

CURRICULUM VITAE

Corianne Rogalsky

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EDUCATION

Ph.D. Psychology, University of California, Irvine, 2008
Area of concentration: Cognitive Neuroscience
M.A. Social Science, University of California, Irvine, 2005
B.S. Biochemistry, Loyola Marymount University, 2003

ACADEMIC APPOINTMENTS

2023- Assistant Dean of Undergraduate Education, College of Health Solutions, Arizona State University (ASU)
2022- Affiliated Faculty, Simon A. Levin Mathematical, Computational and Modeling Sciences Center, ASU
2020- Associate Professor of Speech and Hearing Science, College of Health Solutions, Arizona State University
2019-2023 Program Director, PhD in Speech and Hearing Science
2019-2022 Program Director, MS in Auditory & Language Neuroscience
2013-2020 Assistant Professor of Speech and Hearing Science, College of Health Solutions Arizona State University
2012-2015 Consultant, Laboratory for Cognitive Neuroscience, Salk Institute for Biological Studies, La Jolla, CA
2011-2013 Postdoctoral Fellow, Auditory and Language Neuroscience Laboratory, Department of Cognitive Sciences, University of California, Irvine
2008-2011 Postdoctoral Research Associate, Dana and David Dornsife Cognitive Neuroscience Imaging Center, University of Southern California

PUBLICATIONS

Manuscript order: Publications in each section are listed in reverse chronological order
Order of authorship: In most cases, first author is assigned to the study lead, last author is assigned to the PI overseeing the work. In some cases, the PI is also the study lead and therefore also will be listed as first author (see: <https://www.ncbi.nlm.nih.gov/pubmed/17651671>)
The one exception is publication J30 listed below. Authors are listed in order of amount of contribution.

* denotes an ASU graduate student under my mentorship

** denotes an ASU undergraduate student under my mentorship

† denotes co-first authorship with co-authors listed in alphabetical order

MANUSCRIPTS SUBMITTED / IN REVIEW TO PEER-REVIEWED JOURNALS

Farahbod, H., **Rogalsky, C.**, Keator, L.M., *Cai, J., Pillay, S.B., *LaCroix, A.N., Fridriksson, J., Binder, J.R., Venezia, J.H., Saberi, K. & Hickok, G. (revisions submitted). Audiovisual synchrony in left-hemisphere brain-lesioned individuals with aphasia. Revisions submitted to *Journal of Cognitive Neuroscience*.

LaCroix, A.N. & **Rogalsky, C.** (revisions submitted). An exploratory study and new model of implicit timing in sentence comprehension. Revisions submitted to *Brain and Language*.

*Basciano, A., Chao, S., *Majors, M., *Chermack, G., *Pettijohn, M., *Gomez, A., *Davidson, C., **Rogalsky, C.** & Daliri, A. (in revision). Individuals with aphasia generate larger adaptive responses to suddenly introduced auditory perturbations. Submitted to *Journal of Speech, Language, and Hearing Research*.

Fitzhugh, M.C., Schaefer, S.Y., Baxter, L.C. & **Rogalsky, C.** (in revision). Neural mechanisms of listening to speech in noise with age-related hearing loss. Submitted to *Ear and Hearing*.

PEER REVIEWED JOURNAL ARTICLES

- J38. *Zhu, H., Fitzhugh, M.C., Keator, L.M., Johnson, L., Rorden, C., Bonilha, L., Fridriksson, J., & **Rogalsky, C.** (2024). How can graph theory inform the dual-stream model of speech processing? A resting state functional magnetic resonance imaging study of stroke and aphasia symptomology. *Journal of Cognitive Neuroscience* 9:1-30.
- J37. Swann, Z.E., Tesman, N.A., **Rogalsky, C.** & Honeycutt, C.F. (2023). Word repetition paired with startling stimuli decreases aphasia and apraxia severity in severe-to-moderate stroke: a stratified, single-blind, randomized control trial. *American Journal of Speech-Language Pathology* 32(6): 2630-2653.
- J36. Farahbod, H., **Rogalsky, C.**, Keator, L.M., *Cai, J., Pillay, S., Turner, K., *LaCroix, A.N., Fridriksson, J., Binder, J., Middlebrooks, J.C., Hickok, G. & Saberi, K. (2023). Informational masking in aging and brain-lesioned individuals. *Journal of the Association for Research in Otolaryngology*, 24(1): 67-79.
- J35. **Rogalsky, C.**, Basilakos, A., Rorden, C., Pillay, S., *LaCroix, A.N., **Mickelsen, S., Anderson, S.W., Love, T., Fridriksson, J., Binder, J. & Hickok, G. (2022). The neuroanatomy of speech processing: a large-scale lesion study. *Journal of Cognitive Neuroscience* 34(8): 1355-1375.
- J34. Lingo VanGilder, J., Bergamino, M., Hooyman, A., *Fitzhugh, M.C., **Rogalsky, C.**, Stewart, J.C., Beeman, S.C. & Schaefer, S.Y. (2022). Using whole-brain diffusion tensor analysis to evaluate white matter structural correlates of delayed visuospatial memory and one-week motor skill retention in nondemented older adults. *PLoS One* 17(9): e0274955.
- J33. *LaCroix, A.N, James, E. & **Rogalsky, C.** (2021). Neural resources supporting language production and comprehension in chronic post-stroke aphasia: an activation likelihood estimate study. *Frontiers in Psychology* 15:680933.
- J32. *Fitzhugh, M.C. *LaCroix, A.N. & **Rogalsky, C.** (2021). Distinct contributions of working memory and attentional control to sentence comprehension in noise in persons with stroke. *Journal of Speech, Language, and Hearing Research* 64(8): 3230-3241.
- J31. *Fitzhugh, M.C., Schaefer, S.Y., Baxter, L.C. & **Rogalsky, C.** (2021). Cognitive and neural predictors of speech comprehension in noisy backgrounds in older adults. *Language, Cognition and Neuroscience* 36(3): 269-287.

