual activation and incremental learning. Conference abstract: 56th Annual Meeting of the Academy of Aphasia. *Frontiers in Psychology*.
2. Pinet, S. & **Nozari, N.** (in press). The footprint of semantic and phonological interference in picture naming in aphasia: Preliminary evidence from ERP. Conference abstract: 56th Annual Meeting of the Academy of Aphasia. *Frontiers in Psychology*.
3. Freund, M., Rapp, B., & **Nozari, N.** (2017). Does semantic relatedness help or hurt re-learning of object names in aphasia? Conference abstract: 55th Annual Meeting of the Academy of Aphasia. *Frontiers in Psychology*. doi: 10.3389/conf.fnhum.2017.223.00063
4. **Nozari, N.** (2017). The dual origin of semantic errors in access deficits: activation deficit vs. inhibition deficit. Conference abstract: 55th Annual Meeting of the Academy of Aphasia. *Frontiers in Psychology*. doi: 10.3389/conf.fnhum.2017.223.00100
5. Hepner, C. & **Nozari, N.** (2017). A resource model of phonological working memory in language production and perception. Conference abstract: 55th Annual Meeting of the Academy of Aphasia. *Frontiers in Psychology*. doi: 10.3389/conf.fnhum.2017.223.00087
6. **Nozari, N.** & Faroqi-Shah, Y. (2016). How should we approach the study of fluency? A corpus analysis. *Frontiers in Psychology*. Conference Abstract: 54th Annual Academy of Aphasia Meeting. doi: 10.3389/conf.fpsyg.2016.68.00038
7. Akhavan, N., Goksun, T., Kazemi, R. & **Nozari, N.** (2016). Integrity and function of gestures in aphasia. *Frontiers in Psychology*. Conference Abstract: 54th Annual Academy of Aphasia Meeting. doi:

- 10.3389/conf.fpsyg.2016.68.00039
8. **Trude, A., & Nozari, N.** (2016). Cognitive costs of perspective-taking in an individual with nonfluent aphasia. *Frontiers in Psychology*. Conference Abstract: 54th Annual Academy of Aphasia Meeting. doi: 10.3389/conf.fpsyg.2016.68.00032
 9. **Nozari, N.** (2014). Using Transcranial Direct Current Stimulation (tDCS) to study and treat aphasia. *Frontiers in Psychology*. Conference Abstract: 52nd Annual Academy of Aphasia Meeting Annual Meeting. doi:10.3389/conf.fpsyg.2014.64.00008.
 10. **Nozari, N.** (2014). Using Transcranial tDCS to test cognitive hypotheses. *Frontiers in Psychology*. Conference Abstract: 52nd Annual Academy of Aphasia Meeting Annual Meeting. doi:10.3389/conf.fpsyg.2014.64.00009
 11. **Nozari, N., Mirman, D., & Thompson-Schill, S.L.** (2014). The role of the left ventrolateral prefrontal cortex in online sentence processing. *Frontiers in Psychology*. Conference Abstract: 52nd Annual Academy of Aphasia Meeting Annual Meeting. doi: 10.3389/conf.fpsyg.2014.64.00012
 12. **Middleton, E., Schwartz, M.F., Graziano, K., Brown, D., & Nozari, N.** (2014) A Paradigm for Investigating Executive Control Mechanisms in Word Retrieval in Language-Impaired and Neurotypical Speakers. *Frontiers in Psychology*. Conference Abstract: 52nd Annual Academy of Aphasia Meeting Annual Meeting. doi:10.3389/conf.fpsyg.2014.64.00066
 13. **Schwartz, M.F., Middleton, E., Nozari, N., Brecher, A., Gagliardi, M., & Garvey, K.** (2014). Learning from your mistakes: The functional value of spontaneous error monitoring in aphasia. *Frontiers in Psychology*. Conference Abstract: 52nd Annual Academy of Aphasia Meeting Annual Meeting. doi:10.3389/conf.fpsyg.2014.64.00070
 14. **Nozari, N., Woodard, K., & Thompson-Schill, S.** (2013). Cathodal Transcranial Direct Current Stimulation: Facilitatory, inhibitory, or both? *Journal of cognitive neuroscience*, (pp. 174-174). MIT Press, Cambridge, MA.
 15. **Nozari, N., & Schwartz, M.** (2012). Fluency of Speech Depends on Executive Abilities: Evidence for Two Levels of Conflict in Speech Production. *Procedia-Social and Behavioral Sciences*, 61, 183-184.
 16. **Nozari, N., Dell, G., & Schwartz, M.** (2012). Who Are the Lexical-routers? An Investigation into the Nature of Word Repetition in Aphasia. *Procedia - Social and Behavioral Sciences*, 61, 104-105.

RECOGNITION

Awards, Honors

- 2018 Lab selected by the American Psychological Association to be featured in their flagship publication, *Monitor on Psychology*.
- 2016 Selected for the Emerging Women Leadership Program, sponsored by the Office of Women in Science and Medicine, Johns Hopkins University.
- 2013 American Psychological Association's New Investigator Award.
- 2012 Robert J. Glushko Award for best dissertation in Cognitive Science.
- 2010 Outstanding teacher, as ranked by the undergraduate students at University of Illinois at Urbana-Champaign, Lab in Cognitive Psychology.
- 2009 Academy of Aphasia's best student presentation award, Boston, MA.
- 2005 Travel grant for the 2nd Conference on Brain and Behavior, Thessaloniki, Greece. \$500 (declined).
- 2004 Outstanding Chief Intern Award, Children Medical Center, Tehran, Iran.

