

DAVID IAN SALTZMAN

NIH Ruth L. Kirschstein National Research Service Award (NRSA) Fellow

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Education

- 2018 - Present **PhD, Psychological Sciences**
University of Connecticut, Storrs, CT
Perception, Action, and Cognition
Language & Cognition
Advisor: Emily Myers, PhD & James Magnuson, PhD
Masters Thesis: *Neural representation of articlable and inarticlable novel sound contrasts: the role of the dorsal stream* (Awarded May 2020)
- 2014 - 2016 **M.S., Experimental Psychology**
Villanova University, Villanova, PA
Thesis Advisor: Joseph Toscano, PhD
Thesis: *The role of the speech envelope in speaking rate compensation*
- 2009 - 2013 **B.A., Psychology**
Providence College, Providence, RI
Magna Cum Laude

Research Experience

- 2018 - Present **Computational Cognitive Neuroscience of Language Laboratory**
Graduate Student
University of Connecticut
Department of Psychological Sciences
Principal Investigator: Dr. James Magnuson
- 2016 - Present **Language and Brain (LAB) Laboratory**
Graduate Student (2018 - present)
Lab Manager (2016-2018)
University of Connecticut
Department of Speech, Language, & Hearing Sciences
Principal Investigator: Dr. Emily Myers
- 2014 - 2016 **Word Recognition and Auditory Perception (WRAP) Laboratory**
Thesis Student
Villanova University
Department of Psychology
Principal Investigator: Dr. Joseph Toscano
- 2015 - 2016 **Early Child Development Laboratory**
Graduate Assistant
Villanova University
Department of Psychology
Principal Investigator: Dr. Pamela Blewitt

Publications

Canfield, A., Castelluccio, B., **Saltzman, D.**, & Eigsti, IM. Comprehension of Gestures in Adults with Autism Spectrum Disorder: Gesture-Speech Incongruence. *Cognition* (Under revision).

Heffner, C. C., Fuhrmeister, P., Luthra, S., Mechtenberg, H., **Saltzman, D.**, & Myers, E. B. (2022). Reliability and validity for perceptual flexibility in speech. *Brain and Language*, 226, 105070.

Saltzman, D., Luthra, S., Myers, E.B., Magnuson, J.S. (2021). Attention, task demands, and multi-talker processing costs in speech perception. *Journal of Experimental Psychology: Human Perception and Performance*, 47(12).

Luthra, S., Peraza-Santiago, G., Beeson, K., **Saltzman, D.**, Crinnion, AM, & Magnuson, J. (2021) Robust lexically-mediated compensation for coarticulation: Christmash time is here again, *Cognitive Science*, 45(4).

Luthra, S., **Saltzman, D.**, Myers, E.B., & Magnuson, J.S. (2021). Listener expectations and the perceptual accommodation of talker variability: A pre-registered replication. *Attention, Perception, & Psychophysics*, 1-10.

Saltzman, D., & Myers, E. (2021). Listeners are initially flexible in updating phonetic beliefs over time. *Psychonomic Bulletin & Review*, 1-11. (Replacement of Saltzman & Myers, 2018).

Magnuson, J.S, Nusbaum, H., Akahane-Yamada, R., & **Saltzman, D.** (2021). Talker familiarity and the accommodation of talker variability. *Attention, Perception, & Psychophysics*, 1-19.

Saltzman, D. I., & Myers, E. B. (2020). Neural representation of articulable and inarticulable novel sound contrasts: The role of the dorsal stream. *Neurobiology of Language*, 1(3), 339-364. https://doi.org/10.1162/nol_a_00016

Saltzman, D., & Myers, E. (2018). Listeners are maximally flexible in updating phonetic beliefs over time. *Psychonomic bulletin & review*, 25(2), 718-724. (Authors retracted after discovering an error).

Awards

Ruth L. Kirchstein National Research Service Award (NRSA) F31, National Institute on Deafness and Other Communication Disorders (2021)

Science of Learning and Art of Communication Fellowship, National Science Foundation, University of Connecticut (Fall 2019)

Excellence in Teaching, University of Connecticut, University of Connecticut (Fall 2020)

Science of Learning and Art of Communication Innovation Funds, University of Connecticut (Fall 2019)

Graduate Studies Travel Award, Villanova University (Fall 2015, Spring 2016, Fall 2016)

Graduate Student Summer Research Fellowship, Villanova University (Summer 2016)

Posters, Presentations, and Seminars

Peraza-Santiago, G., Beeson, K., Luthra, S., **Saltzman, D.**, Crinnion, AM, Magnuson, J. Robust Lexically-Mediated Compensation for Coarticulation (LCfC) Supports Feedback in Spoken Word Recognition. Presented as a poster at Psychonomics 2020.

Grubb, S., Dalal, P., Daniel, J., Peraza-Santiago, G., Luthra, S., **Saltzman, D.**, Xie, B., Crinnion, AM., & Magnuson, J.S. Talkers, time, tasks, and similarity in spoken word recognition. Presented as a poster at Psychonomics 2020.

Saltzman, D., Luthra, S., Myers, E., & Magnuson, J. Multi-Talker Processing Costs in Monitoring Reflect Task Demands, Not Normalization. Presented as a poster at Psychonomics 2020.

Saltzman, D. *Building a professional web presence as a graduate student.* Workshop given at UConn Science of Learning and Art of Communication J-Term series.

Saltzman, D., & Myers, E. (2019). The Role of Articulation in Acquiring New Speech Sounds: A Multivariate fMRI Study. Presented as a poster at Psychonomics 2019.

Rothermich, K., **Saltzman, D.**, Xie, X., & Myers, E.B. (2017). Sensitivity to phonetic competition in people with aphasia. Presented as a poster at SNL 2017.

Saltzman, D., Rothermich, K, & Myers, E.B. (2017) Dynamic adaptation during lexically-guided perceptual learning in people with aphasia. Presented as a poster at SNL 2017.

Saltzman, D., Myers, E.B. (2017). Task difference do not impede overall learning when adapting to a novel sound. Presented as a poster at ASA 2017.

Saltzman, D., Myers, E.B. (2016). Individual differences in dynamic adaptation during lexically-guided perceptual learning. Presented as a poster at APCAM 2016.

Saltzman, D., Rhone, A.E., McMurray, B., & Toscano, J.C. (2016). Listeners use sentential rate, not envelope information, to compensate for changes in rate during spoken word recognition. Presented as a poster at Psychonomics 2016.

Saltzman, D., Rhone, A.E., McMurray, B., & Toscano, J.C. (2015). Artificially natural: Creating carefully-controlled acoustic cue continua from natural speech. Presented as a poster at APCAM 2015.

Professional References

Dr. Emily Myers

Relationship: Doctoral mentor

Title: Professor

Department of Psychological Sciences, University of Connecticut

Department of Speech, Language, & Hearing Sciences, University of Connecticut

Email: emily.myers@uconn.edu

Phone: (860) 486-2630 (office)

Dr. James Magnuson

Relationship: Doctoral mentor

Title: Professor

Department of Psychological Sciences, University of Connecticut

Email: james.magnuson@uconn.edu

Phone: (860) 486-3525 (office)

Dr. Joseph Toscano

Relationship: Masters thesis adviser

Title: Associate Professor

Department of Psychology, Villanova University

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Phone: (610) 519-4755 (office)