- J30. Peter, B., Bruce, L., Raaz, C., Williams, E., Pfeiffer, A. & **Rogalsky, C.** (2021). Comparing global motor characteristics and adults with childhood apraxia of speech to a cerebellar stroke patient: Evidence for the cerebellar hypothesis in a developmental motor speech disorder. *Clinical Linguistics & Phonetics*, 35(4): 368-392.
- J29. *LaCroix, A.N., *Tully, M. & **Rogalsky, C.** (2020). Assessing alerting, orienting, and executive control in persons with aphasia using the Attention Network Test. *Aphasiology*, epub DOI: 10.1080/02687038.2020.1795077.
- J28. *LaCroix, A.N., Baxter, L.C. & **Rogalsky, C.** (2020). Auditory attention following a left hemisphere stroke: comparisons of alerting, orienting, and executive control performance using an auditory Attention Network Test. *Auditory Perception & Cognition* 3(4): 238-251.
- J27. *LaCroix, A.N., **Blumenstein, N., *Tully, M., Baxter, L.C. & **Rogalsky, C.** (2020). Effects of prosody on the cognitive and neural resources supporting sentence comprehension: a behavioral and lesion-symptom mapping study. *Brain and Language*, 203:104756.
- J26. *Fitzhugh, M.C., **Hemesath, A., Schaefer, S., Baxter, L. & **Rogalsky, C.** (2019). Functional connectivity of Heschl's gyrus associated with age-related hearing loss: a resting-state fMRI study. *Frontiers in Psychology* 10:2485.
- J25. Kim, K., Adams, L., Keator, L.M., Wright, A.E., Wright, A., Sheppard, S.M., Breining, B.L., Rorden, C., Fridriksson, J., Bonilha, L., **Rogalsky, C.**, Love, T., Hickok, G. & Hillis, A.E. (2019). Neural processing critical for distinguishing between speech sounds. *Brain and Language* 197:104677.
- J24. *Fitzhugh, M.C., **Whitehead, P.S., **Johnson, L., *Cai, J.M., Baxter, L.C. & **Rogalsky, C.** (2019). A functional MRI investigation of cross-modal interference in an audiovisual Stroop task. *PLoS One* 14(1): e0210736.
- J23. *Fitzhugh, M.C., Braden, B., Sabbagh, M., **Rogalsky, C.**, Baxter, L.C., (2019). Age-related atrophy and compensatory neural networks in reading comprehension. *Journal of the International Neuropsychological Society* 25(6): 569-582.
- J22. *LaCroix, A.N., **Blumenstein, N., **Houlihan, C. & **Rogalsky, C.** (2019). The effects of prosody on sentence comprehension: evidence from a neurotypical control group and seven cases of chronic stroke. *Neurocase* 25(3-4), 106-117.
- J21. †Hickok, G., †**Rogalsky, C.** Matchin, W., Basilakos, A., *Cai, J., Pillay, S., Ferrill, M., **Mickelsen, S., Anderson, S.W., Love, T., Binder, J. & Fridriksson, J. (2018). Neural networks supporting audiovisual integration for speech: a large-scale lesion study. *Cortex* 103, 360-371.
- J20. Berisha, V., Gilton, D., Baxter, L.C., Corman, S.R., Blais, C., Brewer, G., Ruston, S., Ball, B.H., Wingert, K.M., Peter, B. & **Rogalsky, C.** (2018). Structural neural predictors of Farsi-English bilingualism. *Brain and Language* 180-182, 42-49.
- J19. **Johnson, L., *Fitzhugh, M.C., Yi, Y., **Mickelsen, S., Baxter, L.C., Howard, P. & **Rogalsky, C.** (2018). Functional neuroanatomy of second language sentence comprehension: an fMRI study of late learners of American Sign Language. *Frontiers in Psychology*, 9:1626.
- J18. **Rogalsky, C.**, *LaCroix, A., Chen, K.H., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2018). The neurobiology of agrammatic sentence comprehension: a lesion study. *Journal of Cognitive Neuroscience* 30(2), 234-255.
- J17. Okada, K., **Rogalsky, C.**, O'Grady, L., Hanaumi, L., Bellugi, U., Corina, D. & Hickok, G. (2016). An fMRI study of perception and action in Deaf signers. *Neuropsychologia* 82, 179-188.
- J16. **Rogalsky, C.**, Poppa, T., Chen, K., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2015). Speech repetition as a window on the neurobiology of auditory-motor integration for speech: a voxel-based lesion symptom mapping study. *Neuropsychologia* 71, 18-27.

- J15. **Rogalsky, C.**, Almeida, D., Sprouse, J. & Hickok, G. (2015). Sentence processing selectivity in Broca's area: evident for structure but not syntactic movement. *Language, Cognition & Neuroscience* 30(10), 1326-1338.
- J14. *LaCroix, A., Diaz, A.F. & **Rogalsky, C.** (2015). The relationship between the neural computations for speech and music perception is context-dependent: an activation likelihood estimate study. *Frontiers in Psychology* 6:1138.
- J13. Garrison, K., **Rogalsky, C.**, Sheng, T., Liu, B., Damasio, H., Winstein, C.J. & Aziz-Zadeh, L.S. (2015). Functional MRI preprocessing in lesioned brains: manual versus automated region of interest analysis. *Frontiers in Neurology* 6:196.
- J12. Hickok, G., **Rogalsky, C.**, Chen, R., Herskovits, E.H., Townsley, S. & Hillis, A.E. (2014). Partially overlapping sensorimotor networks underlie speech praxis and verbal short-term memory: evidence from apraxia following acute stroke. *Frontiers in Human Neuroscience*, 8:649.
- J11. **Rogalsky, C.**, Raphel, K., Tomkovicz, V., O'Grady, L., Damasio, H., Bellugi, U., & Hickok, G. (2013). Neural Basis of Action Understanding: Evidence from Sign Language Aphasia. *Aphasiology* 27(9) 1147-1158.
- J10. **Rogalsky, C.**, Vidal, C. Li, X. & Damasio, H. (2012). Risky decision-making in older adults without cognitive deficits: an fMRI study of VMPFC with the Iowa Gambling Task. *Social Neuroscience*, 7(2), 178-90.
- J9. Hickok, G. & **Rogalsky, C.** (2011). What Does Broca's Area Activation to Sentences Reflect? *Journal of Cognitive Neuroscience*. 23(10), 2629-2631.
- J8. **Rogalsky, C.**, Rong, F., Saberi, K. & Hickok, G. (2011). Functional anatomy of language and music perception: temporal and structural factors investigated using fMRI. *Journal of Neuroscience* 31(10), 3843-3852.
- J7. **Rogalsky, C.**, Love, T., Driscoll, D., Anderson, S.W. & Hickok, G. (2011). Are mirror neurons the basis of speech perception? Evidence from five cases with damage to the purported human mirror system. *Neurocase*, 17(2), 178-187.
- J6. **Rogalsky, C.** & Hickok, G. (2011). The role of Broca's area in sentence comprehension. *Journal of Cognitive Neuroscience*, 23(7), 1664-1680.
- J5. **Rogalsky, C.** & Hickok, G. (2009). Selective attention modulates sentence processing networks in anterior temporal cortex. *Cerebral Cortex*, 19(4), 786-796.
- J4. **Rogalsky, C.**, Matchin, W. & Hickok, G. (2008). Broca's area, sentence comprehension, and working memory: an fMRI study. *Frontiers in Human Neuroscience*, 2:14. doi: 10.3389/neuro.09.0142008.
- J3. **Rogalsky, C.**, Pitz, E., Hillis, A.E. & Hickok, G. (2008). Auditory word comprehension impairment in acute stroke: relative contribution of phonemic versus semantic factors. *Brain and Language*, 107(2): 167-169.
- J2. Hickok, G., Okada, K., Barr, W., Pa, J., **Rogalsky, C.**, Donnelly, K., Barde, L. & Grant, A. (2008). Bilateral capacity for speech sound processing in auditory comprehension: evidence from Wada procedures. *Brain and Language* 107(3) 179-84.
- J1. Paulus, M. P., **Rogalsky, C.**, Simmons, A., Feinstein, J.S., & Stein, M.B. (2003). Increased activation in the right insula during risk taking decision making is related to harm avoidance and neuroticism. *NeuroImage*, 19(4): 1439-1448.