Media Releases or Interviews

1. Featured in the American Psychological Association's magazine: *Monitor on Psychology*. Print version: March 2018, Vol 49, No. 3, p. 60. Online version: <http://www.apa.org/monitor/2018/03/secrets.aspx>
2. C-Star (Center for the Study of Aphasia Recovery) lecture series (February, 2018): <https://www.youtube.com/watch?v=hbZR8rUjd4s&t=348s>

3. “How does the brain process speech errors?” (June, 2012). Published interview in Mehr Newspaper, 12:44, 1627651. [Article in Persian].

Invited Talks

Regional & National

- 4/17/2018 Invited speaker, “Inhibitory control in language production: from single word production to discourse”, Cognitive Science Colloquium series, Northwestern University, Evanston, IL.
- 2/22/2018 Invited speaker, “The origins of nonfluency in aphasia”, Satellite lecture for the Center for the Study of Aphasia Recovery (C-STAR), main center located at the University of South Carolina.
- 12/4/2017 Invited speaker, “Monitoring and control of language production”, Cognitive Science Colloquium, Center for Cognitive Science at the University at Buffalo, Buffalo, NY
- 4/18/2017 Invited speaker, “Throwing out the baby and keeping the bathwater: Freud’s major contribution to cognitive science of language”, HEAD Talk series, Department of Neurology, Johns Hopkins University, Baltimore, MD.
- 4/2/2016 **Keynote speaker**, “How do we talk? Understanding a system by looking at its errors”, in “Monkeys to Infants to Humans. The first Omega Psi Conference for Undergraduates in Cognitive Science”, Baltimore, MD
- 10/28/2015 Invited speaker, “Cognitive control in word production”, Language colloquium, University of Maryland at College Park, College Park, MD
- 4/21/2014 Invited speaker, “Pathways for Auditory Word Repetition: Convergence of Computational Models and Lesion Findings”, Clinical Neuroscience Conference Series, Johns Hopkins Hospital, Baltimore, MD
- 10/17/2013 Invited speaker, “Speaking with attention: Does it help or does it hurt?”, Language Processing Brown Bag, Beckman Institute of Sciences, University of Illinois at Urbana-Champaign, Champaign, IL
- 9/30/2013 Invited speaker, “A new theory of monitoring in language production”, The Brown Bag colloquium series, Department of Psychology, University of Delaware, Newark, DE
- 3/29/2013 Invited speaker, “Producing and monitoring speech: a collaboration between two cognitive systems”, The ADVANCE colloquium, Department of Psychology, Lehigh University, Bethlehem, PA
- 5/16/2013 Invited speaker, “Prefrontal cortex and language: tDCS as a teacher and a helper”, Department of Neurology, Johns Hopkins, Baltimore, MD
- 2/18/2013 Invited speaker, “Producing, monitoring and correcting speech: A collaborative effort between two systems”, Department of Psychology, University of Connecticut, Storrs, CT
- 2/12/2013 Invited speaker, “A new theory of error detection in adults, children and aphasic patients”, colloquium, Department of Communication Sciences and Disorders, New York University, New York, NY
- 1/23/2013 Invited speaker, “On selective attention and taming in”, School of Education, Johns Hopkins University, Baltimore, MD
- 1/22/2013 Invited speaker, “Monitoring conflict: A domain-general principle of implicit metacognition”, Cognitive Science colloquium, Department of Cognitive Science, Johns Hopkins University, Baltimore, MD
- 12/19/2012 Invited speaker, “Are speech fluency and executive abilities linked?”, colloquium, Albert Einstein Hospital, Elkins Park, PA.
- 12/13/2012 Invited speaker, “What can domain-general buy us? At least a better theory of speech monitoring”. Invited talk, December 13, 2012, Department of Brain and Cognitive Sciences, University of Rochester, Rochester, NY
- 12/6/2012 Invited speaker, “Producing, monitoring and correcting speech: A collaborative effort between two systems”, colloquium, Temple University, Philadelphia, PA
- 3/12/2009 Invited speaker, “A computational case-series approach to investigating the architecture of the lexical access system”, colloquium, Moss Rehabilitation Institute, Philadelphia, PA

International

- 7/4/2018 **Keynote speaker**, “Monitoring and control in language production”, 10th International Workshop on Language Production (IWOLP), The Max Planck Institute of Psycholinguistics, Nijmegen, Netherlands.
- 9/12/2017 Invited speaker, “Inhibitory control in Language Production: From single word production to discourse”, The Donders Institute for Brain, Cognition and Behavior, Nijmegen, Netherlands.
- 9/6/2017 Invited speaker, “Production-based monitoring”, “Self-monitoring in speech production” symposium organized by Robert Hartsuiker, and Andreas Lind, 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.
- 5/1/2017 **Keynote speaker**, “How do we monitor and regulate our speech?”, 7th biennial International Conference of Cognitive Science in Tehran, Iran (declined due to uncertainty regarding the travel ban imposed on 6 countries including Iran).
- 9/3/2016 **Keynote speaker**, “Regulation and control of the language production system”, 22nd Annual Meeting of Architectures and Mechanisms for Language Processing (AMLaP), Basque Center on Cognition, Brain and Language (BCBL), Bilbao, Spain.

