

## Thomas J. McKeeff

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609-439-7580

### **Education**

- 2009      Ph.D. (Psychology), **Princeton University**  
 Dissertation Title: Temporal Limitations of Visual Object Processing  
 Advisor: Frank Tong
- 1998      B.S. (Psychology), **Carnegie Mellon University**

### **Employment**

- 2014-present    **Consultant**, Ab Initio
- 2012-2014      **Business Analyst**, Sproxil
- 2009-2012      **Postdoctoral Research Fellow**, Department of Psychology, Harvard University  
 Advisor: Alfonso Caramazza
- 2006            **Research Fellow**, Department of Psychology, Harvard University
- 1998-2001      **Research Assistant** with Dr. Marlene Behrmann, Department of Psychology, Carnegie Mellon University

### **Honors, Awards and Funding**

Fellowship to the Multimodal Neuroimaging Training Program at Carnegie Mellon University/University of Pittsburgh, 2011

Research Fellowship Award, Queensland University, Brisbane, Australia,  
 2009-2012

Fellowship to the Summer Institute in Cognitive Neuroscience at Dartmouth College,  
 2005

National Research Service Award, National Institute of Health, Training Grant in Quantitative Neuroscience (MH065214-2), 2003-2005

Princeton University Dean's Fund for Scholarly Travel Grant, 2002

Princeton University First Year Fellowship in Science and Engineering, 2001–2002

Humanities and Social Sciences College Honors, Carnegie Mellon University, 1998

Alcoa Foundation Student Conference Award, 1998

Psi Chi, National Honor Society in Psychology, 1997–1998

### **Membership and Professional Affiliations**

Cognitive Neuroscience Society

Human Brain Mapping

Rhythm Break Cares, **Board of Directors (Chairman)**

Society For Neuroscience

Vision Sciences Society

### **Ad Hoc Reviewing**

Cerebral Cortex

Cognitive Neuropsychology

Perception

Perception and Psychophysics

Psychology Press and Routledge

### **Refereed Publications**

Roux, S., **McKeeff, T. J.**, Grosjacques, G., Afonso, O., & Kandel, S. (2013). Letter writing not only depends on its shape but on the type of word it is embedded: Lexical and sublexical effects. *Cognition*, 127(2), 234-241.

McGugin, R. W., **McKeeff, T. J.**, Tong, F., & Gauthier, I. (2011). Irrelevant objects of expertise compete with faces during visual search. *Attention, Perception, & Psychophysics*, 73(2), 309-317.

**McKeeff, T. J.**, McGugin, R. W., Tong, F., & Gauthier, I. (2010). Expertise increases the functional overlap between face and object perception. *Cognition*, 117(3), 355-360.

**McKeeff, T. J.,** Remus, D. A., & Tong, F. (2007). Temporal limitations in object processing across the human ventral visual pathway. *Journal of Neurophysiology*, 98, 382-393.

**McKeeff, T. J.,** & Tong, F. (2007). The timing of perceptual decisions for ambiguous face stimuli in the human ventral visual cortex. *Cerebral Cortex*, 17(3), 669-678.

Behrmann, M., Marotta, J. J., Gauthier, I., Tarr, M., & **McKeeff, T. J.** (2005). Behavioral change and its neural correlates in prosopagnosia after expertise training. *Journal of Cognitive Neuroscience*, 17(4), 554-568.

**McKeeff, T. J.,** & Behrmann, M. (2004). Pure alexia and covert reading: Evidence from Stroop tasks. *Cognitive Neuropsychology*, 21(2/3/4), 443-458.

Marotta, J. J., **McKeeff, T. J.,** & Behrmann, M. (2003). Hemispatial neglect: its effects on visual perception and visually guided grasping. *Neuropsychologia*, 41(9), 1262-1271.

Behrmann, M., Black, S. E., **McKeeff, T. J.,** & Barton, J. J. S. (2002). Oculographic analysis of word reading in hemispatial neglect. *Physiology and Behavior*, 77, 613-619.

Marotta, J. J., **McKeeff, T. J.,** & Behrmann, M. (2002). The effects of rotation and inversion on face processing in prosopagnosia. *Cognitive Neuropsychology*, 19(1), 31-47.

