

# Mariko Moher

Williams College, Department of Psychology  
Bronfman Science Center 301  
18 Hoxsey Street  
Williamstown, MA 01267

mariko.moher@williams.edu  
(413) 597-4476

## ACADEMIC APPOINTMENTS

2016-2017      Oakley Center Fellow  
                    Williams College, Williamstown, MA

2013-            Assistant Professor, Department of Psychology  
                    Williams College, Williamstown, MA

2011-2013      College Fellow, Department of Psychology  
                    Harvard University, Cambridge, MA

2013             Faculty of the Citizen Science Program  
                    Bard College, Annandale-on-Hudson, NY

## EDUCATION

2011             Ph.D., Psychological & Brain Sciences  
                    Johns Hopkins University, Baltimore, MD

2007             M.A., Psychological & Brain Sciences  
                    Johns Hopkins University, Baltimore, MD

2005             B.A., Psychology with distinction, Molecular Biophysics & Biochemistry  
                    Yale University, New Haven, CT

## AWARDS & HONORS

2011, 2009, 2007   Cognitive Development Society Minority Travel Award

2009             Elsevier / Vision Research Travel Award, Vision Science Society

2009             Society for Child Development Student Travel Award

2008             Johns Hopkins University Graduate Representative Organization Travel Fellowship

## GRANTS & FUNDING

2015             Williams College Research Roundtable

2015             Alliance to Advance Liberal Arts Colleges Faculty Workshop Program

2006-2009      National Science Foundation Graduate Research Fellowship

2008             Johns Hopkins University J. Brien Key Award

2007             Johns Hopkins University Krieger School of Arts & Sciences Endowed Fellowship

**PUBLICATIONS**

Publications prior to 2010 appeared as Mariko Yamaguchi.

\*denotes mentored undergraduate authors.

- Moher, M.** & Feigenson, L. (2013). Factors influencing infants' ability to update object representations in memory. *Cognitive Development*, 28(3), 272-289.
- Moher, M.**, Tuerk, A. S.\*, & Feigenson, L. (2012). Seven-month-old infants chunk items in memory. *Journal of Experimental Child Psychology*, 112(4), 361-377.
- Moher, M.**, Feigenson, L., & Halberda, J. (2010). A one-to-one bias and fast mapping support preschoolers' learning about faces and voices. *Cognitive Science*, 34, 719-751.
- Feigenson, L. & **Yamaguchi, M.** (2009). Limits on infants' ability to dynamically update object representations. *Infancy*, 14(2), 244-262.
- Phillips, W. C., Barnes, J. L., Mahajan, N., **Yamaguchi, M.**, & Santos, L. (2009). 'Unwilling' versus 'unable': Capuchin monkeys' (*Cebus apella*) understanding of human intentional action. *Developmental Science*, 12(6), 938-945.
- Yamaguchi, M.**, Kuhlmeier, V. A., Wynn, K., & vanMarle, K. (2009). Continuity in social cognition from infancy to childhood. *Developmental Science*, 12(5), 746-752.

**MANUSCRIPTS UNDER REVIEW**

- Moher, M.** & Feigenson, L. (under revision, *Infancy*). Infants' ability to simultaneously encode multiple ensembles.
- Long, B., Konkle, T., **Moher, M.**, & Carey, S. (submitted, *Developmental Science*). Real-world size is automatically encoded in preschoolers' object representations.

**MANUSCRIPTS IN PREPARATION**

- Long, B., **Moher, M.**, Konkle, T., Alvarez, G. A., & Carey, S. (in prep). Animacy and real-world object size guide visual attention in young children.
- Tuerk, A. S., **Moher, M.**, Carey, S. E., & Feigenson, L. (in prep). Using statistical structure to increase working memory representations of approximate number.

**INVITED TALKS**

- 2015 Hamilton College Department of Psychology
- 2015 Towson University Department of Psychology
- 2015 Alliance to Advance Liberal Arts Colleges Cognitive Development Workshop
- 2014 University of Massachusetts at Amherst Developmental Brown Bag
- 2014 Boston College Current Work in Developmental Psychology Series
- 2013 Northwestern University Infant Cognition Lab
- 2012 Yale University Infant Cognition Center
- 2012 Harvard University Vision Sciences Laboratory

## CONFERENCE PRESENTATIONS

Presentations prior to 2010 appeared as Mariko Yamaguchi.

