

**ALISON M. HARRIS, PhD**

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**RESEARCH INTERESTS**

Cognitive Neuroscience, Decision Making, Visual Perception, Neuroeconomics, Neurophysiology

**ACADEMIC APPOINTMENTS**

**Claremont McKenna College**, Claremont, CA  
*Assistant Professor, July 2012-present*

**California Institute of Technology**, Pasadena, CA  
*Visiting Associate, July 2012-present*  
*Postdoctoral Researcher, September 2009-June 2012*

**University of Pennsylvania**, Philadelphia, PA  
*Postdoctoral Researcher, October 2005-August 2009*

**EDUCATION**

**Harvard University**, Cambridge, MA  
*Ph.D. in Psychology, 2005.*

**Massachusetts Institute of Technology**, Cambridge, MA  
*S.B. in Brain & Cognitive Sciences, 2000.*

**RESEARCH EXPERIENCE**

**California Institute of Technology**, Pasadena, CA  
*Postdoctoral Researcher, September 2009-June 2012*  
Supervisor: Dr. Antonio Rangel

- Broadened research to new field of inquiry, resulting in two scientific manuscripts.
- Supervised undergraduate research assistant.

**University of Pennsylvania**, Philadelphia, PA  
*Postdoctoral Researcher, October 2005-August 2009*  
Supervisor: Dr. Geoffrey K. Aguirre

- Designed and performed experiments resulting in authorship of four scientific publications.
- Communicated research ideas through two general publications and four professional presentations.
- Supervised research projects of four undergraduate and two graduate research assistants.
- Organized regular cross-laboratory lab meetings.

**Harvard University**, Cambridge, MA  
*Graduate Student, September 2000-September 2005*  
Advisor: Dr. Ken Nakayama

- Executed research program resulting in three first-author scientific publications.
- Communicated research ideas through six professional presentations.

**Massachusetts Institute of Technology**, Cambridge, MA  
*Research Assistant, June 1997-August 2000*  
Supervisor: Dr. Nancy Kanwisher

- Designed and performed experiments resulting in co-authorship of four scientific publications.

## TEACHING EXPERIENCE

**Claremont McKenna College**, Claremont, CA  
*Assistant Professor, 2012-present*

- Developed and taught two new courses (Sensation & Perception, Neuroeconomics).

**Harvard University**, Cambridge, MA  
*Teaching Fellow, 2002-2004*

- Taught weekly sections.
- Planned and managed course logistics as Head Teaching Fellow (2003-2004).
- Awarded the Harvard University Certificate of Distinction in Teaching (2002, 2003) based on anonymous student evaluations.

## PUBLICATIONS

Harris A, Adolphs R, Camerer C, Rangel A. (2011). Dynamic construction of stimulus values in the ventromedial prefrontal cortex. *PLoS ONE*. 6(6): e21074.

Kahn DA, Harris A, Wolk DA, Aguirre GK. (2010). Temporally distinct neural coding of perceptual similarity and prototype bias. *Journal of Vision*. 10(10):12.

Harris A, Aguirre GK. (2010). Neural tuning for face wholes and parts in human fusiform gyrus revealed by fMRI adaptation. *Journal of Neurophysiology*. 104(1): 336-345.

Harris A. (2009). Magnetoencephalography. In Bruce Goldstein (Ed.), *The Sage Encyclopedia of Perception*.

Liu J, Harris A, Kanwisher N. (2009). Perception of face parts and face configurations: An fMRI study. *Journal of Cognitive Neuroscience*. 22(1): 203-211.

Harris A, Aguirre GK. (2008). The effects of parts, wholes, and familiarity on face-selective responses in MEG. *Journal of Vision*. 8(10):4, 1-12.

Harris A, Aguirre GK. (2008). The representation of parts and wholes in face-selective cortex. *Journal of Cognitive Neuroscience*. 20(5): 863-878.

