Seth Koslov

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Education

Ph.D., Psychology (*expected 2020*)
The University of Texas at Austin
Neuroimaging Track in Psychology (in progress)
Advisor: Jarrod Lewis-Peacock, Ph.D.

B.A., Plan II Liberal Arts Honors Program (2012)
University of Texas at Austin
Pre-Medical Course Route
Honors Thesis: *Pitch, Space, and the Brain*
Advisors: Bharath Chandrasekaran, Ph.D., and Art Markman, Ph.D.

Research Experience

Graduate Research Assistant **August 2015-Present**
The Lewis-Peacock Cognitive Neuroscience of Memory Lab
Director: Jarrod Lewis-Peacock, Ph.D.
University of Texas at Austin
Department of Psychology, Imaging Research Center, Center for Learning & Memory

Graduate Research Assistant **August 2015-August 2017**
Learning and Decision-Making Lab
Director: Christopher Beevers, Ph.D.
University of Texas at Austin
Institute of Mental Health Research

Graduate Research Assistant **August 2015-August 2017**
SoundBrain Lab
Director: Bharath Chandrasekaran, Ph.D.
University of Texas at Austin
Communication Sciences and Disorders and the Department of Psychology

Lab Manager **July 2012 – August 2015**
The Laboratory for the Cognitive Neuroscience of Categorization and Decision Making
Director: W. Todd Maddox, Ph.D.
University of Texas at Austin
Department of Psychology

Research Assistant **2010-2012**
SoundBrain Lab
Director: Bharath Chandrasekaran, Ph.D.
University of Texas at Austin
Communication Sciences and Disorders and the Department of Psychology

Publications

Koslov, S.R., Lewis-Peacock, J.A. (In Prep). Cognitive Flexibility Improves Memory for Delayed Intentions.

Koslov, S.R., Han, Y.C., Chandrasekaran, B. (In Prep). Regulatory Fit Effects in Speech Category Learning.

Pearson, R.H., **Koslov, S.**, Hamilton, B., Shumake, J., Carver, C.C., Beevers, C.G. (2018). Acetaminophen Enhances the Reflective Learning Process. *Social Cognitive and Affective Neuroscience*. 13(10), 1029-1035.

Maddox, W.T., **Koslov, S.**, Yi, H., Chandrasekaran, B. (2016). Performance Pressure Enhances Speech Learning. Applied Psycholinguistics, 37(6), 1369-1396.

Maddox, W.T., Gorlick, M.A, **Koslov, S.**, McGeary, J.E., Knopik, V.S., & Beevers, C.G. (2015). Serotonin transporter genetic variation is differentially associated with reflexive- and reflective-optimal learning. Cerebral Cortex. DOI: 10.1093/cercor/bhv309

Maddox, W.T., Chandrasekaran, B., Smayda, K., Yi, H., **Koslov, S.,** Beevers, C.G. (2014). Elevated Depressive Symptoms Enhance Reflexive but not Reflective Auditory Category Learning. Cortex. 58, 186-198.

Chandrasekaran, B., **Koslov, S.**, Maddox, W.T. (2014). Toward A Dual-Learning Systems Model of Speech Category Learning. Frontiers in Psychology. 5(825), 1-17.

Posters

Koslov, S., Hedgpeth, K., & Lewis-Peacock, J. Changing Cognitive Control for Prospective Memory in Dynamic Environments. Poster presented at the Society for Neuroscience Annual Meeting, San Diego, CA, November 2018.

Koslov, S. & Lewis-Peacock, J. Adaptive Cognitive Flexibility Improves both Prospective and Long-Term Remembering. Poster presented at the Society for Neuroscience Annual Meeting, Washington, DC, November 2017.

Koslov, S. & Lewis-Peacock, J. Fluid and Adaptive Changes of Prospective Memory Control. Poster presented at the 17th Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL, May 2017.

Koslov, S. & Lewis-Peacock, J. Cognitive Flexibility Improves Both Prospective and Long-Term Remembering. Poster presented at the Austin Conference on Learning & Memory, Austin, TX, April 2017.

Koslov, S., Sapuram, V., Cooper, J., Capanzana, J., Gorlick, M., Maddox, W.T. Stress Attenuates Valence Driven Deficits in Decision-Making. Poster presented at the 23rd Annual Meeting of the Cognitive Neuroscience Society, New York City, NY, April 2016.

Han, Y.C., **Koslov, S.**, Maddox, W.T., Chandrasekaran, B. Motivation and Speech Category Learning: A Dual-Learning Systems Approach. Poster presented at the 23rd Annual Meeting of the Cognitive Neuroscience Society, New York City, NY, April 2016.

