

Sonia A. Poltoratski

Phone: (979) 571 4596
Email: sonia.poltoratski@vanderbilt.edu

Department of Psychology
422 Wilson Hall
Vanderbilt University
Nashville TN, 37203

EDUCATION

August 2011 - present: Vanderbilt University (GPA: 4.0)

- Ph.D. student in Psychology, Cognition and Cognitive Neuroscience program
- Advisor: Frank Tong

September 2005 - June 2009: Stanford University

- B.A. with Honors in Psychology, Neuroscience specialization
- Advisors: Kalanit Grill-Spector (thesis), Anthony Wagner (department)

January 2007 - March 2007: Bing Overseas Study Program at Oxford University

- Tutorial in cognitive neuroscience with Charles Wilson, Experimental Psychology Dept.

AWARDS & HONORS

- 2012-2015: National Science Foundation Graduate Student Fellowship
- 2012-present: Vanderbilt Department of Psychology Topping Up Award
- 2009 Stanford University Firestone Medal for Excellence in Undergraduate Research
- 2008 National Rowing Coaches Association Division I Scholar Athlete selection
- 2008 Pac-10 Conference All-Academic First Team selection
- 2005 National Merit Scholar

RESEARCH EXPERIENCE

June 2009 - June 2011: Harvard Vision Sciences Lab

- Full-time research assistant/lab manager
- PI: Yaoda Xu
- Behavioral and fMRI work on visual short term memory, object features, visual number perception, ensemble encoding, and texture perception

September 2007 - June 2009: Grill-Spector Vision and Perception Neurosciences Lab

- PI: Kalanit Grill-Spector
- Honors thesis project: "Neural and Behavioral Exploration of Congenital Prosopagnosia," behavioral and fMRI techniques

September 2005 - June 2006, March 2007 - September 2007: Cognition Lab

- PI: Lera Boroditsky
- Behavioral work on synesthesia, face adaptation

September 2006 - March 2007: Mind, Culture, and Society Lab

- PI: Jennifer Eberhardt
- Behavioral work on racial bias in visual perception

May 2004 - September 2004: Texas A&M University Department of Psychology

- PI: Mark Packard
- Animal behavioral work on memory and learning

PUBLICATIONS & MANUSCRIPTS

Poltoratski, S, & Xu Y. (2013). The association of color memory and the enumeration of multiple spatially overlapping sets. *Journal of Vision*, 13(8), 6.

Poltoratski S and Tong F. (*in review*) Hysteresis in the dynamic perception of scenes and objects.

Poltoratski S and Xu Y. (*in preparation*) Enumeration of subsets but not the superset withstands temporal and attention manipulations.

Poltoratski S, Witthoft N, Grill-Spector, K. (*in preparation*) Behavioral exploration of congenital prosopagnosia.

PROFESSIONAL PRESENTATIONS

Kietzmann T, Ling S, Poltoratski S, König P, Blake R, and Tong F. (submitted, 2014) The Occipital Face Area is Causally Involved in Viewpoint Symmetry Judgments of Faces. Poster at the annual meeting of the *Vision Sciences Society*, May 16-21; St. Pete Beach, FL.

Poltoratski S and Tong F (2013). Hysteresis in the Perception of Objects and Scenes. Poster at the annual meeting of the *Vision Sciences Society*, May 12; Naples, FL.

Poltoratski S (2012). Hysteresis in the Dynamic Perception of Scenes and Objects. Talk at Harvard Vision Sciences Lab, December 11; Cambridge, MA.

Poltoratski S (2012). Hysteresis in the Dynamic Perception of Scenes and Objects. Talk at Vanderbilt's Cognition & Cognitive Neuroscience Seminar; September 21, Nashville, TN.

Poltoratski S and Tong F (2012). Dynamic Visual Representations of Scenes and Objects: The Forest to the Tree. Poster at the annual meeting of the *Vision Sciences Society*, May 11-16; Naples, FL.

Poltoratski S and Xu Y (2011). Distractors, sequential presentation have no effect on simultaneous enumeration of multiple sets. Poster at the annual meeting of the *Vision Sciences Society*, May 6-12; Naples, FL.

Witthoft N, Poltoratski S, Nguyen M, Golarai G, Liberman A, and Grill-Spector K (2011). Psychophysical and Neural Investigations of Congenital Prosopagnosia. Poster at the annual meeting of the *Vision Sciences Society*, May 6-12; Naples, FL.

Witthoft N, Poltoratski S, Nguyen M, Golarai G, Liberman A, and Grill-Spector K (2010). Psychophysical and Neural Investigations of Congenital Prosopagnosia. Poster at the annual meeting of the *Society for Neuroscience*, Nov 8-13; San Diego, CA.

Poltoratski S and Xu Y. (2010) Shared VSTM resources for enumerating sets and for encoding their colors. Poster at the annual meeting of the *Vision Sciences Society*, May 7-12; Naples, FL.

Poltoratski S. (2009) Neural and Behavioral Substrates of Congenital Prosopagnosia. Poster at Stanford Undergraduate Research Symposium.

Poltoratski S. (2008) Exploring Face Perception and Congenital Prosopagnosia Through Functional Magnetic Resonance Imaging. Poster as part of Stanford's PsychSummer Research Program.

GRANT FUNDING

November 2013: Vanderbilt Institute for Clinical and Translational Research Grant, \$2000; matched by Vanderbilt University Institute of Imaging Science, \$2000

March 2009: Stanford University Undergraduate Research Student Grant, \$800

December 2008: Stanford University Undergraduate Research Quarterly Grant, \$1500

May 2008: PsychSummer Research Program, \$5000

May 2007: Stanford University Department of Psychology Summer Grant, \$5000

ADVISING & TEACHING

January 2013 – May 2013: advisor to Zidong Zhao, Vanderbilt undergraduate

January 2012 – June 2012: grader for Dr. Ford Ebner, "Structure and Function of the Cerebral Cortex"

SELECTED EXTRACURRICULARS

September 2006 – June 2009: Stanford Varsity Women's Rowing, 2009 NCAA national team champions

September 2008 – June 2009: Stanford University residential computing consultant

May 2006 – June 2009: Delta Delta Delta, Academic Chair & Vice President – Public Relations