Harris A, Nakayama K. (2008). Rapid adaptation of the M170 response: Importance of face parts. *Cerebral Cortex*. 18: 467-476.

Harris A, Aguirre GK. (2007). Prosopagnosia. *Current Biology*. 17(1): R7-8.

Harris A, Nakayama K. (2007). Rapid face-selective adaptation of an early extrastriate component in MEG. *Cerebral Cortex*. 17: 63-70.

Harris A, Duchaine B, Nakayama K. (2005). Normal and abnormal face selectivity of the M170 response in developmental prosopagnosics. *Neuropsychologia*. 43: 2125-2136.

Liu J, Harris A, Kanwisher N. (2002). Stages of processing in face perception: An MEG study. *Nature Neuroscience*. 5(9): 910-916.

Epstein R, Harris A, Stanley D, Kanwisher N. (1999). The parahippocampal place area: Recognition, navigation, or encoding? *Neuron*. 23: 115-125.

Kanwisher N, Stanley D, Harris A. (1999). The fusiform face area is selective for faces not animals. *Neuroreport*. 10:183-187.

## MANUSCRIPTS IN PREPARATION

Harris A, Hare T, Rangel A. (under revision). The temporal dynamics of top-down modulation during self-control.

Harris A, Lim S-L, Rangel A. (in preparation). Stimulus- and response-locked dynamics of net value computations from stimulus value and effort cost.

## HONORS & AWARDS

**National Science Foundation Graduate Student Fellowship.** 2000-2003.

**Barry M. Goldwater Scholarship.** 1999.

Awarded to excellent undergraduates with outstanding potential for careers in mathematics, the natural sciences, and engineering.

## SELECTED PRESENTATIONS

Harris A, Hare T, Rangel A. The temporal dynamics of value computations in decisions involving self-control. Talk presented at the 9<sup>th</sup> Annual Meeting of the Society for Neuroeconomics, September 30-October 2, 2010.

Harris A, Adolphs R, Camerer C, Rangel A. The dynamics of stimulus valuation in ventromedial prefrontal cortex. Poster presented at the 40<sup>th</sup> Annual Meeting of the Society for Neuroscience, November 13-17, 2009.

Harris A & Aguirre GK. Flexible neural tuning for parts and wholes in human fusiform cortex. Talk presented at the 38<sup>th</sup> Annual Meeting of the Society for Neuroscience, November 15-19, 2008.

Harris A & Aguirre GK. The effects of parts, wholes, and familiarity on face-selective responses in

MEG. Talk presented at the 8<sup>th</sup> Annual Meeting of the Vision Sciences Society, May 9-14, 2008.

Harris A. Face-selective responses in MEG & fMRI represent both parts and wholes. Invited talk at “Words and Faces: An International Workshop on Cognitive Neuroscience in Honour of Professor Ryoji Suzuki,” Macquarie University, September 13-14, 2007.

Harris A & Aguirre GK. Familiarity modulates holistic processing in the Fusiform Face Area. Talk presented at the 7<sup>th</sup> Annual Meeting of the Vision Sciences Society, May 11-16, 2007.

Harris A & Nakayama K. Face-selective adaptation of the M170 is sensitive to face parts, not face configuration. Talk presented at the 6<sup>th</sup> Annual Meeting of the Vision Sciences Society, May 5-10, 2006.

Harris A & Nakayama K. Face-selective “double-pulse” adaptation of the M170 response. Poster presented at the 5<sup>th</sup> Annual Meeting of the Vision Sciences Society, May 6-11, 2005.

Harris A. Comparing fMRI & MEG markers of face perception. Talk presented at the 14<sup>th</sup> International Conference on Biomagnetism, August 8-12, 2004.

Harris A & Nakayama K. Recovery differences in early MEG responses examined by “double-pulse” stimulation. Poster presented at the 4<sup>th</sup> Annual Meeting of the Vision Sciences Society, April 30-May 5, 2004.