BOOK CHAPTERS

- B2. Matchin, W. & **Rogalsky, C.** (2023). Aphasia and syntax. In Oxford Handbook of Experimental Syntax, ed. Sprouse, J. Oxford University Press.
- B1. **Rogalsky, C.** (2015). The role of the anterior temporal lobe in sentence processing. In *Neurobiology of Language*, eds. Hickok, G. & Small, S. Elsevier.

INVITED TALKS

- C9. **Rogalsky, C.** (2019). The roles of selective attention in speech comprehension and aphasia rehabilitation. Invited Speaker, Center for the Study of Aphasia Recovery Lecture Series, University of South Carolina.
- C8. **Rogalsky, C.** (2016). New directions in the neuroscience of language. Invited speaker, Phoenix Children's Hospital Applied Neuroscience Research Meeting December 2016.
- C7. **Rogalsky, C.** (2014). Neuroimaging techniques to characterize the neural computations underlying human communication. Invited Speaker, ASU / Banner Sun Health Research Institute Neuroscience Forum, Tempe, Arizona.
- C6. **Rogalsky, C.** (2014). Characterizing top-down influences on speech perception in healthy and patient brains. Invited Speaker, Department of Speech, Language & Hearing Sciences Colloquium Series, University of Arizona.
- C5. **Rogalsky, C.** (2013). What the brain looks like for normal hearing listeners when stimulated with speech. Invited Speaker, Neural Imaging Meeting: from Cochlea to Cortex, Arizona State University.
- C4. **Rogalsky, C.** (2011). Cognitive, emotional, and neuroanatomical variability in older adults without dementia. Presentation, *2011 What's Hot in Aging Research at USC: Interdisciplinary Perspectives*. Los Angeles, CA.
- C3. Hickok, G., Fillmore, P., **Rogalsky, C.** & Saberi, K. (2010). fMRI Investigations of Auditory Sequence Processing. *Western Society for the Study of Sequencing and Timing Annual Meeting*, Santa Barbara, CA.
- C2. **Rogalsky, C.** (2008). Exploring sentence processing networks using fMRI. Invited Speaker, Language Acquisition Focus Group, Department of Linguistics, University of Southern California.
- C1. **Rogalsky, C.** (2008). Parsing the Brain: fMRI Investigations of the Functional Neuroanatomy of Sentence Processing. Invited Speaker, Psychobabble Psycholinguistics Seminar, UCLA Department of Linguistics.

ORAL CONFERENCE PRESENTATIONS

- O16. *Basciano, A., Chao, S., Isaacson, A., **Rogalsky, C.**, & Daliri, A. (2024). Did I do that? Investigating objective auditory-motor agency in younger and older adults. Oral Presentation, Auditory Perception, Cognition & Action Meeting, New York, NY.
- O15. LaCroix, A.N. & **Rogalsky, C.** (2024). A consistent rhythm engages neural resources outside of the core language network during sentence comprehension. Platform Presentation, Clinical Aphasiology Conference, Waikoloa, HI.
- O14. **Rogalsky, C.**, & LaCroix, A. N. (2023). Catching the first pitch: a proposed dynamic functional network of linguistic prosody. Oral Presentation, Auditory Perception, Cognition & Action Meeting, San Francisco, CA.
- O13. *Majors, M., *Gomez, A., *Moyer, J., & **Rogalsky, C.** (2023). An Investigation of Impulsivity and Inhibition in Adults with Aphasia. Technical Presentation, American Speech-Language-Hearing Association Annual Convention.
- O12. *LaCroix, A.N. & **Rogalsky, C.** (2020). Auditory attention in persons with aphasia: comparisons of alerting, orienting, and executive function. Oral Presentation, 2020 Auditory Perception, Cognition, and Action Meeting.

- O11. *LaCroix, A.N. & **Rogalsky, C.** (2019). Alerting, orienting, and executive control: post-stroke effects of attention abilities on speech comprehension. Data Blitz Presentation, 2019 Cognitive Neuroscience Society Meeting, San Francisco, CA.
- O10. *LaCroix, A., *Cai, J., Baxter, L., & **Rogalsky, C.** (2016). The relationship between functional reorganization, language and cognition post-stroke: A neuroimaging and behavioral case study. Technical Presentation, 2016 American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA, USA.
- O9. **Rogalsky, C.**, *LaCroix, A., Chen, K., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2015). Damage to Broca's area or the anterior temporal lobe is implicated in stroke-induced agrammatic comprehension: it depends on the task. Platform Presentation, *2015 Academy of Aphasia Annual Meeting*, Tucson, AZ, USA.
- O8. *Cai, J., **Blumenstein, N., Diaz, A., Baxter, L.C. & **Rogalsky, C.** (2015). Functional reorganization of language and music perception post-stroke: a functional magnetic resonance imaging study. Technical Session, 2015 Arizona Speech-Language-Hearing Association Convention. Phoenix, AZ.
- O7. **Rogalsky, C.**, Chen, K., Poppa, T., Anderson, S.W., Damasio, H., Binder, J., Love, T. & Hickok, G. (2014). Relative contributions of the dorsal vs. ventral speech streams to speech perception are context dependent: a lesion study. Platform Presentation, *2014 Academy of Aphasia Annual Meeting*, Miami, FL, USA.
- O6. Poppa, T., **Rogalsky, C.**, Raphel, K., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2013). Sensory-motor integration in speech production, a voxel-based lesion-symptom mapping study. Oral Session, 2013 Human Brain Mapping Conference, Seattle, WA, USA.
- O5. **Rogalsky, C.**, Tomkovicz, V., Batch, L., Damasio, H., Bellugi, U., & Hickok, G. (2012). Sign language comprehension & the neural basis of action understanding: a lesion study. Platform Presentation, *2012 Academy of Aphasia Annual Meeting*, San Francisco, CA, USA.
- O4. **Rogalsky, C.**, Love, T., Shivapour, S., Driscoll, D., Anderson, S.W. & Hickok, G. (2010). Neuroanatomy of speech perception in noisy conditions: a lesion study. Nanosymposium, *2010 Society for Neuroscience Meeting*, San Diego, CA.
- O3. **Rogalsky, C.**, Love, T., Driscoll, D., Anderson, S.W. & Hickok, G. (2010). The relationship between speech perception and the human "mirror system": evidence from lesion case-studies. Slide Presentation, *2010 Cognitive Neuroscience Society Meeting*, Montreal, Canada.
- O2. **Rogalsky, C.**, Driscoll, D., Wisnowski, J.L., Anderson, S.W., Hickok, G. (2009). Contributions of the anterior temporal lobe to sentence comprehension: a lesion study. Slide Presentation, *2009 Cognitive Neuroscience Society Meeting*, San Francisco, CA.
- O1. **Rogalsky, C.**, Matchin, W. & Hickok, G. (2008). Investigating the relationship between Broca's area, sentence processing and working memory: an fMRI study of sentence comprehension during articulatory suppression. Slide Presentation, *2008 Society for Neuroscience*, Washington, D.C.

