

Justin Halberda

last updated July 2011

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Academic Appointments

- 2010 - *Associate Professor* (Primary Appointment). Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD
- 2010 - *Associate Professor* (Secondary Appointment). Department of Cognitive Science, Johns Hopkins University, Baltimore, MD
- 2004 - 2010 *Assistant Professor* (Primary Appointment). Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD
- 2004 - 2010 *Assistant Professor* (Secondary Appointment). Department of Cognitive Science, Johns Hopkins University, Baltimore, MD
- 2003 – 2004 *Postdoctoral Fellow*. Laboratoire de Sciences Cognitives et Psycholinguistique, Ecole Normale Supérieure, CNRS. Paris, France
Sponsor: Emmanuel Dupoux
- 2001 – 2003 *Visiting Fellow*. Department of Psychology, Harvard University, Cambridge, MA

Education

- 1997-2003 New York University M.A. & Ph.D. in Cognitive Psychology
Advisor Susan Carey
Degree conferred May, 2003
- 1992-1997 College of Charleston Magna cum laude
B.S. *Psychology*; B.S. *Biochemistry*
B.A. *Physical Chemistry*; B.A. *Philosophy*

Academic Awards and Honors

Certificate of Distinction in Teaching, Harvard University, 2003

Graduate Fellowship, National Science Foundation, 1998-2001

Henry Mitchell MacCracken Graduate Fellowship, New York University, 1997-2001

Presidential Scholarship, College of Charleston, 1995

Lee Harwood Scholarship, College of Charleston, 1993

Sigma Alpha Phi, College of Charleston Honors Society

Phi Kappa Phi, National Honors Society

Grant Support

External Funding: *(Primary grants which fund my labs)*

NSF REESE, DRL1109513, "A Bayesian Approach To Number Reasoning"

\$159,164 Total costs

Years: 2011-2014

Role: PI

NIH R01, HD057258, "Development and function of nonverbal number approximation"

\$1,607,363 Total costs

Years: 2009-2014

Role: PI (Co-PI Lisa Feigenson)

NSF EAGER, DRL0937675, "The Psychophysical Assessment of Number Sense Acuity"

\$293,400 Total costs

Years: 2009-2011

Role: PI

NIH 3R01 HD057258-01A2S1, "Summer Research Experience for Students and Science Educators"

\$6700 Total costs

Years: 2009

Role: PI (Co-PI Lisa Feigenson)

NIH 3R01 HD057258-01A2S2, "Summer Research Experience for Students and Science Educators"

\$6700 Total costs

Years: 2010

Role: PI (Co-PI Lisa Feigenson)

Consortium Funding: *(Research and Training grants I have made significant contributions to)*

NSF IGERT, DGE 0549379, "Unifying the Science of Language"

\$3,182,734 Total costs

Years: 2007-2012

Role: Associated Faculty

Templeton Foundation, "Evolution, Cognition & Culture"

\$420,000, Research funds and speaker series

Years: 2007-2010

Funding breakdown: \$270,000 Metanexus Institute, \$60,000 John T.

Templeton Foundation, \$60,000 in matching funds from JHU KSAS.

Role: Associated Faculty & Member of the Advisory Board

Internal Funding: (*Internal grants awarded to me and those awarded to my students where I have functioned as the PI or sponsor for the research*)

PURA, "Inference versus instruction"

\$3,000 Total costs

Provost, The Johns Hopkins University

Years: 2006

Role: PI (Meredith Brinster, *Provost Undergraduate Research Award*)

PURA, "The Relationship between the Korean Board Game Baduk, and Processing Speed, Executive Function, and Short-Term Memory in Older Adults"

\$3,000 Total costs

Provost, The Johns Hopkins University

Years: 2008

Role: PI (Jill Lasak & Yonah Chi, *Provost Undergraduate Research Award*)

Sponsored Grants: (*External grants awarded to my students where I have functioned as the PI or sponsor for the research*)

NSF, "Logical Reasoning In Human Infants"

\$135,000, tuition and stipend costs

NSF 06-592, Graduate Research Fellowship Program

Years: 2006-2009

Role: Sponsor (Co-Sponsor Lisa Feigenson, NSF predoc to Mariko Yamaguchi)

NSERC, "Development of Number and the SNARC effect"