### **Manuscripts in Preparation**

**McKeeff, T. J.,** & Caramazza, A. (in preparation). Afterimages alter the perception of apparent motion.

**McKeeff, T. J.,** Samat, A., & Caramazza, A. (in preparation). High-level influences on temporal integration.

**McKeeff, T. J.,** & Tong, F. (in preparation). Attention increases the temporal processing capacity for objects in the ventral temporal cortex.

### **Teaching Positions**

2009                      **Teaching Fellow** (Methods of Behavioral Research), Department of Psychology, Harvard University

- 2008      **Lecturer** (Drugs and Behavior), Department of Psychology, Simmons College
- 2008      **Lecturer** (Sensation and Perception), Department of Psychology, Simmons College
- 2007      **Lecturer** (Cognitive Psychology), Department of Communication Sciences and Disorders, Emerson College
- 2007      **Lecturer** (Introduction to Psychology), Department of Communication Sciences and Disorders, Emerson College
- 2002      **Assistant Instructor** (Cognitive Psychology) with Dr. Philip N. Johnson-Laird, Department of Psychology, Princeton University
- 2000      **Teaching Assistant** (Research Methods in Cognitive Psychology) with Dr. Ruth Kimchi, Department of Psychology, Carnegie Mellon University

### **Invited Talks**

**McKeeff, T. J.** (2012, March) Temporal Processing Limitations of Visual Object Processing, Pierre Mendes-France University, Grenoble, France

**McKeeff, T. J.** (2006, May) Competition for limited perceptual resources: A shared mechanism for processing faces and cars in car experts, 12<sup>th</sup> Meeting of the Perceptual Expertise Network, Sarasota, FL.

### **Conference Presentations**

**McKeeff, T. J.,** Strnad, L., & Caramazza, A. (2010, May). Temporal interference in object recognition, Annual Meeting of the Vision Sciences Society, Naples, FL.

**McKeeff, T. J.,** Tong, F., & Gauthier, I. (2007, May). Perceptual expertise with cars leads to greater perceptual interference with faces but not objects, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Williams, R. N., **McKeeff, T. J.,** Tong, F., Gathier, I. (2007, May). Competition between domains of expertise in a visual search paradigm, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

**McKeeff, T. J., & Tong, F.** (2006, May). Attention alters the temporal processing capacity for objects in the ventral temporal cortex, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

**McKeeff, T. J., Remus, D. A., & Tong, F.** (2004, May). Decreased temporal processing capacity for objects as a function of ascending the ventral visual pathway, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Behrmann, M., Marotta, J. J., Gauthier, I., Tarr, M., & **McKeeff, T. J.** (2003, November). The neural correlates of behavioral change in prosopagnosia: Consequences of Greebles training, Society for Neuroscience Meeting, New Orleans, LA.

**McKeeff, T. J., Remus, D. A., & Tong, F.** (2003, November). Investigations of temporal processing limitations for objects in the ventral visual pathway, Society for Neuroscience Meeting, New Orleans, LA.

**McKeeff, T. J., & Tong, F.** (2003, June). fMRI evidence for category-specific bottlenecks in object processing, Human Brain Mapping, New York City, NY.

**McKeeff, T. J., Remus, D. A., & Tong, F.** (2003, May). Bottlenecks in cortical processing of objects: a category specific phenomenon, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

**McKeeff, T. J., & Tong, F.** (2003, March). The role of the fusiform face area in forming perceptual decisions, Cognitive Neuroscience Society, New York City, NY.

**McKeeff, T. J., & Tong, F.** (2002, November). Neural correlates of perceptual decisions for ambiguous face stimuli, Society for Neuroscience Meeting, Orlando, FL.

Tong, F., Wong, A., Meng, M. & **McKeeff, T. J.** (2002, May). Brain areas involved in attentional control and perception of ambiguous figures, Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Marotta, J. J., **McKeeff, T. J., & Behrmann, M.** (2001, March). Visual perception and grasping in hemispatial neglect, Cognitive Neuroscience Society, New York City, NY.

**McKeeff, T. J. & Behrmann, M.** (2001, March). Relating naming latency and extent of covert processing in pure alexia, Cognitive Neuroscience Society, New York City, NY.

Marotta, J. J., **McKeeff, T. J., & Behrmann, M.** (2000, May). The effects of inversion on face processing in prosopagnosia, Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL.