

December, 2009

## Curriculum Vitae

### Tal Yarkoni

Department of Psychology &  
Institute of Cognitive Science  
University of Colorado at Boulder  
UCB 345  
Boulder, CO 80309  
Telephone: (314) 397-4763  
E-mail: tal.yarkoni@colorado.edu

#### EDUCATION

Ph.D., Psychology, Washington University, 2009

Advisor: Dr. Todd Braver

M.A., Psychology, Washington University, 2006

B.A. (Hon.), Psychology, minor in Philosophy, Carleton University, 2003

Advisor: Dr. John Zelenski

#### ACADEMIC POSITIONS

NRSA Post-doctoral fellow, Columbia University, 2009 – Present

#### AWARDS AND HONORS

NINR National Research Service Award (NRSA) Individual Post-Doctoral Fellowship, 2009 - 2011

Washington University Dissertation fellowship, 2008

NSF-funded travel award, Philosophy-Neuroscience-Psychology workshop at Tsinghua University, Beijing, China, 2007

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

#### PEER-REVIEWED JOURNAL ARTICLES

**Yarkoni, T.**, Barch, D. M., Gray, J. R., Conturo, T. E., & Braver, T. S. (2009). BOLD correlates of trial-by-trial reaction time variability in gray and white matter: a multi-study fMRI analysis. *PLoS ONE*, *4*, e4527.

**Yarkoni, T.**, Balota, D. A., & Yap, M. J. (2008). Beyond Coltheart's N: A new measure of orthographic similarity. *Psychonomic Bulletin & Review*, *15*, 971-979.

**Yarkoni, T.**, Speer, N. K., Balota, D. A., McAvoy, M. P., & Zacks, J. M. (2008). Pictures of a thousand words: Investigating the neural mechanisms of reading with extremely rapid event-related fMRI. *NeuroImage*, *42*, 973-987.

**Yarkoni, T.**, Speer, N. K., & Zacks, J. M. (2008). Neural substrates of narrative comprehension and memory. *NeuroImage*, *41*, 1408-1425.

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., Chastil, 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.

## CHAPTERS AND COMMENTARIES

**Yarkoni, T.** (2009). Big correlations in little studies: Inflated fMRI correlations reflect low statistical power—Commentary on Vul et al (2009). *Perspectives on Psychological Science*, *4*, 294-298.

**Yarkoni, T.**, & Braver, T. S. (2010). Functional neuroimaging approaches to individual differences in working memory and executive control: Conceptual and methodological considerations. To appear in the Handbook of Individual Differences in Cognition. Gruszka, Matthews, & Szymura, Eds.

## MANUSCRIPTS SUBMITTED

**Yarkoni, T.** The Abbreviation of Personality, or How to Measure 200 Personality Traits with 200 Items.

**Yarkoni, T.** Personality in 100,000 Words: Blogging Content and Style Reflects Bloggers' Personalities.

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

#### INVITED PRESENTATIONS

September, 2009. On the rampant inflation of fMRI effects (and what to do about it). Dartmouth College.

October, 2007. What can functional neuroimaging tell us about decision-making? Mid-American Association for Behavior Analysis 2007 meeting, Milwaukee, WI.

#### CONFERENCE PRESENTATIONS

**Yarkoni, T.,** & Braver, T. S. (2008, September). Strategic modulation of cognitive control in decision-making under uncertainty. Poster to be presented at the 2008 annual meeting of the Society for Neuroeconomics, Park City, UT.

**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, 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., Chrastil, 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**

Society for Neuroscience  
Cognitive Neuroscience Society  
Association for Psychological Science  
Organization for Human Brain Mapping

### **Ad-hoc Reviewer**

Nature Neuroscience  
Journal of Neuroscience  
NeuroImage  
Journal of Personality  
PLoS ONE  
Quarterly Journal of Experimental Psychology  
Journal of the Experimental Analysis of Behavior  
Cognitive, Affective, and Behavioral Neuroscience  
Psychiatry Research  
Cognitive Brain Research  
Brain Research  
Brain and Cognition