CONFERENCE ABSTRACTS & POSTERS

- A55. Al-Hassan, Zhu, H., L., LaCroix, A.N., Fitzhugh, M.C. & **Rogalsky, C.** (abstract submitted). Area 55b's association with speech and pitch processing in chronic stroke: a resting-state fMRI study. Abstract Submitted for Poster Presentation, 2025 Cognitive Neuroscience Society Meeting, Boston, MA.
- A54. Zhu, H., Fitzhugh, M.C., Keator, L.M., Johnson, L. Rorden, C., Bonilha, L., Fridriksson, J. & Rogalsky, C. (2023). A resting-state fMRI study of network hypo- and hyper-connectivity

- differences predicting post-stroke aphasia: location and distance matter. Poster Presentation, 2023 Society for Neuroscience Meeting, Washington, DC.
- A53. *Basciano, A., **Pettijohn, M., *Majors, M., Daliri, A. & **Rogalsky, C.** (2022). Characterizing speech production impairments in aphasia using delayed auditory feedback. Poster Presentation, 2022 Society for Neurobiology of Language Conference, Philadelphia, PA.
- A52. *Hsueh, Y., *Zhu, H., *LaCroix, A.N., *Fitzhugh, M.C., *DePinto, E., **Alaaf, Z., **Mallapragada, S., Baxter, L.C. & **Rogalsky, C.** (2021). Right hemisphere white matter differences in left hemisphere stroke survivors with and without aphasia: a TBSS and tractography study. Slide Slam Session, 2021 Society for Neurobiology of Language Conference (Virtual).
- A51. *Basciano, A., **Gray, B., Wojtaszek, M., *LaCroix, A.N., **Mallapragada, S., Daliri, A. & **Rogalsky, C.** (2021). Quantitative assessment of pitch and rhythm production abilities in left hemisphere stroke survivors with and without aphasia: evidence for shared rhythm resources for speech and music. Slide Slam Session, 2021 Society for Neurobiology of Language Conference (Virtual).
- A50. *Haoze, Z., *Fitzhugh, M.C., Keator, L.M., Johnson, L., *LaCroix, A.N., Fridriksson, J. & **Rogalsky, C.** (2021). Hub functional connectivity differences in the dual-stream language network in post left-hemisphere stroke survivors: a resting-state fMRI study. Slide Slam Session, 2021 Society for Neurobiology of Language Conference (Virtual).
- A49. *Haoze, Z., *LaCroix, A.N., *Fitzhugh, M.C., *DePinto, E., **Mallapragada, S. & **Rogalsky, C.** (2021). Network-level differences in the dual-stream language network in post-stroke aphasia: a resting-state fMRI study. Poster Session, 2020 Society for Neuroscience (Virtual) Conference.
- A48. *Hsueh, Y., Zhu, *Haoze, LaCroix, A.N., *Fitzhugh, M.C., *DePinto, E., **Alaaf, Z., **Mallapragada, S., Baxter, L.C. & **Rogalsky, C.** (2020). An investigation of the relationships between right hemisphere structural MRI measures and language abilities in left hemisphere stroke survivors. Poster Session, 2020 Society for Neurobiology of Language Conference.
- A47. *Fitzhugh, *M.C., LaCroix, A.N. & **Rogalsky, C.** (2020). Distinct contributions of working memory and attentional control to sentence comprehension in noise in persons with chronic stroke. Poster Session, 2020 Society for Neurobiology of Language Conference.
- A46. James, E., *LaCroix, A.N., *Hays, G. & **Rogalsky, C.** (2020). The role of the right hemisphere in receptive and productive language recovery: an activation likelihood estimate study. Poster Session, 2020 Society for Neurobiology of Language Conference.
- A45. LaCroix, A.N., **Rehwalt, C., **Ordaz, E., & **Rogalsky, C.** (2020) Attention! Behavioral evidence of distinct contributions of attention and working memory to speech comprehension. Poster Session, 2020 Cognitive Neuroscience Society Meeting.
- A44. *LaCroix, A.N., *Tully, M., Chao, S., Daliri, A., & **Rogalsky, C.** (2019). An investigation of auditory motor integration following left hemisphere stroke using auditory feedback perturbation. Poster Session, 2019 American Speech-Language-Hearing Association Annual Convention, Orlando, FL.
- A43. *Lingo VanGilder, J., *Fitzhugh, M.C., **Rogalsky, C.** & Schaefer, S.Y. (2019). Neuroanatomical correlates of motor learning and visuospatial processes in cognitively-intact older adults. Poster Session, 2019 Society for Neuroscience, Chicago, IL.
- A42. *Fitzhugh, M.C., Schaefer, S., Baxter, L.C., **Rogalsky, C.** (2018). Exploring the link between age-related hearing loss, resting-state network connectivity and speech comprehension in older adults. Poster Session, 2018 Society for Neuroscience, San Diego, CA.
- A41. *Lingo VanGilder, J., *Fitzhugh, M., **Rogalsky, C.** & Schaefer, S.Y. (2018). Using diffusion tensor imaging to identify structural neural correlates of motor learning and visuospatial