Posters and Oral/Podium Presentations (*Does not include invited talks or keynotes*)

- 11/2018 **Nozari, N.**, & Omaki, A. Syntactic production is not independent of inhibitory control: evidence from agreement attraction errors in a referential communication task. Oral presentation at the 59th Psychonomic Society Annual Meeting. New Orleans, LA.
- 11/2018 Hepner, C. & **Nozari, N.** A resource model of phonological working memory. Poster presentation at the 59th Psychonomic Society Annual Meeting. New Orleans, LA.
- 11/2018 Pinet, S. & **Nozari, N.** Can you fix what you can’t see? The role of visual feedback in detecting and correcting typing errors. Poster presentation at the 59th Psychonomic Society Annual Meeting. New Orleans, LA.
- 10/2018 Hepner, C. & **Nozari, N.** The dual origin of lexical perseverations in aphasia: Residual activation and incremental learning. Oral presentation at the 56th Annual Meeting of the Academy of Aphasia. Montreal, Canada.
- 10/2018 Pinet, S. & **Nozari, N.** The footprint of semantic and phonological interference in picture naming in aphasia: Preliminary evidence from ERP. Poster presentation at the 56th Annual Meeting of the Academy of Aphasia. Montreal, Canada.
- 8/2018 Pinet, S., **Nozari, N.**, Knight, R., & Ries, S. Overcoming the challenges of electrophysiology recordings during multi-word speech production. Poster presentation at the 10th Annual Meeting of the Society for the Neurobiology of Language. Québec city, Canada.
- 7/2018 **Nozari, N.** & Omaki, A. Syntactic production is not independent of inhibitory control: Evidence from agreement attraction errors. Oral presentation at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI
- 7/2018 Hepner, C., Pinet, S., & **Nozari, N.** An enhanced model of gemination in spelling: Evidence from a large corpus of typing errors. Oral presentation at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI
- 7/2018 Hepner, C. & **Nozari, N.** A resource model of phonological working memory. Oral presentation at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI
- 11/2017 Freund, M., Rapp, B., & **Nozari, N.** Does semantic relatedness help or hurt re-learning of object names in aphasia? Poster presentation at the 55th Annual Meeting of the Academy of Aphasia. Baltimore, MD
- 11/2017 **Nozari, N.** The dual origin of semantic errors in access deficits: activation deficit vs. inhibition deficit. Oral presentation at the 55th Annual Meeting of the Academy of Aphasia. Baltimore, MD
- 11/2017 Hepner, C. & **Nozari, N.** A resource model of phonological working memory in language production and perception. Poster presentation at the 55th Annual Meeting of the Academy of Aphasia, Baltimore, MD
- 11/2017 Pinet, S. & **Nozari, N.** Electrophysiological correlates of internal performance monitoring in typed language production. Poster presentation at the 9th Annual Meeting of the Society for the Neurobiology of Language. Baltimore, MD
- 9/2017 Hepner, C. & **Nozari, N.** A resource model of phonological working memory. Poster presentation at the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany

