

Emma Ferneyhough

curriculum vitae

Contact Information

UC Berkeley Department of Psychology
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Research Experience

- 2011 – present Post-doctoral Scholar (Advisor: Dr. Sonia Bishop)
Affective Cognitive Neuroscience Lab, Helen Wills Neuroscience Institute, UC
Berkeley, Berkeley, CA
- 2006 – 2011 Graduate Research Assistant (Advisor: Dr. Elizabeth Phelps)
Phelps Lab, Psychology Department, NYU, New York, NY
- 2004 – 2006 Research Assistant & Lab Manager (Supervisor: Dr. Frank Tong)
Perception and Neuroscience Lab, Psychology Department, Vanderbilt
University, Nashville, TN
- 2003 – 2004 Undergraduate Research Assistant (Advisors: Dr. Ann Kring & Dr. June Gruber)
Emotion and Social Interaction Lab, Psychology Department, UC Berkeley,
Berkeley, CA

Education

- 2009 – 2011 Ph.D. in Psychology (Cognition & Perception)
Dissertation: *Emotional Modulation of Visual Attention*
Advisors: Dr. Elizabeth Phelps & Dr. Marisa Carrasco
New York University
- 2006 – 2009 M.A. in Psychology (Cognition & Perception)
Advisors: Dr. Elizabeth Phelps & Dr. Marisa Carrasco
New York University
- 2000 – 2004 B.A. in Cognitive Science (Neuroscience)
Minor in Anthropology (Social / Cultural)
University of California at Berkeley

Honors and Awards

2010	Douglas and Katherine Fryer Thesis Fellowship in Psychology, NYU
2009	Graduate School of Arts and Science Travel Award, NYU
2007	Summer Institute in Cognitive Neuroscience Fellowship, UC Santa Barbara
2006 – 2011	MacCracken Fellowship, NYU
2002	Dean's List, College of Letters and Science, UC Berkeley
2000	American Association of University Women Scholarship Truckee Community Scholarship

Manuscripts

Ferneyhough, E. & Phelps, E.A. (*in preparation*). The role of intraparietal sulcus in the emotional cost to temporal attention.

Ferneyhough, E., Kim, M.K., Phelps, E.A., & Carrasco, M. (*in preparation*). Anxiety modulates the effects of emotion and attention on early vision.

Publications

Ferneyhough, E., Stanley, D.A., Phelps, E.A., & Carrasco, M. (2010). Cueing effects of faces are dependent on handedness and visual field. *Psychonomic Bulletin & Review*, 17, 529-535.

Meng, M., **Ferneyhough, E.**, & Tong, F. (2007). Dynamics of perceptual filling-in of visual phantoms revealed by binocular rivalry. *Journal of Vision*, 7(13):8, 1-15, <http://journalofvision.org/7/13/8/>, doi:10.1167/7.13.8.

Conference Presentations

Kim, M.K., **Ferneyhough, E.**, Carrasco, M., & Phelps, E.A. (2011). How emotion and attention affect perception: perceptual consequences of anxiety and negative affect in response to fearful and neutral facial expressions. [Poster]. 37th Annual NYU Undergraduate Research Conference, New York, NY.

Ferneyhough, E., McClave C.H., & Phelps, E.A. (2011). The role of intraparietal sulcus in emotional costs to temporal attention. [Poster]. NYU Neuroscience Retreat, New Paltz, NY.

Ferneyhough, E., McClave, C., & Phelps, E.A. (2011). The role of intraparietal sulcus in the emotional cost of temporal attention. [Poster]. Cognitive Neuroscience Society 18th Annual Meeting, San Francisco, CA.

Ferneyhough, E., Stanley, D.A., Phelps, E.A., & Carrasco, M. (2010). Negative affect mediates emotion's effect on perception [Poster]. Social Affective Neuroscience Society 4th Annual Meeting, Chicago, IL.

