Curriculum Vitae

PERSONAL INFORMATION

Name:	**Rebecca St. Clair**	Telephone:	(773) 573-9952
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	Nashville, TN 37205		

EDUCATION

Institution	Degree	Year Awarded	Field of Study
Vanderbilt University Nashville, TN	PhD	2012 (expected)	Psychology
University of Chicago, Chicago, IL	BA, Honors	2007	Psychology

RESEARCH EXPERIENCE

Institution	Lab	Years
Vanderbilt University, Nashville, TN	Prof. Adriane Seiffert	2007-Present

Experiments examined how motion is used to maintain the identity of moving objects using the multiple object tracking task. It was found that conflicting texture motion impairs the ability to track targets moving among distractors more when objects move along predictable paths than when the objects move unpredictably. These results suggest that motion may be used to predict where an object will be in the future in order to maintain the identity of the object as it moves.

University of Chicago, Chicago, IL	Prof. Steven Shevell	2005-2007

Experiments examined the relation between changing perception during binocular rivalry and the perception of subsequent color afterimages. Afterimages were found that matched the percepts that occurred during adaptation, even though these percepts required combining information from each eye. These results suggest that color afterimages cannot be fully accounted for by adaptation of the cones.

University of Rochester Rochester, NY	Prof. Tatiana Pasternak	2006-2006

Conducted electrophysiology experiments examining the involvement of primate prefrontal cortex in alternate representations of visual stimuli in relation to changing task demands. Preliminary results suggested that the activity of prefrontal neurons changed to match task demands.

PUBLICATIONS

St. Clair, R., Huff, M., Seiffert, A.E. (2010). Conflicting motion information impairs multiple object tracking. Journal of Vision, 10(4), doi: 10.1167/10.4.18.

Shevell, S.K., St.Clair, R., Hong, S.W. (2008). Misbinding of color to form in afterimages. *Visual Neuroscience*, 25, 355-360.

PUBLICATIONS IN PROGRESS

St. Clair, R., Seiffert, A.E. (submitted). It's not just where they are, it's where they're going: Motion direction informs multiple object tracking. Visual Cognition.

ABSTRACTS

St. Clair, R., & Seiffert, A. E. (2011). Misrepresentation of motion direction causes prediction errors in multiple object tracking [Abstract]. Presented at the Vision Sciences Society Conference in Naples, Florida, in May. Abstract published in *Journal of Vision, 11*(11): 291, 291a, http://www.journalofvision.org/content/11/11/291, doi: 10.1167/11.11.291.

Seiffert, A. E., & St. Clair, R. (2010). Predictable paths increase the use of motion in object tracking [Abstract]. Presented at The Psychonomics Society Conference in St. Louis, Missouri, in November.

St. Clair, R., & Seiffert, A. E. (2009). Tracking objects with moving textures [Abstract]. Presented at the Vision Sciences Society Conference in Naples, Florida, in May. Abstract published in *Journal of Vision*, *9*(8):245, 245a, http://journalofvision.org/9/8/245/, doi:10.1167/9.8.245.

St. Clair, R., Hong, S. W., & Shevell, S. (2008). Misbinding of color to form in afterimages follows from a persisting binocular neural representation [Abstract]. Presented at the Vision Sciences Society Conference in Naples, Florida, in May. Abstract published in *Journal of Vision*, *8*(6):245, 245a, http://journalofvision.org/8/6/245/, doi:10.1167/8.6.245.

St. Clair, R., Hong, S. W., & Shevell, S. (2007). Misbinding of color to form in afterimages [Abstract]. Presented at the Vision Sciences Society Conference in Sarasota, Florida, in May. Abstract published in *Journal of Vision*, *7*(9):366, 366a, http://journalofvision.org/7/9/366/, doi:10.1167/7.9.366.

AWARDS

2010 - William F. Hodges Teaching Assistant Award
2006 - University of Rochester Center for Visual Science Undergraduate Summer Fellowship
2006 - University of Oklahoma Summer Undergraduate Research Experience Fellowship (declined for University of Rochester fellowship)
2006 - University of Chicago Howard Hughes Medical Institute Fellowship (declined for University of Rochester fellowship)

RESEARCH SKILLS

Proficient with Matlab and Psychtoolbox: Programmed all visual displays and analysis programs for dissertation experiments.
Proficient with SPSS: Taught undergraduates to use SPSS in weekly lab sessions and used SPSS for data analysis.
Experience running participants with an ASL eyetracker

TEACHING ENRICHMENT

2011- GradStep Workshop presented by the Center for Teaching: A weekend workshop exploring methods to teach critical thinking.
2011- Teaching Certificate Program through the Center for Teaching: A self-paced program composed of 3 cycles consisting of inquiry, experimentation, and reflection to improve teaching practices. In each phase I developed an idea to improve student learning and then reflected on the effectiveness of the idea.

TEACHING ASSISTANT POSITIONS

<u>Course</u>	<u>Years</u>
Quantitative Methods	Spring 2009 - Present

- Graded homework and exams, led review sessions, guest lectured, and led SPSS lab sections

Human Sexuality	Fall 2009

- Wrote and graded exams, led review sessions

Social Psychology	Spring 2008

- Graded exams and papers, wrote exam questions, led review sessions

Introduction to Psychology	Fall 2008

- Graded exams and papers, wrote exam questions, led review sessions

PROFESSIONAL MEMBERSHIPS

Vision Sciences Society (2006 – present)
Psi Chi (2006 – present)

SERVICE

2011- Served as a representative for EDGE (enhancing diversity in graduate education) at Morehouse, Spelman, and Clark University's Psychology Research Day and judged undergraduate poster presentations.
2010 - Reviewer for Attention, Perception, & Psychophysics
2009/10 - Presented visual illusions at the annual Brain Blast for Brain Awareness Week at the Adventure Science Center
2008 - Served as a panelist for a question and answer session for Psi Chi about graduate school in psychology