- 9/2017 Hanley, R. & **Nozari, N.** Is working memory involved in monitoring self and other people's speech? Oral presentation at the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany
- 9/2017 **Nozari, N.** Production-based monitoring and control. Oral presentation at the Monitoring symposium in the 20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany
- 7/2017 Trude, A. & **Nozari, N.** Inhibitory control supports referential context use in language production and comprehension. Oral presentation at the 39th Annual Meeting of the Cognitive Science Society, London, UK
- 3/2017 **Nozari, N.**, Omaki, A., Sahl, J., & Ovans, Z. Attentional resource allocation in children's subject-verb agreement production. Poster presentation at the 30th Annual CUNY conference. Cambridge, MA
- 11/2016 Freund, M. & **Nozari, N.** Online regulation of language production. Oral presentation at the 57th Annual Meeting of the Psychonomic Society. Boston, MA
- 10/2016 **Nozari, N.** & Faroqi-Shah, Y. How should we approach the study of fluency? A corpus analysis. Oral presentation at the 54th Annual Meeting of the Academy of Aphasia, Llandudno, Wales
- 10/2016 Akhavan, N., Goksun, T. & **Nozari, N.** Integrity and function of gestures in aphasia. Poster presentation at the 54th Annual Meeting of the Academy of Aphasia, Llandudno, Wales
- 10/2016 Trude, A. & **Nozari, N.** Cognitive costs of perspective-taking in an individual with nonfluent aphasia. Poster presentation at the 54th Annual Meeting of the Academy of Aphasia, Llandudno, Wales
- 9/2016 **Nozari, N.**, Martin, C. & McCloskey, N. An adjustable-resource model of cognitive control in sentence production: insights from English and Spanish. Poster presentation at the 22nd Annual Meeting of the Architectures and Mechanisms for Language Processing (AMLaP), Bilbao, Spain
- 8/2016 Akhavan, N., Goksun, T. & **Nozari, N.** Disfluency production in speech and gesture. Poster presentation at the 39th Annual Meeting of the Cognitive Science Society, Philadelphia, PA
- 8/2016 Freund, M., Gordon, B. & **Nozari, N.** Conflict-based regulation of control in language production. Oral presentation at the 39th Annual Meeting of the Cognitive Science Society, Philadelphia, PA
- 7/2016 **Nozari, N.**, Martin, C., McCloskey, N. & Gordon, B. An adjustable-resource model of cognitive control in sentence production. Poster presentation at the 9th International Workshop on Language Production (IWLP), La Jolla, CA
- 7/2016 Trude, A., Gordon, B. & **Nozari, N.** Recruitment of cognitive resources during perspective-taking varies with contextual demands. Poster presentation at the 9th International Workshop on Language Production (IWLP), La Jolla, CA
- 7/2016 Freund, M. & **Nozari, N.** Conflict-based regulation of control in language production. Poster presentation at the 9th International Workshop on Language Production (IWLP), La Jolla, CA
- 6/2016 Freund, M., Gordon, B., & **Nozari, N.** Regulation of language production by conflict-driven, domain-specific control. Poster presentation at the 28th Annual Meeting of the American Psychological Society (APS), Chicago, IL
- 11/2015 **Nozari, N.**, Freund, M., Breining, B., Rapp, B., & Gordon, B. Two types of cognitive control in word production. Poster presentation at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL
- 7/2015 Akhavan, N., **Nozari, N.**, & Goksun, T. Motion event expressions in language and gesture: Evidence from Persian. Poster presentation at the 37th Annual Conference of the Cognitive Science Society, Pasadena, CA
- 7/2015 **Nozari, N.**, Dell, G.S., Schneck, K., & Gordon, B. Implementation of selective attention in sequential word production. (2015, July). Oral presentation at the 37th Annual Conference of the Cognitive Science Society, Pasadena, CA
- 11/2014 Arnold, J.E., **Nozari, N.**, & Thompson-Schill, S.L. Stimulation of the prefrontal cortex increases discourse connectedness and reduced references. Poster presentation at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA
- 11/2014 **Nozari, N.**, Trueswell, J.C., & Thompson-Schill, S.L. Local attraction in sentence comprehension is reined in by global constraints and executive abilities, Poster presentation at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA
- 10/2014 **Nozari, N.** Using Transcranial tDCS to test cognitive hypotheses. In **N. Nozari** (Chair), Using Transcranial Direct Current Stimulation (tDCS) to study and treat aphasia. Symposium presented at the 52nd Annual Meeting of the Academy of Aphasia, Miami, FL

- 10/2014 **Nozari, N.**, Mirman, D., & Thompson-Schill, S.L. The role of the left ventrolateral prefrontal cortex in online sentence processing. Oral presentation at the 52nd Annual Meeting of the Academy of Aphasia, Miami, FL
- 10/2014 Middleton, E.L., Schwartz, M.F., Graziano, K., Brown, D., & **Nozari, N.** Learning from your mistakes: The functional value of spontaneous error monitoring in aphasia. Poster presentation at the 52nd Annual Meeting of the Academy of Aphasia, Miami, FL
- 10/2014 Schwartz, M.F., Middleton, E.L., **Nozari, N.**, Brecher, A., Gagliardi, M., Garvey, K. A Paradigm for Investigating Executive Control Mechanisms in Word Retrieval in Language-Impaired and Neurotypical Speakers. Poster presentation at the 52nd Annual Meeting of the Academy of Aphasia, Miami, FL
- 8/2014 Arnold, J.E., **Nozari, N.**, & Thompson-Schill, S.L. Stimulation of Left Prefrontal Cortex Increases Discourse Connectedness and Reduced References. Oral presentation at RefNet workshop on psychological and computational models of reference comprehension and production, Edinburgh, UK
- 4/2013 **Nozari, N.** Woodard, K., Thompson-Schill, S.L. Cathodal tDCS: excitatory, inhibitory, or both? Poster presentation at the 20th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA
- 11/2012 **Nozari, N.** & Thompson-Schill, S.L. What can you expect from boosting prefrontal cortex? Poster presentation at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN
- 10/2012 **Nozari, N.** & Dell, G.S. Who are the lexical-routers? An investigation into the nature of word repetition in aphasia. Poster presentation at the 50th Annual Meeting of the Academy of Aphasia, San Francisco, CA
- 10/2012 **Nozari, N.**, Schwartz, M.F. & Coslett, H.B. Fluency of speech depends on executive abilities: evidence for two levels of conflict in speech production. Poster presentation at the 50th Annual Meeting of the Academy of Aphasia, San Francisco, CA
- 7/2012 **Nozari, N.** & Schwartz, M.F. Does fluency of speech depend on executive abilities? Poster presentation at the 7th International Workshop on Language Production, New York, NY
- 3/2012 **Nozari, N.**, Arnold, J.E., & Thompson-Schill, S.L. What does the left prefrontal cortex do for sentence production? Evidence from tDCS. Poster presentation at the 26th Annual CUNY Conference, Columbia, SC
- 7/2011 **Nozari, N.** & Dell, G.S. Selective attention and speech errors: feature migration in time.” Oral presentation at the 33rd Annual Meeting of the Cognitive Science Society, Boston, MA
- 12/2010 **Nozari, N.** A new model of monitoring in speech production. Oral presentation at the Outstanding Graduate Student Seminar, Beckman Institute of Sciences, Urbana, IL
- 10/2010 **Nozari, N.** & Dell, G.S. Does error detection require comprehension? Oral presentation at the Cognitive Brown Bag Series, University of Illinois, Urbana, IL
- 10/2009 **Nozari, N.**, Kittredge, A.K., & Dell, G.S. A computational case-series approach to frequency effect in aphasic word repetition. Oral presentation at 47th Annual Meeting of the Academy of Aphasia, Boston, MA
- 9/2009 **Nozari, N.**, Kittredge, A.K., & Dell, G.S. Parallel case-series analysis of aphasic word production. Poster presentation at the Beckman Institute Seminar. Beckman Institute of Sciences, Urbana, IL
- 3/2009 **Nozari, N.**, Kittredge, A.K., & Dell, G.S. A computational case-series approach to frequency effect in aphasic word repetition. Poster presentation at the 16th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA
- 11/2008 **Nozari, N.** 30 years of lexical bias war: time to call a truce. Oral presentation at the Language Processing Brown Bag Series, Beckman Institute of Sciences, Urbana, IL
- 11/2007 **Nozari, N.**, & Dell, G.S. Lexical bias in speech production: how efficient can a lexical editor be? Poster presentation at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA
- 8/2007 **Nozari, N.** & Dell, G.S. Monitoring or feedback? Evidence from the lexical bias effect. Oral presentation at the Cognitive Brown Bag Series, University of Illinois, Urbana, IL
- 4/2005 **Nozari, N.** & Daryaei, P. Effects of a major social stressor (war) on the patterns of tumor extension in breast cancer patients. Poster presentation at the 29th Annual Symposium of the American Society of Breast Disease, Las Vegas, NV

