

Curriculum Vitae

Sahil Luthra

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EDUCATION

University of Connecticut	2016 - Present
Ph.D, Psychology (Language and Cognition)	<i>Expected 2021</i>
M.S., Psychology (Language and Cognition)	2019
Thesis title: The influence of sentence context on phonetic recalibration	
Brown University	2010-2014
B.S., Cognitive Neuroscience	

HONORS AND AWARDS

NSF Graduate Research Fellow	2018-2021
NSF Research Traineeship (Science of Learning & Art of Communication)	2018-2021
Jorgensen Scholarship, University of Connecticut	2018-2021
NSF IGERT Fellow (Language Plasticity)	2016-2018
Premium for Excellence in Cognitive Neuroscience, Brown University	2014
Royce Fellow, Brown University	2012
August P. Reccord Scholarship, Brown University	2010-2014
Eagle Scout Scholarship, Frank Livermore Trust	2010-2014
National Merit Scholarship	2010

ACADEMIC EMPLOYMENT

Brown University, Research Assistant	2014-2016
PI: Emily Myers (University of Connecticut); Co-Investigator: Sheila Blumstein	
Boston University, Research Assistant	2013
PI: Swathi Kiran	

PUBLICATIONS

Peer-Reviewed Articles (In progress)

1. **Luthra, S.**, Saltzman, D., Myers, E. B., & Magnuson, J. S. Listener expectations and the perceptual accommodation of talker variability: A pre-registered replication. *Attention, Perception & Psychophysics*. Accepted.
2. **Luthra, S.**, You, H., & Magnuson, J. S. Friends in low-entropy places: Orthographic neighbor effects on visual word identification differ across letter positions. Under review.
3. **Luthra, S.**, Correia, J. M., Kleinschmidt, D. F., Mesite, L. & Myers, E. B. Lexical information guides retuning of neural patterns in perceptual learning of speech. Under review.
4. **Luthra, S.**, Magnuson, J. S., & Myers, E. B. Boosting lexical support does not enhance lexically guided perceptual learning. Under review.

Peer-Reviewed Articles (Published)

1. Magnuson, J. S., You, H., **Luthra, S.**, Li, M., Nam, H., Escabi, M., Brown, K., Allopenna, P. D., Theodore, R. M., Monto, N., & Rueckl, J. EARSHOT: A minimal neural network model of incremental human speech recognition. *Cognitive Science*. In press.
2. **Luthra, S.**, Fuhrmeister, P., Molfese, P. J., Guediche, S., Blumstein, S. E., & Myers, E. B. (2019). Brain-behavior relationships in incidental learning of non-native phonetic categories. *Brain & Language, 198*.
3. **Luthra, S.**, Guediche, S., Blumstein, S. E., & Myers, E. B. (2019). Neural substrates of subphonemic variation and lexical competition in spoken word recognition. *Language, Cognition & Neuroscience, 34*(2), 151-169.
4. **Luthra, S.**, Fox, N. P., & Blumstein, S. E. (2018). Speaker information affects false recognition of unstudied lexical-semantic associates. *Attention, Perception & Psychophysics, 80*(4), 894-912.
5. Magnuson, J. S., Mirman, D., **Luthra, S.**, Strauss, T., & Harris, H. (2018). Interaction in spoken word recognition models: Feedback helps. *Frontiers in Psychology, 9*, 1-18.
6. Theodore, R. M., Blumstein, S. E., & **Luthra, S.** (2015). Attention modulates specificity effects in spoken word recognition: Challenges to the time-course hypothesis. *Attention, Perception & Psychophysics, 77*(5), 1674-1684.