\$34,600, stipend and benefits costs

Natural Sciences and Engineering Research Council of Canada

Years: 2009 - 2010

Role: Sponsor (NSERC Masters Award to Darko Odic)

NSERC, "Development and interaction of the Approximate Number System and Quantifiers"

\$63,000, stipend and benefits costs

Natural Sciences and Engineering Research Council of Canada

Years: 2010 - 2013

Role: Sponsor (NSERC PhD Award to Darko Odic)

NSERC, "Visual working memory limits assessed by the Flicker paradigm"

\$17,300, stipend and benefits costs

Natural Sciences and Engineering Research Council of Canada

Years: 2011 - 2012

Role: Sponsor (NSERC Masters Award to Hrag Pailian)

Professional Activities

Organizations and Societies

Association for Psychological Science
 Cognitive Development Society
 Eastern Psychological Association
 International Society on Infant Studies
 Society for Research on Child Development
 Vision Sciences Society

Grant Review Panels

National Science Foundation, April 2005
 National Science Foundation (*ad hoc*), June 2009
 National Science Foundation (*ad hoc*), April 2010
 Several European Grant Reviews (*ad hoc*), 2009-2010

Reviewing: Books, Pre-Doc & Post-Doc Grants, Others

National Science Foundation: Linguistics, *Pre-Doctoral Fellowships*, 2010
 Cambridge University Press, *book proposals in Cognitive Science*, 2008
 MIT Press, *book proposals in Cognitive Science*, 2010
 Oxford University Press, *book proposals in Psychology*, 2008

Reviewing Journals: Ad Hoc

<i>British Journal of Developmental Psychology</i>	<i>Journal of Vision</i>
<i>BUCLD Language Conference</i>	<i>Language and Cognitive Processes</i>
<i>Child Development</i>	<i>Learning & Individual Differences</i>
<i>Cognition</i>	<i>Memory & Cognition</i>
<i>Cognitive Neuroscience</i>	<i>Neuropsychologia</i>
<i>Cognitive Science</i>	<i>Neuroscience</i>
<i>Current Biology</i>	<i>Perception & Psychophysics</i>
<i>Developmental Science</i>	<i>PLoS ONE</i>
<i>Developmental Psychology</i>	<i>Psychological Review</i>
<i>Infancy</i>	<i>Psychological Science</i>
<i>Journal of Child Language</i>	<i>Psychonomic Bulletin & Review</i>
<i>Journal of Experimental Child Psychology</i>	<i>Trends in Cognitive Sciences</i>
<i>Journal of Experimental Psychology:</i>	
<i>Learning, Memory & Cognition</i>	

Refereed Journal Publications

- Mazzocco, M.M.M., Feigenson, L. & Halberda, J. (2011).
Preschoolers' precision of the Approximate Number System predicts later school mathematics performance. *PLoS ONE* 6(9): e23749. doi:10.1371/journal.pone.0023749.
- Libertus, M., Feigenson, L., & Halberda, J. (2011).
Preschool acuity of the approximate number system correlates with school math ability. *Developmental Science*. doi: 10.1111/j.1467-7687.2011.01080.x
- Pietroski, P., Lidz, J., Hunter, T., Odic, D. and Halberda, J. (2011).
Seeing what you mean, mostly. *Syntax and Semantics*, 37, Special Issue: Experiments at the Interfaces; (Ed) Jeffrey T. Runner, 187-224.
- Mazzocco, M.M.M., Feigenson, L. & Halberda, J. (2011).
Impaired acuity of the approximate number system underlies mathematical learning disability. *Child Development*, 82: 1224–1237. doi: 10.1111/j.1467-8624.2011.01608.x
- Lidz, J., Pietroski, P., Hunter, T. & Halberda, J. (2011).
Interface transparency and the psychosemantics of 'most'. *Natural Language Semantics*, 19, 227-256.
- Zosh, J.M., Halberda, J. & Feigenson, L. (2011).
Memory for multiple visual ensembles in infancy. *Journal of Experimental Psychology: General*, 140(2), 141-158. doi: [10.1037/a0022925](https://doi.org/10.1037/a0022925).
- Spiegel, C., & Halberda, J. (2011).
Rapid fast-mapping abilities in 2-year-olds. *Journal of Experimental Child Psychology*, 109(1), 132-140. doi:10.1016/j.jecp.2010.10.013.
- 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.
- Hunter, T., Halberda, J., Lidz, J. and Pietroski, P. (2009).
Beyond Truth Conditions: the semantics of 'most'. *SALT 18, Proceedings of the Semantics and Linguistic Theory Conference*.
- Pietroski, P., Lidz, J., Hunter, T. & Halberda, J. (2009).
The meaning of 'Most': semantics, numerosity, and psychology. *Mind and Language*, 24(5), 554-585.
- Feigenson, L. & Halberda, J. (2008).
Conceptual knowledge increases infants' memory capacity. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 105(29), 9926-9930.
- Halberda, J., Mazzocco, M. & Feigenson, L. (2008).
Individual differences in nonverbal number acuity predict maths achievement. *Nature*, 455, 665-668 (doi:10.1038/nature07246).
- Halberda, J. & Feigenson, L. (2008).
Developmental change in the acuity of the "Number Sense": The approximate number system in 3-, 4-, 5-, 6-year-olds and adults. *Developmental Psychology*, 44(5), 1457-1465.
- Halberda, J., Taing, L. & Lidz, J. (2008).
The development of "most" comprehension and its potential dependence on counting-ability in preschoolers. *Language Learning and Development*, 4(2), 99-121.
- Halberda, J. (2006).