\*denotes mentored undergraduate authors.

- Rivera-Aparicio, J. E.\* , Lin, B.\* , Cone, J. D., & **Moher, M.** (2017, May). Flexible prioritization of feature dimensions in perception of objects, ensembles, and social stimuli. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
- Moher, M.** (2017, April). Effect of spatial and conceptual chunking cues on children's working memory. Poster to be presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Lin, B.\* , Rivera-Aparicio, J. E.\* , Cone, J. D., & **Moher, M.** (2016, November). Prioritization of features in object and ensemble perception. Poster presented at the annual Object Perception, Attention, and Memory meeting, Boston, MA.
- Long, B., Konkle, T., **Moher, M.**, Alvarez, G. A., & Carey, S. (2015, October). Young children automatically access the real-world size of objects. Poster presented at the biennial meeting of the Cognitive Development Society, Columbus, OH.
- Moher, M.** & Davis, A. A.\* (2015, October). The effects of conceptual and spatial chunking cues on young children's working memory. Poster presented at the biennial meeting of the Cognitive Development Society, Columbus, OH.
- Long, B., **Moher, M.**, Konkle, T., Alvarez, G. A., & Carey, S. (2015, March). Broad category membership guides visual attention in young children. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Kibbe, M. M., **Moher, M.**, & Feigenson, L. (2015, March). Chunking promotes the selective encoding and maintenance of information in infant working memory. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Feiman, R., **Moher, M.**, & Carey, S. (2015, March). Infants' abilities to update quantity representations across multiple locations. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
- Long, B., **Moher, M.**, Konkle, T., Alvarez, G. A., & Carey, S. (2015, January). Broad category membership guides visual attention in young children. Poster presented at the annual meeting of the Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Kibbe, M. M., **Moher, M.**, & Feigenson, L. (2013, October). Used then lost: Infants use features to chunk objects, but do not store the features in memory. Poster presented at the biennial meeting of the Cognitive Development Society, Memphis, TN.
- Moher, M.** (2013, July). Updating representations in infant working memory. Paper presented at the annual New England Liberal Arts Colleges Workshop on Cognitive Development, Northampton, MA.
- Davis, A. A.\* , Kibbe, M. M., Feigenson, L., & **Moher, M.** (2013, July). The fate of chunked features in infant working memory. Poster presented at the annual New England Liberal Arts Colleges Workshop on Cognitive Development, Northampton, MA.

- Moher, M.** & Feigenson, L. (2011, October). Infants' abilities to parse and enumerate orthogonal ensembles. Poster presented at the biennial meeting of the Cognitive Development Society, Philadelphia, PA.
- Moher, M.** & Feigenson, L. (2011, May). Infants' abilities to parse and enumerate orthogonal ensembles. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Moher, M.** & Feigenson, L. (2011, April). The role of features in infants' chunking: How they do (and don't) help. Poster presented at the biennial meeting of the Society for Research in Child Development, Montréal, Canada.
- Moher, M.,** Tuerk, A. S.\* , & Feigenson, L. (2010, July). Chunking increases working memory capacity in 7-month-old infants. Paper presented at the annual meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, OR.
- Yamaguchi, M.** & Feigenson, L. (2010, April). Limits on infants' ability to update working memory representations. Paper presented at the International Conference on Infant Studies, Baltimore, MD.
- Yamaguchi, M.,** Tuerk, A. S.\* , & Feigenson, L. (2009, October). Chunking increases working memory capacity in 7 month-old infants. Poster presented at the biennial meeting of the Cognitive Development Society, San Antonio, TX.
- Tuerk, A. S.\* , **Yamaguchi, M.,** & Feigenson, L. (2009, August). Seven month-old infants use chunking to increase working memory capacity. Poster presented at the annual meeting of the Cognitive Science Society, Amsterdam, the Netherlands.
- Yamaguchi, M.,** Tuerk, A. S.\* , & Feigenson, L. (2009, May). Adults store up to 3 featurally-overlapping sets in working memory. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Yamaguchi, M.,** Austin, R. A.\* , Halberda, J., & Feigenson, L. (2009, April). Preschoolers' use of Mutual Exclusivity in a social context. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Spiegel, C., **Yamaguchi, M.,** Heverly-Fitt, S.\* , & Halberda, J. (2009, April). Children's use of logical inference in mapping novel voices to novel characters. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Yamaguchi, M.** & Feigenson, L. (2008, November). Selective attention of working memory contents by 11 month-old infants. Paper presented at the annual Object Perception, Attention, and Memory meeting, Chicago, IL.
- Yamaguchi, M.,** Tuerk, A. S.\* , & Feigenson, L. (2008, May). Heterogeneous object arrays increase working memory capacity in 7-month old infants. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
- Yamaguchi, M.** & Feigenson, L. (2008, March). Limits on infants' ability to update working memory representations. Poster presented at the International Conference on Infant Studies, Vancouver, Canada.
- Kuhlmeier, V. & **Yamaguchi, M.** (2007, May). How does infants' performance on goal-attribution tasks relate to other social-cognitive skills? Paper presented at the annual

