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## Curriculum Vitae

### Tal Yarkoni

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#### EDUCATION

Ph.D., Psychology, Washington University, 2003-  
Advisor: Dr. Todd Braver  
M.A., Psychology, Washington University, 2006  
B.A. (Hon.), Psychology, minor in Philosophy, Carleton University, 1999-2003  
Advisor: Dr. John Zelenski

#### AWARDS AND HONORS

Washington University Dissertation fellowship, 2008  
Fellow, Summer Institute in Cognitive Neuroscience, 2007  
Natural Sciences and Engineering Research Council of Canada (NSERC) Post Graduate  
Fellowship, 2003-2005 (declined)  
Ontario Graduate Scholarship, 2003-2004 (declined)  
Senate Medal for Outstanding Academic Achievement, Carleton University, 2003

#### PUBLICATIONS

**Yarkoni, T.**, Balota, D. A., & Yap, M. J. (in press). Beyond Coltheart's N: A new measure of orthographic similarity. *Psychonomic Bulletin & Review*.

**Yarkoni, T.**, Speer, N. K., Balota, D. A., McAvoy, M. P., & Zacks, J. M. (in press). Pictures of a thousand words: Investigating the neural mechanisms of reading with extremely rapid event-related fMRI. *NeuroImage*.

**Yarkoni, T.**, Speer, N. K., & Zacks, J. M. (in press). Neural substrates of narrative comprehension and memory. *NeuroImage*.

Schaefer, A., Braver, T.S., Reynolds, J.R., Burgess, G.C., **Yarkoni, T.**, & Gray, J.R. (2006). Individual differences in amygdala activity predict response speed during working memory. *Journal of Neuroscience*, *26*, 10120-10128.

**Yarkoni, T.**, Braver, T.S., Gray, J.R., & Green, L. (2005). Prefrontal brain activity predicts temporally extended decision-making behavior. *Journal for the Experimental Analysis of Behavior*, *84*, 537-554.

Gray, J.R., Burgess, G.C., Schaefer, A., **Yarkoni, T.**, Larsen, R.J., & Braver, T.S. (2005). Personality differences in neural processing efficiency confirmed using fMRI. *Cognitive, Affective & Behavioral Neuroscience*, *5*, 182-190.

**Yarkoni, T.**, Gray, J.R., Chrsatil, E., Barch, D.M., Green, L., & Braver, T.S. (2005). Sustained neural activity associated with cognitive control during temporally-extended decision making. *Cognitive Brain Research*, *23*, 71-84.

#### MANUSCRIPTS SUBMITTED

**Yarkoni, T.**, Gray, J. R., & Braver, T. S. Medial posterior parietal cortex activation predicts working memory performance within and across subjects. Submitted.

**Yarkoni, T.**, Conturo, T. E., Barch, D. M., Gray, J. R., & Braver, T. S. BOLD correlates of trial-by-trial response time variability: a multi-study fMRI analysis. Submitted.

#### MANUSCRIPTS IN PREPARATION

**Yarkoni, T.**, & Braver, T. S. Integrative versus affective control: neural mechanisms of cognitive control in decision-making. In preparation.

**Yarkoni, T.**, & Braver, T. S. Functional neuroimaging approaches to individual differences in working memory and executive control: Conceptual and methodological considerations. Book chapter in preparation.

**Yarkoni, T.** Facebase.org: a continuously expanding database of face norms.

#### CONFERENCE PRESENTATIONS

**Yarkoni, T.**, & Braver, T. S. (2008, April). Dissociable contributions of probability, magnitude, and expected value on decision-making. Poster presented at the 15<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

**Yarkoni, T.**, Barch, D. M., Conturo, T. E., & Braver, T. S. (2007, November). Neural correlates of trial-by-trial variability in reaction time: A multi-study analysis. Talk presented at the 37<sup>th</sup> annual meeting of the Society for Neuroscience, San Diego, CA.

**Yarkoni, T.** (2007, October). What can functional neuroimaging tell us about decision-making? Invited talk given at the Mid-American Association for Behavior Analysis 2007 meeting, Milwaukee, WI.

**Yarkoni, T.** (2007, July). Neural mechanisms of single-word processing during narrative reading. Talk given at the Tsinghua University workshop on interdisciplinary perspectives in memory and language, Tsinghua University, Beijing, China.

**Yarkoni, T.,** Barch, D. M., Conturo, T. E., & Braver, T. S. (2007, May). Neural correlates of trial-by-trial variability in reaction time: A meta-analysis. Poster presented at the 14<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, New York, New York.

**Yarkoni, T.,** Gray, J. R., & Braver, T. S. (2006, April). Precuneus activation predicts working memory performance within and across subjects. Poster presented at the 13<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Speer, N. K., **Yarkoni, T.,** & Zacks, J. M. (2006, April). Neural correlates of the processes involved in narrative comprehension and memory for narrated events. Poster presented at the 13<sup>th</sup> annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

**Yarkoni, T.,** & Barch, D. M. (2005, November). Individual differences in neural reactivity to emotional stimuli. Talk presented at the 35th annual meeting of the Society for Neuroscience, Washington, D. C.

**Yarkoni, T.,** Gray, J.R., & Braver, T.S. (2005, June). Neural mechanisms of cognitive energy and fatigue. Poster presented at the 11th annual meeting of the Organization for Human Brain Mapping, Toronto, Canada.

**Yarkoni, T.,** Braver, T.S., Schaefer, A., Burgess, G.C., & Gray, J.R. (2005, April). Beyond reward: Neural correlates of extraversion during a cognitive task. Poster presented at the 12th annual meeting of the Cognitive Neuroscience Society, New York, New York.

**Yarkoni, T.,** Gray, J., Green, L., Schaefer, A., Locke, H.S., Chrsatil, E., & Braver, T.S. (2004, October). Neural mechanisms of cognitive control predict performance in temporally-extended decision-making. Poster presented at the 34th annual meeting of the Society for Neuroscience, San Diego, California.

**Yarkoni, T.,** Gray, J., & Braver, T.S. (2004, August). Deactivation in the resting-state network predicts neuroticism and state anxiety. Poster presented at the conference on the Biological Basis of Personality and Individual Differences, Stony Brook University, New York.

**Yarkoni, T.,** & Zelenski, J.M. (2004, January). Too much emotion or too little? Modeling the relationship between alexithymia, negative affect, and verbal expressivity. Poster presented at the 5th annual meeting of the Society for Personality and Social Psychology, Austin, Texas, January 31, 2004.

## PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

### **Memberships**

Student Affiliate, Society for Neuroscience

Student Member, Cognitive Neuroscience Society

### **Ad hoc reviewer**

Nature Neuroscience

NeuroImage

Journal of Personality

Quarterly Journal of Experimental Psychology

Journal of the Experimental Analysis of Behavior

Cognitive, Affective, and Behavioral Neuroscience

Cognitive Brain Research

Brain and Cognition

Journal of Behavioral Decision Making

## SOFTWARE/TECHNICAL SKILLS

**Programming languages:** Ruby, .NET framework (VB/C#), Python, PHP/MySQL, D, Java, Javascript, HTML

**Statistics packages/environments:** R, SPSS

**fMRI analysis software:** fdl, SPM, Caret, FSL