- Is this a dax which I see before me? Use of the logical argument disjunctive syllogism supports word-learning in children and adults. *Cognitive Psychology*, 53(4), 310-344.
- Halberda, J., Sires, S. & Feigenson, L. (2006).
Multiple spatially-overlapping sets can be enumerated in parallel. *Psychological Science*, 17(7), 572-576.
- Kouider, S., Halberda, J., Wood, J. & Carey, S. (2006).
Acquisition of English number marking: The singular-plural distinction. *Language Learning and Development*, 2(1), 1-25.
- Feigenson, L. & Halberda, J. (2004).
Infants chunk object arrays into sets of individuals. *Cognition*, 91, 173-190.
- Halberda, J. (2003).
The development of a word-learning strategy. *Cognition*, 87, B23-B34.
- Halberda, J.P., Middaugh, L.D., Gard, B.E., Jackson, B.P. (1997).
DAD1- and DAD2 like agonist effects on motor activity of C57 mice: Differences compared to rats. *Synapse*, 26 (1), 81-92.
- Bowers, R.L., Halberda, J.P., Mullen, L., May, K. (1997).
Captopril alters schedule induced polydipsia, urination and defecation in rats. *Pharmacology, Biochemistry, and Behavior*, 57, 353-359.

Publications In Review

- Odic, D., Pietroski, P., Lidz, J., Hunter, T. and Halberda, J. (in review).
Young Children's Discrimination of Area and Understanding of 'More'.
- Odic, D., Pietroski, P., Lidz, J., Hunter, T. and Halberda, J. (in review).
Individuals and Non-Individuals in Cognition and Semantics: the Mass/Count Distinction and Quantity Representation.
- Halberda, J., T. Hunter, P. Pietroski, & J. Lidz. (in review).
The language-number interface: evidence from the acquisition of *most*.
- Halberda, J. (in revision).
Developmental change in the strategy that supports the mapping of novel labels to novel objects in children from 17 months to 4 years of age.
- Im, H. Y. & Halberda, J. (in review).
Ensemble features and textures rely on similar mechanisms: The cases of average orientation and average size.
- Halberda, J. & de Marchena, A. (in revision).
Preschoolers and adults successfully reason combining disjunctive syllogism and transitivity of equality.
- Halberda, J., Simons, D. J. & Whetherhold, J. (in revision).
Superfamiliarity affects perceptual grouping but not the capacity of visual working memory.
- Halberda, J., Simons, D. J. & Whetherhold, J. (in revision).
The flicker paradigm provides converging evidence for a 3-item limit of visual working memory.

Commentaries and Book Chapters

- Halberda, J. & Feigenson, L. (2008). Set representations required. [Commentary] *Behavioral and Brain Sciences*, 31, 655-656.