- processes in cognitively-intact older adults. Poster Session, 2018 Society for Neuroscience, San Diego, CA.
- A40. *LaCroix, A., *Cai, J., Baxter, L.C. & **Rogalsky, C.** (2018). Using prosody to improve spoken language comprehension in persons with aphasia. Poster Session, 2018 American Speech-Language-Hearing Association Annual Convention, Philadelphia, PA.
- A39. *Fitzhugh, M.C., Baxter, L.C. & **Rogalsky, C.** (2018). How does functional connectivity between domain-general and language networks relate to sentence comprehension? A resting-state fMRI study in older adults. Poster Session, Society for the Neurobiology of Language, Quebec City, Canada.
- A38. Adams, L., Kim, K., Keator, L., Wright, A., Saxena, S., Wright, A., Hickok, G., **Rogalsky, C.** & Hillis, A.E. (2018). Impaired phoneme discrimination and word comprehension due to acute left superior temporal gyrus dysfunction. Poster Session, 2018 Society for the Neurobiology of Language, Quebec City, Canada.
- A37. *Fitzhugh, M.C., Baxter, L.C. & **Rogalsky, C.** (2018). Functional connectivity changes and hearing loss in older adults. Poster Session, Arizona Alzheimer's Consortium, Phoenix, AZ.
- A36. *LaCroix, A., *Johnson, L., *Blumenstein, N., Maze, S., Baxter, L. C., & **Rogalsky, C.** (2017). The neurobiology of prosody and sentence structure: A fMRI study. Poster Session, 2017 Cognitive Neuroscience Society Meeting, San Francisco, CA.
- A35. *Johnson, L., Yi, Y., *Mickelsen, S., *Fitzhugh, M.C., Baxter, L.C., Howard, P. & **Rogalsky, C.** (2016). Functional plasticity of sentence-processing brain networks: an fMRI study of late American Sign Language acquisition. Poster Session, 2016 Society for Neuroscience, San Diego, CA.
- A34. *LaCroix, A., *Blumenstein, N., *Houlihan, C. & **Rogalsky, C.** (2016). Shared and distinct cognitive resources for syntax and prosody: a sentence comprehension study. Poster Session, 2016 Neurobiology of Language Conference, London, UK.
- A33. *Fitzhugh, M.C., *Whitehead, P.S., *Johnson, L., & Price, D.C., & **Rogalsky, C.** (2016). An investigation of the relationship between the cognitive resources engaged by syntactic and acoustic complexity. Poster Session, 2016 Neurobiology of Language Conference, London, UK.
- A32. *Barragan, B., *Martinez, M., *Jimenez, L., *Vose, C., Diaz, A. & **Rogalsky, C.** (2015). Neurobiology of accented speech perception: a functional MRI pilot study. Oral Presentation and Student Award, Arizona Psychological Association 2015 Convention.
- A31. *Fitzhugh, M.C., *Whitehead, P., *Johnson, L., Diaz, A.F., Baxter, L.C. & **Rogalsky, C.** (2015). An investigation of executive function resources in audiovisual speech comprehension: an fmri study. Poster Session, 2015 Neurobiology of Language Conference, Chicago, IL.
- A30. Diaz, A.F., Yi, Y., *Whitehead, P., Kothe, L. & **Rogalsky, C.** (2015). The relationship between cognitive control and speech: a dual-task behavioral study. Poster Session, 2015 Neurobiology of Language Conference, Chicago, IL.
- A29. Corina, D., Pedersen, S., Faranady, C., **Rogalsky, C.**, Hickok, G. & Bellugi, U. (2015). Limb apraxia in American Sign Language. Poster Session, 2015 Neurobiology of Language Conference, Chicago, IL.
- A28. Yi, Y., Diaz, A.F., *Houlihan, C., Baxter, L.C., Hickok, G. & **Rogalsky, C.** (2015). Interaction of working memory, modality & sentence comprehension in Broca's area: an fMRI study. Poster Session, 2015 Society for Neuroscience Meeting, Chicago, IL.
- A27. **Rogalsky, C.**, Matchin, W., Chen, K., Anderson, S.W., Binder, J., Damasio, H., Love, T. & Hickok, G. (2015). Audiovisual integration for speech: a voxel-based lesion symptom mapping study. Poster Session, 2015 Human Brain Mapping Conference, Honolulu, HI.
- A26. *LaCroix, A., **Rogalsky, C.**, Chen, K., *Hays, G., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2015). The neurobiology of agrammatic sentence comprehension: a lesion

- study. Poster Presentation, 2015 Cognitive Neuroscience Society Meeting, San Francisco, CA.
- A25. **Rogalsky, C.**, Baxter, L.C., Diaz, A., Maze, S. & *Mickelsen, S. (2014). Beyond Broca's area: an fMRI study of individual differences in domain-general mechanisms contributing to sentence comprehension. Poster Presentation, 2014 Neurobiology of Language Conference, Amsterdam, Netherlands.
- A24. Diaz, A., Hickok, G. & **Rogalsky, C.** (2014). Characterizing the neural computations of sentence comprehension: an activation likelihood estimate (ALE) meta-analysis. Poster Presentation, 2014 Neurobiology of Language Conference, Amsterdam, Netherlands.
- A23. Payne, J., Hickok, G. & **Rogalsky, C.** (2014). Differences in language and music processing: auditory, motor and emotional networks. Poster Presentation, 2014 Neurobiology of Language Conference, Amsterdam, Netherlands.
- A22. Okada, K., **Rogalsky, C.**, O'Grady, L., Hanaumi, L., Bellugi, U., Corina, D. & Hickok, G. (2014). An fMRI study of language comprehension and production of actions and objects in deaf signers. 2014 Human Brain Mapping Conference, Hamburg, Germany.
- A21. **Rogalsky, C.**, Raphel, K., Tomkovicz, V., Poppa, T., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2013). The neural basis of speech perception is task-dependent: a lesion study. 2013 Neurobiology of Language Conference, San Diego, CA, USA.
- A20. Okada, K., **Rogalsky, C.**, O'Grady, L., Hanaumi, L., Bellugi, U., Corina, D. & Hickok, G. (2013). The relation between perception and action: evidence from sign language. 2013 Neurobiology of Language Conference, San Diego, CA, USA.
- A19. Ferrill, M., Walenski, M., **Rogalsky, C.** & Love, T. (2013). Neural correlates of the effect of speech rate on lexical access and syntactic dependencies during sentence comprehension. 2013 Neurobiology of Language Conference, San Diego, CA, USA.
- A18. **Rogalsky, C.**, Raphel, K., Tomkovicz, V., Poppa, T., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2013). The neural basis of speech perception is task-dependent and does not rely on the motor system: a lesion study. Poster Session, 2013 Cognitive Neuroscience Society Meeting, San Francisco, CA, USA.
- A17. Poppa, T., **Rogalsky, C.**, Raphel, K., Anderson, S.W., Damasio, H., Love, T. & Hickok, G. (2013). The neuroanatomy of sensory-motor integration: a lesion study. Poster Session, 2013 Cognitive Neuroscience Society Meeting, San Francisco, CA, USA.
- A16. Matchin, W., Ferrill, M., **Rogalsky, C.**, Love, T. & Hickok, G. (2012). Audiovisual speech integration does not rely on the motor system: evidence from intact McGurk fusion in Broca's aphasia. *2012 Neurobiology of Language Conference*, San Sebastian, Spain.
- A15. **Rogalsky, C.**, Tomkovicz, V., Shivapour, S. & Hickok, G. (2011). Role of Broca's area in sentence comprehension: a lesion study. Poster Session, *2011 Neurobiology of Language Conference*, Annapolis, MD, USA.
- A14. Hickok, G., **Rogalsky, C.**, Tomkovicz, V., Batch, L., Damasio, H. & Bellugi, U. (2011). Neural basis of action understanding: evidence from sign language aphasia. Poster Session, *2011 Neurobiology of Language Conference*, Annapolis, MD, USA.
- A13. Garrison, K.A., **Rogalsky, C.**, Ma, K.C., Damasio, H., Winstein, C.J. & Aziz-Zadeh, L.S. (2011). Spatial Normalization of lesion brains: Impact on fMRI region of interest analyses. 2011 Radiological Society of North America Annual Meeting, Chicago, IL.
- A12. **Rogalsky, C.**, Love, T., Shivapour, S., Driscoll, D., Anderson, S.W. & Hickok, G. (2010). Neuroanatomy of speech perception in noisy conditions: a lesion study. Poster Session, *2010 Neurobiology of Language Conference*, San Diego, CA.
- A11. **Rogalsky, C.**, Vidal, C.N., Li, X., Moussa, M.N., Bechara, A. & Damasio, H. (2009). Individual variability in the neural correlates of risky decision-making in the elderly: an fMRI study. Poster Session, *2009 Society for Neuroscience Meeting*, Chicago, Illinois.