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Presentations

1. **Luthra, S.**, Steiner, R. J., Magnuson, J. S., & Myers, E. B. The influence of sentence context on lexically guided perceptual learning. Psychonomic Society, Montréal, QC, November 2019.
2. **Luthra, S.**, Correia, J. M., Kleinschmidt, D. F., Mesite, L. & Myers, E. B. Lexical information guides retuning of neural patterns in perceptual learning of speech. Society for Neurobiology of Language, Helsinki, Finland, August 2019.
3. Magnuson, J., S., You, H. Rueckl, J., Allopenna, P. D., Li, M. Y. C., **Luthra, S.**, Steiner, R. J., Escabi, M., Brown, K., Theodore, R. M., & Monto, N. EARSHOT: Emulating Auditory Recognition of Speech by Humans Over Time. Society for Neurobiology of Language, Helsinki, Finland, August 2019.
4. Magnuson, J., S., You, H. Rueckl, J., Allopenna, P. D., Li, M. Y. C., **Luthra, S.**, Steiner, R. J., Escabi, M., Brown, K., Theodore, R. M., & Monto, N. EARSHOT: A minimal model of human speech recognition (HSR) that operates on real speech. Cognitive Science Society, Montréal, QC, July 2019.
5. **Luthra, S.**, You, H., & Magnuson, J. S. Orthographic neighbor effects on visual word identification differ across letter positions. Psychonomic Society, New Orleans, LA, November 2018.
6. Li, M. Y. C., You, H., **Luthra, S.**, Steiner, R. J., & Magnuson, J. S. Predictive processing in computational models of spoken word recognition. Psychonomic Society. New Orleans, LA, November 2018.
7. **Luthra, S.**, & Magnuson, J. S. Friends in low-entropy places: Letter position influences orthographic neighbor effects in visual word identification. Cognitive Science Society, Madison, WI, July 2018.
8. Magnuson, J. S., Li, M. Y. C., You, H., **Luthra, S.**, & Steiner, R. J. Predictive processing in computational models of spoken word recognition. Workshop on Predictive Processing. Donostia-San Sebastián, Spain, June 2018.
9. **Luthra, S.**, Fuhrmeister, P., Molfese, P. J., Guediche, S., Blumstein, S. E., & Myers, E. B. Brain-behavior relationships in implicit learning of non-native phonetic categories. Society for Neurobiology of Language. Baltimore, MD, November 2017.

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10. **Luthra, S.**, & Magnuson, J. S. Cumulative response probabilities: Estimating time course of lexical activation from single-point response times. Cognitive Science Society, London, UK, July 2017.
11. **Luthra, S.**, Fuhrmeister, P., Guediche, S., Blumstein, S. E., & Myers, E. B. Neural correlates of task-irrelevant perceptual learning of non-native speech sounds. Psychonomic Society. Boston, MA, November 2016.
12. **Luthra, S.**, Guediche, S., Blumstein, S. E., & Myers, E. B. Effects of phonetic category structure on brain activity during word recognition. Society for Neurobiology of Language. London, UK, August 2016.
13. **Luthra, S.**, Fox, N. P., & Blumstein, S. E. Speaker information affects false recognition of unstudied lexical-semantic associates. Society for Neurobiology of Language. Chicago, IL, October 2015.
14. Myers, E. B., Theodore, R. M., & **Luthra, S.** Neural encoding of talker-specific phonetic variation. Society for Neurobiology of Language. Chicago, IL, October 2015.

TEACHING EXPERIENCE

Instructor of Record

PSYC 3500: Psychology of Language Fall 2019

Guest Lectures

PSYC 2501: Cognitive Psychology October 2017

SLHS 3247: Introduction to Phonetic Principles December 2016

Workshop Presentations

Data Visualization (UConn "J-Term" Primers) January 2020

Advanced Neuroimaging Techniques (UConn "J-Term" Primers) January 2019

OUTREACH

Editor-in-Chief – Brain, Cognition and Language Digest 2018-2019

Connecticut Institute for Brain and Cognitive Sciences

Language Science for Everyone, AAAS Family Science Days February 2017

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SERVICE

“J-Term” Committee for Neurobiology of Language / Science of Learning & Art of Communication programs	2019-2020
Academic Committee for Neurobiology of Language / Science of Learning & Art of Communication programs	2016-Present
Events Committee for Neurobiology of Language / Science of Learning & Art of Communication programs	2016-2018
Student Organizer, Language & Cognition Brown Bag	2017-Present
Student Organizer, Neurobiology of Language “Talk Shop”	2016-2017

Ad hoc reviewer

Journal of Cognitive Psychology; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of Memory and Language; Journal of Neuroscience; Quarterly Journal of Experimental Psychology

PROFESSIONAL AFFILIATIONS

Cognitive Science Society, Psychonomic Society, Society for Neurobiology of Language

SKILLS

- fMRI/DTI (proficient with AFNI, FreeSurfer/Tracula, SPM/MATLAB, TORTOISE)
- TMS
- Eyetracking (proficient with EyeLink)
- Acoustic analysis (proficient with Praat, STRAIGHT)
- Experiment programming (proficient with E-Prime, JSPsych, MATLAB/Psychtoolbox, PsychoPy, Python, Open Sesame)
- Statistics (proficient with R, SPSS)
- Languages – English (native fluency), Spanish (professional fluency), Hindi (intermediate skill)