Invited Talks and Colloquia

Number: Vision, Language and Cognition

University of California, UCSD	<i>Dept. of Psychology</i>	Spring 2011
Johns Hopkins University	<i>Neuro-Education Initiative</i>	Fall, 2010
University of Virginia	<i>Dept. of Psychology, Developmental</i>	Fall 2010
University of Rochester	<i>Brain & Cognitive Sciences</i>	Spring, 2010
Harvard University	<i>Cognition, Brain & Behavior</i>	Fall, 2009
University of Maryland, Balt. County	<i>Dept. of Psychology</i>	Winter, 2008
Scuola Internazionale Superiore di Studi Avanzati, Trieste, Italy	<i>Cognitive Science Group</i>	Fall, 2003

Word Learning and Logical Inference

Duke University	<i>Dept. of Psychology and Neuroscience</i>	Spring, 2007
Johns Hopkins University	<i>Center for Language and Speech Processing</i>	Spring, 2007
University of Delaware	<i>Dept. of Psychology, Cognitive Group</i>	Fall, 2006
University of Maryland, Col. Park	<i>Dept. of Linguistics</i>	Spring, 2006
Universite d'Aix-Marseille	<i>Psychology and Cognitive Sciences</i>	Spring, 2004
University of Wisconsin-Madison	<i>Dept. of Psychology</i>	Spring, 2003
Scuola Internazionale Superiore di Studi Avanzati, Trieste, Italy.	<i>Cognitive Science Group</i>	Fall, 2003
Yale University	<i>Dept. of Psychology, Cognitive Group</i>	Spring, 2002

Invited Conferences

- Invited speaker, *The Society for Philosophy and Psychology*. Montreal, Canada, July 2011.
- Invited speaker, *Vague Quantities and Vague Quantifiers (VQ2)*, Zentrum für Allgemeine Sprachwissenschaft (ZAS). Berlin, Germany, December 2010.
- Invited speaker, *Boston University Conference on Language Development 35, BUCLD*. Boston, MA, November 2010.
- Invited participant, "Space, Time and Number", *The 24th International Symposium on Attention and Performance*, Abbey de Vaux de Cernay, France, July 2010.
- Invited speaker, "NICHD Math Consortium Meeting", Bethesda MD, USA, May 2010.
- Invited participant, *National Academy of Sciences "German-American Frontiers of Science"*, Irvine, CA, June 2005.
- Invited participant, AHRB Hang Seng Centre "Reflections on Innateness" Conference, Sheffield, UK, April 2004.

Refereed Conference Talks

- Halberda, J. (2011). The Development of Discrete and Continuous Quantification From Infancy to Childhood. *Talk presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Halberda, J. & Zosh, J. M. (2011). Competition among referents in word learning. *Talk presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Libertus, M.E., Halberda, J. & Feigenson, L. (2011). Approximate Number Discrimination Correlates With Math Abilities in Preschoolers. *Talk presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Halberda, J. (2010). An interface between vision, numerical cognition and word meanings. *Talk presented at CogSci 2010, the Annual Meeting of the Cognitive Science Society*, August 11-14, Portland Oregon.
- Halberda, J. (2010). The Approximate Number System supports the learning and use of quantifier terms in children and adults. *Talk presented at ICIS, the International Conference on Infant Studies*, March 11-14, Baltimore, MD.
- Halberda, J., Lidz, J., Merickel, J., Hunter, T. & Pietroski, P. (2009). Approximate number representations in the acquisition of 'most'. *Talk presented at BUCLD, the Boston University Conference on Language Development*, November 6-8 Boston, MA.