Yi, H. **Koslov, S. R.**, Maddox, W. T., & Chandrasekaran, B. Mapping the auditory corticostriatal pathway in humans using diffusion tensor imaging. Poster to be presented at the Association for Research in Otolaryngology 2016 MidWinter Meeting, San Diego, CA, February 2016.

Yi, H. **Koslov, S. R.**, Maddox, W. T., & Chandrasekaran, B. Corticostriatal white matter connectivity predicts speech category learning success. Poster presented at the 7th Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL, October 2015.

Koslov, S.R., Blanco, N.J., Maddox, W.T., Chandrasekaran, B. Using Real-Time Computational Modeling to Individually Optimize Tone Category Learning. Poster presented at the 37th Annual Conference of the Cognitive Science Society, Pasadena, CA, July 2015.

Koslov, S., Chandrasekaran, B., and Maddox, W.T. Performance Pressure Enhances Novel Speech Category Learning. Poster to be presented at the Auditory Perception, Cognition, and Action Meeting, Long Beach, California, November 2014.

Chandrasekaran, B., **Koslov, S.**, Luther, E., Ress, D. High-resolution imaging reveals tonotopic organization in human auditory midbrain. Poster presented at the Cognitive Neuroscience Society annual conference, Chicago, Illinois, April 2012.

Presentations

Koslov, S.R. Managing cognitive control for prospective memory in dynamic environments. Center for Learning and Memory Annual Retreat, Austin, TX, November, 2018.

Koslov, S.R. Managing cognitive control for prospective memory in dynamic environments. Society for Neuroscience Annual Meeting, San Diego, CA, November, 2018.

Koslov, S.R. Dynamics of Prospective Memory. Cognitive Neuroscience and Biomedical Imaging Center Seminar, September, 2017.

Koslov, S.R. Dynamics of Prospective Memory. Dallas & Austin Area Memory Meeting, September, 2017.

Awards

Provost Graduate Excellence Fellowship 2015-2020
Professional Development Award, Spring 2015, Spring 2017, Fall 2018
Society for Neuroscience Trainee Professional Development Award, Fall 2018
Accepted to Methods in Neuroscience at Dartmouth Computational Summer School, Summer 2017

Clubs and Societies

University of Texas Psychology Graduate Diversity Committee Member
Cognitive Neuroscience Society (CNS) Member
Vision Sciences Society (VSS) Member
Society for Neuroscience (SfN) Member
Methods and Experiments in ReaLtime Imaging and Neurofeedback (MERLIN) Group Member
Working and Long-Term Memory Journal Club Member – UT Austin
Computational Neuroimaging Journal Club Member – UT Austin

Mentoring

Student Mentees:
Abigail Hanna: The Effect of Childhood Trauma on Explicit and Implicit Category Learning.
- Undergraduate Research Fellowship Award: $1000
- Poster presented at University of Texas Psychology Honors Society Poster Session, Spring 2016
- Current Doctoral Student, Psychology, University of Houston

Vaibhav Sapuram: The Effects of Stress on Reflexive Processing
- Undergraduate Research Fellowship Award: $1000
- Presented at University of Texas Psychology Honors Society Poster Session, Spring 2015
- Current Doctoral Student, Psychology, University of North Carolina at Greensboro

Yuan Han: Effects of Emotion on Speech Category Learning
- Undergraduate Research Fellowship Award: $1000
- Doctoral Student, Psychology, Northwestern University

Bettina Bustos: The Interaction of Depression and Cognitive Control on Prospective Memory
- Undergraduate research project in progress
- Current Research Assistant: Behavioral Physiology Lab, University of Pittsburgh

Bahareh Sharafi: Intellectual Entrepreneurship Pre-Grad Intern
- Project Title: A Comprehensive Meta-Analysis of Gender Driven Differences in Visual-Spatial Working Memory

Landry Bulls: Transcranial Infrared Neural Stimulation and Cognitive Control
- Undergraduate Research Fellowship Award: $600
- Current Research Assistant: Lewis-Peacock Lab

Roles:
Instructor for the Coding Club for Research Assistants in the Lewis-Peacock Lab (2015 – Present)
Mentor through the Intellectual Entrepreneurship (IE) Pre-Graduate School Internship (2017)

Programs, Languages, and Skills

Programming: MATLAB (Psychtoolbox 2.54 & 3), Python, E-Prime, Experiment Builder and Eye-Link
Analysis: FSL, ANTs, R, Audacity, PRAAT, Category Learning Computational Modeling, Reinforcement Learning Computational Modeling, Multivariate Pattern Analyses
- Experience with: AFNI, SUMA, and SPM neuroanalysis tools

Qualifications: Texas Advanced Computing Center User, MRI User (Siemens 3T scanner), e-Mini-International Neuropsychiatric Interview, Low-Level Light Therapy Technique