FUNDING

Current

- 09/15/2016–09/15/2019 Executive control in sentence production
Identification Number: 001910777
National Science Foundation (NSF)
\$577,408
Role: PI
- 07/01/2016–07/01/2018 Investigation of the effect of contextual semantic similarity on word learning
(1-year no cost extension granted) The Science of Learning Initiative, Johns Hopkins University
\$146,793
Role: PI

Completed

- 03/01/2016–03/01/2019 Contributions of executive control abilities to perspective-taking in aphasia
(PI left on 06/30/2017 for A job) 1F32DC015390-01
NIH/NIDCD
\$174,090
PI: Alison Trude (postdoc)
Role: Faculty mentor
- 07/01/2014–07/01/2016 Deep Multi-view Learning for Acoustic-to-Articulatory-Inversion
The Science of Learning Initiative, Johns Hopkins University
\$110,000
PI: Raman Arora
Role: Co-PI
- 09/01/2011–09/01/2013 Task Switching: a window to executive deficits in aphasia
State of PA Health Research Formula Grant
\$52,000
PI: Myrna Schwartz
Role: Co-PI

RESEARCH ACTIVITIES

Research Focus

My research focuses on understanding the cognitive and neural architecture of the language production system. This encompasses production through speaking, writing, typing and manual gesturing. I am especially interested in the processes that monitor and regulate language production. Traditionally, such processes have been viewed as existing outside of the production system. Findings from my research suggest that, on the contrary, the monitor uses information primarily generated from within the production system. Similarly, control is implemented by making long-term changes to representations and processes in the production system itself. This does not mean that other systems, such as the comprehension system, are not involved in monitoring and regulating language production; rather that the production system is dynamically involved in monitoring and regulating itself, as opposed to being passively monitored and controlled from the outside.

This claim has direct implications for understanding language disorders, such as post-stroke aphasia, as well as for devising the optimal methods for language rehabilitation. Similarly, the findings of this research are highly relevant to the challenges involved in learning a new language, and to uncovering the best educational practices to overcome those.

Research Methods

Our interdisciplinary focus does not end with theoretical integration of multiple fields, but also extends to the integration of several methodologies. My lab has a successful track record of combining behavioral testing, neuropsychological testing, computational modeling, eye-tracking, quantitative lesion analysis, brain stimulation,

and most recently EEG testing. Similarly, we draw on several populations (neurotypical young adults, neurotypical older adults, typically-developing children, and individuals with post-stroke brain damage) to test complementary hypotheses about the development, functioning and plasticity of the language production system. Finally, I have a keen interest in methods of statistical analysis, and have frequently employed analysis techniques such as Multi-Level Modeling (MLM) with mixed effects, Growth Curve Analysis (GCA), and Structural Equation Modeling (SEM) to analyze behavioral and eye-tracking data.

EDUCATIONAL ACTIVITIES

Educational Focus

I am passionate about teaching best research practices in the field of cognitive psychology and cognitive neuroscience to undergraduate, graduate and post-graduate scholars. My special emphasis is on interdisciplinary research, bridging the gap between my two fields of expertise (language processing and executive control), as well as translational research (applying cognitive principles to educational and treatment settings). This is why, despite the fact that I do not have teaching obligations in my current position, I have committed to developing and teaching two new courses at Johns Hopkins University over the past 4 years.

