

Jon Strunk

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EDUCATION

M.S.	Cognitive Psychology Georgia Institute of Technology	2015
B.A.	Experimental Psychology University of California at San Diego	2010

ACADEMIC EMPLOYMENT HISTORY

Graduate Research Assistant	Georgia Institute of Technology	2012 - present
Research Assistant	Scripps Research Institute	2010 - 2012
Research Assistant	University of California at San Diego	2009 - 2012

FIELDS OF INTEREST

Cognitive Psychology / Neuroscience
Cognitive Aging
Neuroimaging Methods
Episodic Memory
Cognitive Control
Attention

PUBLICATIONS

- Strunk, J., Duarte, A., (In Prep). Age-related changes in oscillatory signals during contextual memory retrieval. *Cortex*.
- Strunk, J., Duarte, A., (In Prep). Beta, Alpha and Theta Activity in Young and Old Adults during Episodic Memory Encoding and Preparation.
- James, T., Strunk, J., Arndt, J., Duarte, A., (2016). Age-related deficits in selective attention during encoding increase demands on episodic reconstruction during source retrieval: an ERP study. *Neuropsychologia*.
- Reaves, S., Strunk, J., Verhaeghen, P., Duarte, A., (2016). The lasting memory enhancements of retrospective attention. *Brain Research*. Pp 226-237. doi: 10.1016/j.brainres.2016.03.048
- Strunk, J (2015). Age related changes in preparation of encoding (Master's thesis). Retrieved from <http://hdl.handle.net/1853/53385>
- George, J. S., Strunk, J., Mak-McCully, R., Houser, M., Poizner, H., & Aron, A. R. (2013). Dopaminergic therapy in Parkinson's disease decreases cortical beta band coherence in the resting state and increases cortical beta band power during executive control. *NeuroImage: Clinical*, 3, 9. doi: <http://dx.doi.org/10.1016/j.nicl.2013.07.013>

Swann, N., Poizner, H., Houser, M., Gould, S., Greenhouse, I., Cai, W., Strunk, J., George, J., Aron, A. R. (2011). Deep Brain Stimulation of the Subthalamic Nucleus Alters the Cortical Profile of Response Inhibition in the Beta Frequency Band: A Scalp EEG Study in Parkinson's Disease. *Journal of Neuroscience*. 31: 5721-5729

POSTERS

Strunk J, Duarte A. (April 2016) Investigating the neural correlates of preparation in source memory. Poster to be presented CABI Callosum Meeting, Atlanta, GA.

James T, Strunk J, Arndt J, Duarte A. (April 2016). *Age-Related Deficits in Selective Attention During Encoding Increase Demands on Episodic Reconstruction During Source Retrieval: An ERP Study*. Poster to be presented CABI Callosum Meeting, Atlanta, GA.

Morgan L, Strunk J, Duarte A. (April 2016). *Aging Reduces the Benefit of Spatial Retrocueing on VSTM for Complex Objects*. Poster to be presented CABI Callosum Meeting, Atlanta, GA.

Strunk J, Duarte A. (April 2016). *Prestimulus Subsequent Memory Effects in the Young and Old: A Time Frequency Analysis*. Poster to be presented at 17th annual Cognitive Aging Conference, Atlanta Ga.

Morgan L, Strunk J, Reaves S, Verhaeghen P, Duarte A. (April 2016). *Spatial retrocueing benefits on VSTM diminishes with aging*. Poster to be presented at 17th annual Cognitive Aging Conference, Atlanta Ga.

Strunk J, Duarte A. (April 2016). *In what way does preparatory cueing support source memory encoding?* Poster to be presented at 23th annual Cognitive Neuroscience Society Conference, New York NY.

James T, Strunk J, Arndt J, Duarte A. (April 2016). *Age-Related Deficits in Selective Attention During Encoding Increase Demands on Episodic Reconstruction During Source Retrieval: An ERP Study*. Poster to be presented at 23th annual Cognitive Neuroscience Society Conference, New York NY.

Morgan L, Strunk J, Duarte A. (April 2016). *Aging Reduces the Benefit of Spatial Retrocueing on VSTM for Complex Objects*. Poster to be presented at 23th annual Cognitive Neuroscience Society Conference, New York NY.

Strunk J, Duarte A. (September 2014). *Influence of Proactive Control on Subsequent Memory Performance*. Poster presented at 54th annual Society for Psychophysiological Research Conference, Atlanta Ga.

Strunk J, James T, Duarte A. (September 2014). *The Effects of Selective Attention on Source Memory Retrieval in the Young and Old*. Poster presented at 54th annual Society for Psychophysiological Research Conference, Atlanta Ga.

Reaves S, Strunk J, Verhaeghen P, Duarte A. (September 2014). *Visual Representations across Memory Systems*. Poster presented at 54th annual Society for Psychophysiological Research Conference, Atlanta Ga.

Surapaneni S, Strunk J, Duarte A. (April 2014). *Prestimulus Activity of Memory Encoding in Healthy Aging Older Adults*. Poster presented at Georgia Institute of Technology Spring UROP Symposium, Atlanta Ga.

Strunk J and Duarte A. (April 2014). *Influence of Age Shifts in Cognitive Control Strategy on Episodic memory*. Poster presented at 16th annual Cognitive Aging Conference, Atlanta Ga.

Reaves S, Strunk J, Verhaeghen P, Duarte A. (November 2013). *Retrospective Attention Facilitates Both Short and Long-term Memory: Support for a Single Memory System*. Poster presented at 43rd annual Society for Neuroscience Conference, San Diego Ca.

Cai W, Claffey M, Strunk J, Verbruggen F, Aron A. (November 2010). *How goals in working memory are used to stop selectively: Evidence from articulatory suppression and fMRI*. Poster presented at 40th annual Society for Neuroscience Conference, San Diego Ca.

PRESENTATIONS

Investigating Memory and Aging with Neural Oscillations. (February 2016). Talk presented at Georgia Institute of Technology Cognitive Aging Brown Bag.

Does Preparation Aid Memory. (November 2015). Talk presented at Georgia Institute of Technology Cognition and Brain Science Brown Bag.

Proactive Control and Memory. (February 2015). Talk presented at Georgia Institute of Technology Cognition and Brain Science Brown Bag.

Investigating a Relationship between Cognitive Control, Memory, and Aging. (September 2014). Talk presented at Georgia Institute of Technology Cognitive Aging Brown Bag.

Cognitive Control Strategy in Episodic Encoding. (March 2014). Talk presented at Georgia Institute of Technology Cognition and Brain Science Brown Bag.

Age Related Changes in Preparation of Encoding. (October 2013). Talk presented at Georgia Institute of Technology Cognitive Aging Brown Bag.

Age Related Changes in Executive Control of Episodic Memory. (April 2013). Talk presented at Georgia Institute of Technology Cognitive Aging Brown Bag.

HONORS / AWARDS

Scholarship/Fellowship (2016) Residential Care Facilities for the Elderly Authority of Fulton County