- A10. Pitz, E., **Rogalsky, C.**, Pawlak, M., Hickok, G. & Hillis, A.E. (2009). Areas of ischemia associated with semantic vs. phonological areas in auditory comprehension. Paper Presentation, *2009 Academy of Aphasia 47th Annual Meeting*, Boston, Massachusetts.
- A9. **Rogalsky, C.**, Saberi, K. & Hickok, G. (2009). Temporal and structural contributions to activation of anterior temporal sentence processing regions: an fMRI study. Poster Session, *2009 Human Brain Mapping Conference*, San Francisco, California.
- A8. Pitz, E., **Rogalsky, C.**, Hickok, G. & Hillis, A.E. (2009). Neural correlates of impaired auditory word comprehension following acute left hemisphere stroke. Poster Session, *2009 International Stroke Conference*, San Diego, CA.
- A7. **Rogalsky, C.** & Hickok, G. (2008). An fMRI investigation of the functional specificity of sentence processing Networks: A Comparison of Sentences and Melodies. Poster Session, *2008 Cognitive Neuroscience Society Meeting*, San Francisco, California.
- A6. **Rogalsky, C.** & Hickok, G. (2007). Syntactic or semantic processing in the anterior temporal lobe? A selective attention fMRI experiment. Poster Session, *2007 Cognitive Neuroscience Society Meeting*, New York, New York.
- A5. Hickok, G. & **Rogalsky, C.** (2007). Working memory and sentence comprehension during articulatory suppression. Poster Session, *2007 Cognitive Neuroscience Society Meeting*, New York, New York.
- A4. **Rogalsky, C.**, & Hickok, G. (2006). The effect of selective attention to syntactic and semantic properties on sentence processing networks: an fMRI study. Poster Session, *2006 Society for Neuroscience*, Atlanta, Georgia.
- A3. Okada, K., Grant, A.C., Barr, W.B., **Rogalsky, C.** & Hickok, G. (2006). Auditory comprehension of speech during WADA procedures. Poster Session, *North American Regional Epilepsy Congress*, San Diego, CA.
- A2. **Rogalsky, C.**, Smith, K., Okada, K., & Hickok, G (2005). Tone-sequence learning modulates activity in an auditory-motor network: an fMRI study. Poster Session, *2005 International Conference on Cognitive Neuroscience*, Havana, Cuba.
- A1. **Rogalsky, C.**, Smith, K., Okada, K., & Hickok, G (2005). Tone-sequence learning modulates activity in an auditory-motor network. Poster Session, *2005 Cognitive Neuroscience Society Meeting*, New York, New York

GRANTS PENDING REVIEW

- 2024 NIH SBIR, "Rehabilitation Enhancement with Mobile, Accessible Speech Therapy"
 Role: Co-Investigator & ASU Subcontract PI
 ASU Subcontract Total Costs: \$78,373 (100% allocation)

GRANTS AWARDED

- 2022 ASU's Institute for Social Science Research Seed Grant, "Development of Novel, High-Access, and Low-Cost Speech Rehabilitation Tools: Personalized Auditory Feedback Training for Stroke Survivors with Aphasia"
 Role: PI
 Total Costs: \$8K
- 2015-2021 NIH R01 DC009659, "Integrative Functions of the Planum Temporale"
 Role: Co-Investigator & Subcontract PI
 Total Costs: \$3.4M; ASU Subcontract: \$424,145 (100% allocation)

- 2018-2023 NIH R25 NS107188, "Workforce Inclusion in Neuroscience through Undergraduate Research Experience"
Role: Mentor
Total Costs: \$1.27M
- 2014-2015 GRAMMY Foundation Scientific Research Grant, "Musical Facilitation of Speech Comprehension in Stroke"
Role: PI
Total Costs: \$19,464 (100% allocation)
- 2013-2015 NIH R01 DC03681, "Neurobiology of Auditory Language Perception"
Role: Subcontract PI
Total Costs: \$2.4M, ASU Subcontract: \$53,822 (100% allocation)
- 2011 NIH NIA F32AG038172 "Neural Predictors of Vulnerability in Older Adults Without Dementia"
Role: PI
(awarded, but declined due to new appointment)

FUNDING AWARDS BY STUDENTS

- 2018-2019 18PRE33990328 American Heart Association Predoctoral Fellowship "The role of prosody in speech comprehension post-stroke"
Role: Faculty Sponsor (Awarded to my PhD student Arianna LaCroix)
Total Costs: \$53,688

PRESS/MEDIA

- P5. Guest on Bay area public radio station KALW's Philosophy Talk, [a nationally syndicated NPR program](#), for expertise on the neuroscience of prediction, and how prediction-based therapies can be used to improve speech/language recovery after a stroke, 4/30/2023:
<https://www.youtube.com/watch?v=ZT8USznl800&t=320s>
<https://www.youtube.com/@PhilosophyTalkRadio>
- P4. Featured in article and interview on NPR (12/27/21 & 8/26/21) and in the Arizona Republic (9/8/21) about our research using music and technology to improve communications abilities of stroke survivors:
<https://www.npr.org/2021/12/27/1068249616/singing-as-therapy-for-aphasia-kentucky-gov-beshear-on-tornado-recovery>
<https://kjzz.org/content/1710070/aphasia-choirs-bring-new-speech-pathways-people-communication-impairments>
<https://www.pressreader.com/usa/the-arizona-republic/20210908/281728387633683>
- P3. Guest on Arizona public radio station KJZZ for expertise in auditory and language neuroscience, 8/30/18: <https://theshow.kjzz.org/content/692546/auditory-illusions-offer-insights-music-evolution-and-brain>
- P2. PhD student's work featured by the National Aphasia Association, 8/22/18:
<https://www.aphasia.org/stories/research-aphasia-language-comprehension/>

P1. Aphasia work featured on NPR's Public Health Minute on 9/15/16:

<http://wp.lehman.edu/public-health-minute-with-william-latimer/?s=rogalsky>

Teaching and Mentoring

Courses Taught

Course Number and Name *** denotes a new course that I developed	Semesters Taught & Mean Student Evaluation on Instructor Questions (5 is the highest score possible on a 1-5 scale) ^ indicates ASU Online course that I developed
SHS 485 <i>Acquired Speech & Language Disorders</i> This large lecture upper division undergraduate course surveys the etiologies and characteristics of adult speech, language, and cognitive disorders due to brain damage. 3 credits	Spring 2024: 4.8 ^Fall 2023: 4.8 Spring 2023: 4.9 ^Fall 2022: 5.0 Spring 2022: 4.9 ^Fall 2021: 4.9 Spring 2021: 4.9 ^Fall 2019: 5.0 Spring 2019: 4.7 Spring 2018: 4.6 Spring 2017: 4.7 Spring 2016: 4.6 Spring 2015: 4.5 Spring 2014: 4.6
SHS 575 <i>Aphasia & Other Related Neurogenic Disorders</i> This master's level course incorporates a flipped classroom design to maximize hands-on training and critical thinking regarding acquired language and cognitive disorders for speech-language pathologists. 2-3 credits	Spring 2020: 4.5 Spring 2019: 4.8 Spring 2018: 4.9 Spring 2017: 4.8 Spring 2016: 4.8 Spring 2015: 4.9
***SHS 543 <i>Functional Neuroimaging of Language and Related Cognitive Processes</i> This practicum-style graduate course provides graduate and highly-motivated undergraduates the training and opportunity to design, implement, and analyze a functional MRI pilot experiment. (in Fall 2016 & 2014 taught as SHS 598). 3 credits	Fall 2024: 4.9 Fall 2022: 4.7 Fall 2020: 4.8 Fall 2018: 4.5 Fall 2016: 4.5 Fall 2014: 4.7
***SHS 590/790 <i>Responsible Conduct of Research</i> This online/in-person hybrid course required for MS in Auditory and Language Neuroscience students meets	Fall 2024: report not yet available Fall 2022: 4.9 Fall 2021: report not available

the requirements for NIH trainees' responsible conduct of research training and also covers academic integrity issues related to research, teaching, and being a student. 1 credit	Fall 2020: no instructor-specific questions included in survey for unknown reason (overall effectiveness of course = 4.6) Fall 2019: 5.0 Fall 2018: 4.9
SHS 790 Writing Group This practicum style writing graduate course provides PhD students the opportunity to improve their scientific writing and editing skills.	Spring 2022: 4.9
***SHS 790 Speech and Hearing Science Colloquium	Fall 2020: no responses
***SHS 598 Trends in Communication Neuroscience This graduate level course features weekly student-led debates and discussions of opposing sides of theoretical controversies or conflicting findings in the field of communication neuroscience. 3 credits	Fall 2015: 4.9

Additional Coursework

Co-Coordinator, Advanced Research Experience Seminar (ARES): 2019-

The Advanced Research Experience Seminar (ARES) in Speech and Hearing Science is a competitive program to provide hands-on research experience to undergraduates with strong academic records. Students register for a 3 unit course and complete a year-long independent research project under the guidance of a faculty member. My fellow co-coordinator and I are responsible for the application review, organizing interviews and lab placements, and coordinating a poster presentation event. We also meet with the ARES students twice each semester to provide instruction on best practices for presenting research.

Responsible Conduct of Research Workshop: Fall 2015, Fall 2016

Developed and taught this semester-long online/in-person hybrid workshop required for Speech and Hearing Science doctoral students meets the requirements for NIH trainees' responsible conduct of research training. (Not designated as a course, but a requirement for students equivalent to a one-credit course).

Academic Integrity Workshop: Spring 2016, Spring 2017

Developed and taught this semester-long online/in-person hybrid workshop required for Speech and Hearing Science doctoral students explores issues related to research and classroom academic integrity. (Not designated as a course, but a requirement for students equivalent to a one-credit course).

Graduate Program Development

Lead developer, 4+1 program for BS in Speech and Hearing Science and MS in Auditory and Language. Approved in 2022.

Co-developer, MS in Auditory & Language Neuroscience, first incoming class was Fall 2019. This master's degree trains students in basic and applied research in the fields of auditory and

language neuroscience to prepare them for doctoral-level graduate studies as well as for positions in science, health care and industry.

Lead developer, Auditory and Language Neuroscience (ALN) concentration for Speech and Hearing Science PhD. Approved in 2017, the ALN concentration provides SHS PhD students intensive training in neuroscience techniques applied to research questions in speech and hearing science.

Student Mentoring

PhD students (committee chair or co-chair):

Name & Program	Status	Graduation
Lamees Al-Hassan (Speech & Hearing Science)	Completed preliminary exam defense in Fall 2024	Expected Spring 2027
Alexis Basciano (Speech & Hearing Science)	Completed comprehensive exams in Fall 2022	Expected Spring 2025
Shuyi Zhu (Neuroscience: primary co-chair: Ashley Stokes)	On-track 2 nd year student	Expected Spring 2027
Haoze Zhu (Speech & Hearing Science)	Defended dissertation in Summer 2024; postdoctoral fellow at Indiana University School of Medicine	July 2024
Elizabeth Keeling (Neuroscience: primary co-chair: Ashley Stokes)	Defended dissertation in Fall 2024; seeking post-doc	December 2024
Arianna LaCroix (Speech & Hearing Science)	defended dissertation March 2019; tenure-track assistant professor at Purdue University	May 2019
Megan Fitzhugh (Neuroscience)	defended dissertation April 2019; research assistant professor at the University of California, San Diego School of Medicine	May 2019

PhD students (member of dissertation & comprehensive exam committees):

Name & Program	Status
Zoe Swann (Neuroscience)	Graduated Spring 2023
Melissa Walsh (Speech & Hearing Science)	Graduated Spring 2022
Jennapher Van Gilder (BMHS Engineering)	Graduated Fall 2021
Katherine Hebert (Psychology)	Graduated Summer 2019
Beatriz Barragan (Speech & Hearing Science)	Graduated May 2018

PhD students (member of comprehensive exam committee or preliminary exam committee):

Name & Program	Status

Emily Tesch (Speech and Hearing Science)	Expected Graduation Spring 2027
Shogo Honda (Speech and Hearing Science)	Expected Graduation May 2026
Stephen Walenchok (Psychology)	Graduated May 2018
Shauna Baker (Speech and Hearing Science)	Leave of absence
Karen Gallagher (Speech and Hearing Science)	Graduated May 2018

Masters students (chair of thesis committee or applied project committee):

Name & Program	Status	Graduation
Surbhi Mendhe (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2024	Spring 2024
Amy Gomez (Auditory & Language Neuroscience)	Graduated; completed applied project in Spring 2024	Spring 2024
Alexandra Lewis (Auditory & Language Neuroscience)	Graduated; completed applied project in Summer 2023	Summer 2023
Madilyn Majors (Communication Disorders)	Graduated; defended thesis in Spring 2023	Spring 2023
Lalaine Dungca (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2023	Spring 2023
Mallory Wojtaszek (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2022	Spring 2022
Yi-Ting Hsueh (Auditory & Language Neuroscience)	Graduated; Defended thesis in Spring 2021	Spring 2021
Julia Cai (Communication Disorders)	Graduated; Defended thesis in Spring 2016	Spring 2016
Arianna LaCroix (Communication Disorders)	Graduated; Defended thesis in Spring 2015	Spring 2015