Ferneyhough, E., Stanley, D.A., Phelps, E.A., & Carrasco, M. (2010). Interaction effects of emotion and attention on contrast sensitivity correlate with measures of anxiety [Abstract]. *Journal of Vision*.

Ferneyhough, E., Stanley, D.A., Phelps, E.A., & Carrasco, M. (2009). Effects of faces as exogenous cues are dependent on visual field and handedness [Abstract]. *Journal of Vision*, 9(8):125, 125a, <http://journalofvision.org/9/8/125/>, doi:10.1167/9.8.125.

Ferneyhough, E., Meng, M., & Tong, F. (2006). Interactions between binocular rivalry and perceptual filling-in of visual phantoms [Abstract]. *Journal of Vision*, 6(6):45, 45a, <http://journalofvision.org/6/6/45/>, doi:10.1167/6.6.45.

Book Chapter

Stanley, D., **Ferneyhough, E.**, & Phelps, E. (2009). Neural Perspectives on Emotion: Impact on Perception, Attention and Memory. In G.G. Berntson & J.T. Cacciopo (Eds.), *Handbook of Neuroscience for the Behavioral Sciences*, New York: John Wiley & Sons.

Peer-Reviewer

Cognitive Science
Emotion
Frontiers in Perception Science
Vision Research

Talks

2011	June	<i>Emotional Modulation of Visual Attention</i> , NYU Thesis Defense
2011	April	<i>The Role of Intraparietal Sulcus in Emotional Costs to Temporal Attention</i> , NYU Center for Brain Imaging User Group Meeting
2010	August	<i>Emotional Modulation of Visual Attention</i> , Bishop Lab, UC Berkeley
2009	April	<i>Emotion and the Attentional Blink</i> , NYU C&P Brown Bag
2008	Sept	<i>Faces as Attentional Cues: Visual Field and Handedness</i> , NYU C & P Minicon.
2007	Sept	<i>Investigating the Interaction of Emotion and Attention</i> , NYU C & P Minicon.
2006	March	<i>Mapping Retinotopic Visual Areas on Flattened Brains</i> , Vanderbilt University Institute of Imaging Science fMRI Methods Workshop

Memberships

Association for Psychological Science
Cognitive Neuroscience Society
New York Academy of Sciences
Social and Affective Neuroscience Society
Vision Sciences Society

NYU Psychology Department Service

2010	April	Poster Judge for MA Psychology Research Conference
2009 – 2010		C & P Graduate Student Representative
2008 – 2009		C & P Graduate Student Brown Bag Coordinator
2007 – 2008		C & P Graduate Student Happy Hour Coordinator

Teaching Experience

2010	Summer	Instructor for Cognition
2009	Fall	Teaching Assistant for Perception (Dr. Michael Landy)
	Summer	Teaching Assistant for Introduction to Psychology (Dr. Edgar Coons)
	Summer	Teaching Assistant for Cognition (Robert Colner, M.A.)
2008	Summer	Teaching Assistant for Introduction to Psychology (Dr. Edgar Coons)
2007	Spring	Teaching Assistant for Cognition (Dr. Andrew Hilford)

Mentoring Experience

2010 – 2011	Min Kyung Kim (Undergraduate Honors Thesis Student) NYU Psychology Department
2010 – 2011	Caroline H. McClave (Undergraduate Research Assistant) NYU Psychology Department
2009 – 2010	Rita M. Ludwig (Undergraduate Research Assistant) NYU Psychology Department
2004	Cognitive Science Peer Advisor UC Berkeley Department of Undergraduate and Interdisciplinary Studies

Skills & Professional Development

2010	Nov	Science Writing Workshop, NYU Arthur L. Carter Journalism Institute
2010	April	Teaching and Learning Certificate NYU Graduate School of Arts & Sciences
2007	May	BrainVoyager QX Training Course, NYU Psychology
Software & Scripting		MATLAB (& <i>Psychophysics Toolbox</i>), Python (& <i>Vision Egg</i>), BrainVoyager, FSL, SPSS, some R
Web		HTML, CSS, some JavaScript