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## RESEARCH INTERESTS

Face Perception, Cognitive Neuroscience, Object Recognition, Prosopagnosia, Neurophysiology

## EDUCATION

**Harvard University,** Cambridge, MA
*Ph.D. in Psychology, 2005.*
Dissertation: 'Face-Selectivity of the M170 Response in MEG: Evidence from Developmental
    Prosopagnosia and Double-Pulse Adaptation'

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

## PROFESSIONAL EXPERIENCE

**University of Pennsylvania,** Philadelphia, PA
*Postdoctoral Fellow, 2005-present.*
Devised and executed research program for postdoctoral fellowship. Organized lab meetings and
supervised research assistants and graduate students.

**Harvard University,** Cambridge, MA
*Research Assistant, 2004-2005.*
Executed research program for dissertation. Designed experiments, oversaw data acquisition,
analyzed complex datasets, and presented results through talks and papers.

*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.

**National Institute of Neurological Disorders and Stroke, National Institutes of Health,**
Bethesda, MD
*Intern, Summer Program in the Neurological Sciences, 1999.*
Collected and analyzed behavioral and fMRI data for a study of frontal lobe activation and strategy
use.

**Institute for Research in Cognitive Science, University of Pennsylvania,** Philadelphia, PA
*Participant, Summer Workshop in Cognitive Science, 1999.*

**Kanwisher Laboratory, Massachusetts Institute of Technology,** Cambridge, MA
*Research Assistant, 1997-2000.*
Created stimuli, designed experiments, and collected and analyzed complex neuroimaging data
(fMRI, MEG). Co-authored 3 papers.

## PUBLICATIONS

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. (accepted). Magnetoencephalography. Invited submission, *The Sage Encyclopedia of Perception*, ed. Bruce Goldstein.

Liu J, Harris A, Kanwisher N. (accepted). Perception of face parts and face configurations: An fMRI study.

Harris A, Aguirre GK. (in preparation). Flexible neural tuning for face parts and wholes in human fusiform cortex.


## 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.

**Hans Lukas Teuber Award, Department of Brain & Cognitive Sciences, MIT.** 1999.
Departmental award for outstanding student in the cognitive sciences.

**PRESENTATIONS**

Harris A & Aguirre GK. The effects of parts, wholes, and familiarity on face-selective responses in MEG. Talk presented at the 8th 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 7th 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 6th 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 5th Annual Meeting of the Vision Sciences Society, May 6-11, 2005.

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

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

Grossman ED, Harris A, Nakayama K. Simultaneous EEG/MEG recording during perception of point-light biological motion. Poster presented at the 33rd Annual Meeting of the Society for Neuroscience, November 8-12, 2003.

Harris A, Liu J, Duchaine BC, Nakayama K. Characterizing face processing in developmental prosopagnosia using magnetoencephalography. Poster presented at the 3rd Annual Meeting of the Vision Sciences Society, May 9-14, 2003.

Liu J, Harris A, Kanwisher N. The M100: Face categorization begins within 100 ms of stimulus presentation. Poster presented at the 2nd Annual Meeting of the Vision Sciences Society, May 10-15, 2002.

Liu J, Harris A, Kanwisher N. What makes a face a face: an MEG and fMRI study. Talk presented at the 1st Annual Meeting of the Vision Sciences Society, May 4-8, 2001.

Harris A, Liu J, Kanwisher N. Fusiform face area response to face-stimulus manipulations. Poster presented at the 8th Annual Meeting of the Cognitive Neuroscience Society, March 25-27, 2001.

Liu J, Harris A, Kanwisher N. What aspects of the face drive the face-selective M170? Poster presented at the 8th Annual Meeting of the Cognitive Neuroscience Society, March 25-27, 2001.

**REFERENCES**

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