Teaching

Classroom instruction

- Fall 2017 Instructor and supervisor of Co-Instructor Svetlana Pinet, An introduction to EEG recording and brain stimulation* (undergraduate level) Department of Cognitive Science, Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, MD
** New course developed specifically for the orientation of undergraduate students to methods of brain stimulation and recording. Course selected by the Dean's office in the competitive proposal review process for SOUL (Special Opportunities for Undergraduate Learning) courses at Johns Hopkins University.*
- Spring 2016 Instructor, Cognitive and Neural Basis of Executive Control* (upper-level undergraduate/graduate), Department of Cognitive Science, Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, MD
** New course developed and taught for the first time at Johns Hopkins University*
- Spring 2010 Instructor (lab section), Experimental Design in Cognitive Psychology (upper-level undergraduate), Department of Psychology, University of Illinois at Urbana-Champaign
- Fall 2009 Invited guest lecturer, Psycholinguistics (mid-level undergraduate), Department of Psychology, University of Illinois at Urbana-Champaign

Workshops /seminars

- 11/2014 Organizer and speaker, "Using Transcranial Direct Current Stimulation (tDCS) to study and treat aphasia: Why's, How's, Do's and Don'ts", 52nd Annual Meeting of the Academy of Aphasia, Miami, FL.

Mentoring

Pre-doctoral Advisees /Mentees

**Note that the medical school at Johns Hopkins does not have a PhD program in cognitive psychology or cognitive neuroscience. The majority of our trainees are post-BA research assistants and post-doctoral fellows. Occasionally, there are opportunities for joint mentoring of MA or PhD students admitted through other programs.*

Full time trainees, interns, or students with independent research projects

- 2018 **Juliana Hoover**, B.A. candidate (Linguistics and Neuroscience, Duke University). Juliana is completing a full-time summer internship in my lab. During this time, she has learned the basics of experimental design and neuropsychological testing in individuals with aphasia. With supervision from me and my RA Chris Hepner, she has designed a study to investigate the origin of multi-word production deficit in aphasia, has collected data from seven individuals with aphasia, transcribed and coded the data, and has learned how to graph and present her results. In addition, she has been familiarized with the basics of EEG testing, and has been helping my postdoc Svetlana in an EEG project investigating the origins of semantic and phonological interference in individuals with aphasia. Going forward, she will be included in the presentation and write-up of the data she has been directly involved in collecting and/or coding.
- 2018 **Adna Jaganjac**, B.A. (Psychology and English, Emory University). Adna has joined the lab in August 2018 as the new lab manager, and is interested in studying the link between monitoring, metacognition and language learning.
- 2016-2018 **Jessa Sahl**, B.A. (Music and pre-med, University of Connecticut). Jessa was a full-time Research Assistant in my lab and has worked on several projects regarding language learning in children and individuals with post-stroke aphasia. She has a poster with me, and has also finished two projects on second language learning in children in Baltimore schools, and studying the role of inhibitory control in the production of agreement errors, the data for which are currently being analyzed. Jessa has been accepted into medical school at the University of Connecticut, and has started in August 2018.
- 2016-present **Christopher Hepner**, M.A. (Cognitive Science, Johns Hopkins University). Chris is a full-time Research Assistant in my lab, working on models of phonological working memory in speech perception and production. His second line of research focuses on exploring the cognitive architecture of spoken and written production. He is a co-author on a published paper, and two 6-page CogSci abstracts. He has had three oral presentations in major conferences based on his work with me, and is currently writing up two additional journal articles based on his work in the lab.
- 2015-17 **Nicholas McCloskey**, B.A. candidate (Psychology, Temple University). Nick was a full-time research intern and a part-time RA in my lab working on bilingualism. He is a co-author on two posters with me. He is currently a Research Assistant in the Linguistics programs at the University of South Carolina.
- 2015-16 **Kathleen Kelly**, B.A. (Psychology & Neuroscience, Rice University; post-BA pre-med student at Johns Hopkins University). Kathleen completed two semesters of Medical Tutorial credit in my lab, and learned collection of eye-tracking data. She was accepted to Georgetown Medical School in 2016.
- 2014-17 **Michael Freund**, B.A. (Psychology, University of Wisconsin). As my lab manager, Mike has been involved in several projects, and has co-authored Nozari, Freund, Breining, Rapp & Gordon (2016). He also has two first-author papers and three conference presentations with me. In fall 2017, he started his PhD training in cognitive neuroscience at Washington University in St. Louis in Todd Braver's lab.
- 2014-16 **Niloofar Akhavan**, M.A. (Psychology, Koc University, Istanbul, Turkey). I have co-mentored Niloofar on several projects, including collection of data from individuals with aphasia in Iran. I have been a co-author on four papers on which Niloofar has been the first author. Niloofar started her training as a PhD student in Speech and Hearing Sciences at UCSD in Spring 2017. She was awarded the ASHA's Graduate Student Scholarship in Fall 2017.
- 2014-15 **Kyle Schneck**, M.A. (Linguistics and cognitive science; University of Delaware). Kyle worked with me part-time for a year. He learned speech error coding, and is a co-author in Nozari, Dell, Schenk, & Gordon (2015). In 2016, Kyle accepted a position as the science writer for NASA.
- 2014-15 **Bonnie Breining**, Ph.D. candidate (Cognitive Science, Johns Hopkins University). I co-mentored Bonnie Breining on three projects all three of which are published in high profile journals. I was also on her dissertation committee. After graduation in Fall 2016, Bonnie accepted a postdoctoral fellowship at Dr. Hillis's lab at the Neurology Department at Johns Hopkins.