meeting of the Jean Piaget Society: Developmental Social Cognitive Neuroscience, Amsterdam, the Netherlands.

**Yamaguchi, M.,** Halberda, J., & Feigenson, L. (2007, March). Preschoolers' use of mutual exclusivity for mapping individual faces & voices. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

**Yamaguchi, M.,** Kuhlmeier, V. A., Wynn, K., & vanMarle, K. (2006, May). Infant social cognition tasks, not nonsocial tasks, correlate with preschool social cognition. Poster presented at the Annual Conference for the Association for Psychological Science, New York, NY.

## TEACHING EXPERIENCE

### Williams College

Experimentation & Statistics (with lab)	Spring 2015
Introductory Psychology (co-taught)	Fall 2013, Spring 2014, Fall 2015, Spring 2016
Developmental Psychology	Fall 2013, Fall 2015
Cognitive Development (with lab)	Spring 2014, Spring 2016
Biology & Psychology of Food Intake & Taste (co-taught)	January 2015

### Harvard University

Intuitive Math in the Everyday Mind	Spring 2013
Language & Thought	Spring & Fall 2012

## THESIS STUDENTS

### Williams College

Ben Lin '17 (co-advised with Jeremy Cone)  
 Jose Rivera-Aparicio '17  
 Alida A. Davis '14, Class of 1960s Scholar & Sigma Xi Associate Member

### Johns Hopkins University

Rachel Austin '10, recipient of Julian C. Stanley Department Award  
 Arin S. Tuerk '08, recipient of G. Stanley Hall Department Award  
 recipient of Provost Undergraduate Research Award

## UNIVERSITY & ACADEMIC SERVICE

### Williams College

Honor and Discipline Committee	2015-2016
Science Executive Committee	2015-2016

Williams College Children's Center Advisory Board	2015-2016
Williams College Children's Center Director Search Committee	2016

**Harvard University**

Session Leader, Brain Awareness Week	2013
Judge, National Collegiate Research Conference	2013
Special Project Staff, Bureau of Study Counsel	2012-2013
Non-Resident Tutor and Pre-Medical Advisor, Dudley House	2012-2013

**Johns Hopkins University**

Psychological & Brain Sciences Graduate Student Steering Committee	2005-2011
Graduate Admissions Advisory Board	2007-2009
Graduate Student Mentor, Counseling Center Advisory Board	2006

**PROFESSIONAL ACTIVITIES****Consulting Editor**

Developmental Psychology

**Ad-Hoc Reviewer**

Cognition

Frontiers in Psychology

Infancy

Journal of Experimental Psychology: Human Perception and Performance

**Professional Affiliations**

Cognitive Development Society

International Congress of Infant Studies

Society for Research in Child Development

Vision Sciences Society