Masters students (member of thesis or applied project committee):

Name & Program	Status	Graduation
Miranda Enders (Auditory & Language Neuroscience)	Graduated; Successfully completed applied project in Fall 2024	Fall 2024
Anuradha Sreedhar (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2024	Spring 2024
Lamees Al-Hassan (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2023	Spring 2023
Leslie Feldman (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2023	Spring 2023

Schuyler Vink (Auditory & Language Neuroscience)	Graduated; defended thesis in Summer 2022	Summer 2022
Gabrielle Stanley (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2022	Spring 2022
Nicolas Guerithault (Auditory & Language Neuroscience)	Graduated; defended thesis in Spring 2021	Spring 2021
Shae Diaz (Biomedical Engineering)	Graduated; Successfully completed applied project in Spring 2021	Spring 2021
Kimiya Kasraeian (Auditory & Language Neuroscience)	Graduated; Defended thesis in Spring 2021	Spring 2021

Undergraduate Barrett Honors Students (committee chair):

Name & Program	Graduation
Isabelle Ugarte (Neuroscience; Speech and Hearing Science minor)	May 2024
Madi Pettijohn (Speech and Hearing Science)	May 2022
Sadie Wold (Speech and Hearing Science)	May 2021
Vishnu Karthigeyan (Biological and Health Systems Engineering)	May 2021
Migail Graves (Exercise and Wellness)	May 2020
Cassandra Rehwalt (Speech and Hearing Science)	May 2019
Nicole Blumenstein (School of Music)	May 2017
Chloe Houlihan (Biological and Health Systems Engineering)	May 2017
Soren Mickelsen (Speech and Hearing Science)	May 2016

Undergraduate Barrett Honors students (member of thesis committee):

Name & Program	Graduation
Rachel Gringorten (Speech and Hearing Science)	May 2023
Nathan Tesman (Biomedical Engineering)	May 2023
Isaac Duran (Biomedical Sciences)	May 2020
Ariana Lukowiak (Speech and Hearing Science)	May 2020
Allison Daugherty (Speech and Hearing Science)	Dec 2020

Lacey Fitzgerald (Speech and Hearing Science)	May 2019
Peter Whitehead (Psychology)	Spring 2016

Undergraduate Advanced Research Experience students (research supervisor):

The Advanced Research Experience Seminar (ARES) in Speech and Hearing Science is a competitive program to provide hands-on research experience to undergraduates with strong academic records. Students complete a year-long independent research project under the guidance of a faculty member. The scope of the project is equivalent to that of an honors' thesis and is presented at a college-wide research poster symposium.

Name & Program	Graduation
Karin Crim (Speech and Hearing Science)	Expected May 2025
Cara Davidson (Speech and Hearing Science)	May 2023
Brandon Gray (Theater)	May 2021
Zulfa Alaaf (Speech and Hearing Science)	May 2020
Cassandra Rehwalt (Speech and Hearing Science)	May 2019
Lisa Johnson (Speech and Hearing Science)	May 2017
Julia Cai (Speech and Hearing Science)	May 2016

Additional Mentoring and Teaching Affiliations and Activities:

- 2018- Guest Lecturer on Speech and Language, NEU/BME 55: Human Systems Neuroscience
- 2013- Faculty, Interdisciplinary Graduate Program in Neuroscience, School of Life Sciences, ASU
- 2013- Affiliated Faculty, Department of Psychology, ASU

SERVICE

Internal:

University-wide:

- 2024 Reviewer, Institute of Social Science Research Seed Grant
- 2020, 2024 Reviewer, Graduate College's Outstanding Faculty Mentor Awards
- 2020-2024 Reviewer, Graduate College's Graduate Completion Fellowship
- 2022-2023 Member, Interdisciplinary Neuroscience Curriculum Committee
- 2019-2020 Member, Ad Hoc Interdisciplinary Neuroscience Faculty Search Committee
School of Life Sciences

2018,19,22 Member, Graduate College's ARCS Faculty Review Committee
 2014-2017 Member, Executive Committee of the Interdisciplinary Graduate Program in Neuroscience

College of Health Solutions:

2019- Member, MS in Auditory and Language Neuroscience Program Committee
 2014- Member, Speech and Hearing Science PhD Admissions and Program Committee
 2023 Co-Chair, Veteran Health Faculty Search Committee
 2023 Member, Ad Hoc Annual Review Committee
 2020-2023 Member, Personnel Committee
 2020-2023 Member, Faculty Awards Committee
 2020-2022 Ad Hoc Member, Grant Review Committee
 2021-2022 Member, Speech and Hearing Science Personnel Committee
 2020-2021 Member, Speech and Hearing Science Academic Program Review Committee
 2019 College of Health Solutions Faculty Service Award
 2019-2020 Member, Personnel (Ad Hoc Annual Review: Tenure/Tenure Track) Committee
 2018 JumpStart Grant Reviewer
 2018-2019 Co-Coordinator, Auditory & Language Neuroscience Master's Degree Program
 2014-2016 Member, Ad Hoc Speech and Hearing Science Faculty Search Committee

External:

Editorships:

2015- Associate Editor, Auditory Cognitive Neuroscience Section, *Frontiers in Psychology*

Grant Review:

2024 Ad Hoc Reviewer, NIH NIDCD, Clinical Research Grant (P50)
 2023,2024 Reviewer, Arizona Biomedical Research Centre, Investigator Grants and New Investigator Awards
 2018-20,23 Reviewer, National Science Foundation
 2019 Ad Hoc Reviewer, NIH, Language and Communication (LCOM) Study Section
 2016 Ad Hoc Reviewer, NIH, Sensation, Perception & Cognition (SPC) Study Section
 2015 Reviewer, Vienna (Austria) Science and Technology Fund

Service to Professional Organizations:

2014, 2021 Abstract Review Committee, Society for Neurobiology of Language Conference
 2015-2020 Elected Member of the Symposium Committee for the Cognitive Neuroscience Society Meeting (5 year term)
 2015 Abstract Review Committee, 2015 Human Brain Mapping Conference

Reviews for Journals:

2013- Ad hoc Reviewer:
Journal of Neuroscience

Cortex
Scientific Reports
Cognition
Psychonomic Bulletin & Review
Cerebral Cortex
Journal of Neurophysiology
Neuropsychologia
Journal of Cognitive Neuroscience
Human Brain Mapping
Brain and Language
Language, Cognition & Neuroscience
European Journal of Neuroscience
NeuroImage
Journal of Speech, Language, and Hearing Research
Brain and Cognition
Aphasiology
Brain Structure and Function
Frontiers in Neuroscience

PROFESSIONAL AFFILIATIONS

Member, Society for the Neurobiology of Language
Member, Society for Neuroscience
Member, Cognitive Neuroscience Society
Member, Organization for Human Brain Mapping
Non-Certified Member, American Speech-Language-Hearing Association