- 2014 **Sweta Joshi**, B.A. candidate (Psychology, McGill University), summer 2014. Completed a summer internship with me and learned audio and video coding of speech and gestures. She helped with coding the data for Nozari, Goksun, Thompson-Schill & Chatterjee (2015), and appears in the acknowledgment section of that paper.
- 2012-13 **Kristina Woodard**, B.A. candidate (Psychology, University of Pennsylvania). Worked with me for a year when I was a mentor in the Penn Undergraduate Research Mentorship (PURM) program. Wrote her Honors thesis with me, presented a poster with me at the 20th Annual Meeting of the Cognitive Neuroscience Society (CNS) in 2013, co-authored the article Nozari, Woodard, & Thompson-Schill (2014), and received the Morris Viteles Award for Excellence in Undergraduate Research in Psychology for her work with me. She was later accepted in to the clinical psychology PhD program at the University of Wisconsin.

Part-time trainees (students working part-time in the lab for 1-3 semesters for research credit for Neuroscience, Cognitive Science programs or for Medical Tutorial):

- 2018 Clair Narang (sophomore, Neuroscience)
Soohwan Jung (post-BA premed program)
- 2016-17 Karis D'Alessandro (sophomore/junior, Neuroscience)
Hannah Miller (sophomore, Cognitive Science & Spanish)
Linyuan Shi (sophomore, Neuroscience)
Siri Tummala (freshman, Economics)
Soohwan Jung (post-BA premed program)
- 2015-16 Biobele Braide (junior/senior, Neuroscience)
Katie Link (sophomore/junior, Neuroscience)
- 2014 Alex Serafini (freshman, Biomolecular Engineering and Neuroscience)
Raghav Matta (freshman, Neuroscience)
Rebecca Zhang (freshman, Cellular Biology and Neuroscience)

Post-doctoral Advisees /Mentees

- 2016-present **Svetlana Pinet**, Ph.D. (Psychology, Aix-Marseille University). Svetlana works on cognitive and neural basis of typing. Based on her work in my lab, she has published a paper with me in *Psychonomic Bulletin & Review*, has another paper under review, and one that is being prepared for write-up. In addition, she has had multiple presentations based on her work in the lab in major conferences such as the SNL, Psychonomics, Academy of Aphasia, and CogSci.
- 2015-16 **Alison Trude**, Ph.D. (Psychology, University of Illinois at Urbana-Champaign) currently a language scientist in the Alexa team at Amazon. Alison received her NRSA (F32 grant) from NIH: NIDCD under my mentorship. She has three conference abstracts with me, as well as a 6-page paper in the proceedings of the Annual Meeting of the Cognitive Science Society, 2017. The data she collected during her time in my lab are ready to be written up as two papers.

Thesis committees

- 2018 Robert Wiley, Ph.D. candidate in Cognitive Science, Johns Hopkins University. Dissertation committee member.
- 2017 Niloofar Akhavan, M.A. candidate in Psychology, Koç University, Istanbul, Turkey. Dissertation committee member.
- 2017 Behnoush Tahanzadeh, Ph.D. candidate in Speech and Hearing Sciences, Tehran University of Medical Sciences, Tehran, Iran. Dissertation committee member.
- 2016 Bonnie Breining, Ph.D. candidate in Cognitive Science, Johns Hopkins University. Dissertation committee member.

Educational Program Building / Leadership

- 2017 Mentor in the Academy of Aphasia's Mentorship Program.
- 2017 Proposed a new course (together with mentee Dr. Svetlana Pinet) to teach undergraduate students the basics of brain recording and stimulation. This proposal was in answer to a call for the

- competitive SOUL (Special Opportunities for Undergraduate Learning) program, and was approved for teaching in Fall 2017.
- 2016 Proposed a new course, Cognitive and Neural Basis of Executive Control, for teaching in the department of Cognitive Science.
- 2016 Mentor in the Women's Mentorship Network sponsored by The American Women's Medical Association.
- 2014-present Mentor in the neuroscience program at Johns Hopkins University. Supervising undergraduate students in the neuroscience program who seek research experience in cognitive psychology or cognitive neuroscience. Offering research credit (1-4).
- 2014-present Mentor in the Medical Tutorial program at Johns Hopkins University. Providing a unique experience for pre-med students who want to learn the basics of translational research, as well as modern techniques in cognitive research such as eye-tracking. Offering research credit (1-2).
- 2011-2013 Mentor in the PURM (Penn Undergraduate Research Mentorship) program to promote excellence in undergraduate research. Research mentorship and supervision of Honors theses. Trainee was awarded the Morris Viteles Award for Excellence in Undergraduate Research in Psychology.

Educational Demonstration Activities to external audiences, on or off campus

- 2017-present Delivering short lectures and holding group meeting with parents as part of the Baltimore School Outreach program. The goal of this program is to familiarize school staff and parents with the basics of cognitive research on language, and to discuss opportunities for involving schools in research activities. This program has been well received by several schools in Baltimore city and Baltimore county who are currently our educational research partners in developing the best methods for second language training in children.
- 2015-present Supervising HASA (Hopkins Association for Stroke Awareness) volunteer students in an educational community outreach program which engages individuals with post-stroke aphasia in long-distance communication via video or phone. Part of this program's goal is to familiarize students with the language disorders after stroke, and to help them learn how to communicate with individuals with brain damage.
- 2015-present Delivering periodic lectures at the Snyder Center For Aphasia Life Enhancement (SCALE) in Baltimore. This is a facility for the rehabilitation of individuals with persistent language problems after stroke. Short lectures are geared towards familiarizing the patients and their families or caregivers with the nature of cognitive research on language disorders, and to offer them opportunities to participate in the type of research activity that might be of interest to them. This effort has been very successful, and we currently have a research program that involves over 20 SCALE members.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

- 2018 Editor, PLOS ONE journal
- 2018 Elected to the editorial board of the Cognitive Neuropsychology journal
- 2017 Elected chair of the Academy of Aphasia membership board
- 2016 Search committee member for the new faculty hire in the Cognitive Neurology division.
- 2016 Elected to the Academy of Aphasia Membership Board
- 2016 Elected to the editorial board of Frontiers in Psychology journal (Cognition section)

Journal/conference peer review activities

- Reviewer, Journal of Memory and Language
- Reviewer, Cognition
- Reviewer, Psychological Science
- Reviewer, Cognitive Neuropsychology
- Reviewer, Memory and Cognition
- Reviewer, Journal of Experimental Psychology: Learning, Memory and Cognition
- Reviewer, Journal of Experimental Psychology: Human Perception and Performance

Reviewer, Journal of Cognitive Neuroscience
 Reviewer, Trends in Cognitive Sciences (TICS)
 Reviewer, International Journal of Speech-Language Pathology
 Reviewer, Frontiers in Psychology
 Reviewer, Brain & Language
 Reviewer, Neuropsychologia
 Reviewer, Acta Psychologica
 Reviewer, Cognitive, Affective, & Behavioral Neuroscience
 Reviewer, Journal of Neurolinguistics
 Reviewer, Quarterly Journal of Experimental Psychology
 Reviewer, Brain Stimulation
 Reviewer, Language and Cognitive Processes (now Language, Cognition, and Neuroscience)
 Reviewer, PLoS One
 Reviewer, Cognitive and Behavioral Neurology
 Reviewer, Experimental Brain Research
 Reviewer, Bilingualism: Language and Cognition
 Reviewer, Scientific Reports - Nature Research
 Reviewer, Language Learning and Development
 Reviewer, Journal of Cognition
 Reviewer, 37th Annual Meeting of the Cognitive Science Society
 Reviewer, 38th Annual Meeting of the Cognitive Science Society
 Reviewer, 40th Annual Meeting of the Cognitive Science Society
 Reviewer, 29th Annual CUNY Conference on Human Sentence Processing
 Reviewer, 30th Annual CUNY Conference on Human Sentence Processing
 Reviewer, 31st Annual CUNY Conference on Human Sentence Processing

Advisory Committees, Review Groups/Study Sections

2018 Reviewer for the Provost's Undergraduate Research Award (PURA) at Johns Hopkins University
 2018 Reviewer for l'Agence Nationale de la Recherche (ANR; the French National Research Agency)
 2018 Reviewer for the Summer Training and Research (STAR) undergraduate award at Johns Hopkins
 2018 Reviewer for the UK Stroke Association
 2018 Reviewer for the National Science Foundation (NSF) (Panel member)
 2017 Reviewer for the William Orr Dingwall Foundation
 2016 Reviewer for the National Science Foundation (NSF) (Ad hoc reviewer)
 2016 Reviewer for the National Science Foundation (NSF) – Dissertation proposals
 2014 Reviewer for the Netherlands Organization for Scientific Research (NWO)

Professional Societies

2018-present Elected Chair of the Membership Committee - Academy of Aphasia
 2017-present Member – The Society for the Neurobiology of Language
 2016-2018 Elected to the Membership Committee - Academy of Aphasia
 2016-present Fellow – The Psychonomic Society
 2013-2015 Member – The Psychonomic Society
 2011-2013 Associate Member – The Psychonomic Society
 2010-present Member – The Cognitive Science Society
 2009-present Member - Academy of Aphasia

Community Services

2015-present Supervising HASA (Hopkins Association for Stroke Awareness) volunteer students in a community outreach program which engages individuals with post-stroke aphasia in long-distance communication via video or phone. This programs aims to provide a free service to individuals with aphasia, especially those with fewer resources, to practice their communication skills without leaving their homes. Ultimately, the goal is to integrate such individuals into long-term support programs such as those offered by SCALE.