- Halberda, J. (2009). An interface between vision and numerical cognition. *Talk presented at VSS, the Vision Sciences Society*, May 8-13, Naples Florida.
- Lidz, J., Halberda, J., Hunter, T., & Pietroski, P. (2009). Approximate and exact cardinality in the acquisition of most. *Talk presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Halberda, J. (2009). Mutual exclusivity as logical inference: Evidence for domain general disjunctive syllogism in 2-3 year olds. *Talk presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Halberda, J., Lidz, J., Pietroski, P., & Hunter, T. (2009). Set based visual processing in the acquisition of 'most'. *Talk presented at LSA, the Linguistic Society of America*, January 8-11 San Francisco, CA.
- Pietroski, P., Halberda, J., Hunter, T., & Lidz, J. (2009). Beyond truth conditions: The semantics of 'most'. *Talk presented at LSA, the Linguistic Society of America*, January 8-11 San Francisco, CA.
- Halberda, J. (2008). Developmental change in the computations that support the mapping of novel labels to novel objects. *Talk presented at ICIS, the International Conference on Infant Studies*, Vancouver BC, Canada.
- Hunter, T., Halberda, J., Lidz, J. & Pietroski, P. (2008). Beyond truth conditions: The semantics of 'most'. *Talk presented at SALT 18, the 18th conference of Semantics and Linguistic Theory*, March 21-23, Amherst Massachusetts.
- Halberda, J., Hunter, T., Pietroski, P. & Lidz, J. (2008). An interface between language and vision: quantifier words and set-based processing. *Talk presented at VSS, The Vision Sciences Society*, May 9-14, Naples Florida.
- Halberda, J., Lidz, J., Pietroski, P. & Hunter, T. (2007). Language and number: Towards a psychosemantics for natural language quantifiers. *Talk presented at HOWL 4, the 4th Hopkins Workshop on Language: Grammar in Cognition*, October 12-14, Baltimore Maryland.
- Halberda, J. (2006). Logical inference, domain generality, and word-learning. *Invited talk presented at the annual meeting of the Eastern Psychological Association*, Baltimore, MD.
- Taing, L., Halberda, J. & Feigenson, L. (2006). Counting in deaf and hearing individuals: An interaction of language and thought. *Talk presented at EPA, the annual meeting of the Eastern Psychological Association*, Baltimore, MD.
- Halberda, J. & Feigenson, L. (2005). Counting without individuals: Rapid parallel enumeration implicates preattentive object-files. *Talk presented at VSS, the Vision Sciences Society*, Sarasota, FL.
- Halberda, J. (2005). Logical inference motivates word-learning in two-year-olds. *Talk presented at SRCD, the Society for Research in Child Development*, Atlanta, GA.
- Kouider, S., Feigenson, L., Wood, J., Halberda, J. & Carey, S. (2004). Infant's understanding of the singular-plural distinction. *Talk presented at SPP-ESPP, The First Joint Conference of the Society for Philosophy & Psychology and The European Society for Philosophy & Psychology*, Barcelona, SPAIN.
- Halberda, J.P. (2002). Word-learning as logical inference: The case of mutual exclusivity. *Talk presented at BUCLD, the Boston University Conference on Language Development*, Boston MA, USA.

Refereed Conference Posters

- Odic, D., Hock, H. and Halberda, J. (2011). The effect of confidence hysteresis on number perception and decision-making. *Poster presented at CogSci, the 33rd Annual Conference of the Cognitive Science Society*, July 20-23, Boston, MA.
- Halberda, J. (2011). An ensemble group functions as a single item for attention and memory. *Poster presented at VSS, the Vision Sciences Society*, May 6-11, Naples, FL.
- Im, H. Y., Zhang, W., & Halberda, J. (2011). Capacity and resolution for approximate number in perception and memory. *Poster presented at VSS, the Vision Sciences Society*, May 6-11, Naples, FL.
- Odic, D., Hock, H., & Halberda, J. (2011). The effect of confidence hysteresis on numerical discrimination. *Poster presented at VSS, the Vision Sciences Society*, May 6-11, Naples, FL.
- Pailian, H. & Halberda, J. (2011). Individual Differences in VWM Capacity Assessed by the Flicker Task. *Poster presented at VSS, the Vision Sciences Society*, May 6-11, Naples, FL.
- Vogel, S., Price, G., Halberda, J., Ly, R. & Ansari, D. (2011). Cerebral correlates of non-symbolic numerical magnitude processing: the role of surface area. *Poster presented at HBM, Human Brain Mapping*, June 26-30, Quebec City, Canada.

- Slusser, E.B., Shusterman, A., Halberda, J. & Odic, D. (2011). The role of non-verbal numerical representations in the acquisition of early number word meanings. *Poster presented at JPS, 41st Annual Meeting of the Jean Piaget Society*, June 2-4, Berkeley, California.
- Mazzocco, M., Feigenson, L. & Halberda, J. (2011). Impaired Acuity of the Approximate Number System Underlies Mathematical Learning Disability (Dyscalculia). *Poster presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Odic, D., Hunter, T., Lidz, J.L., Pietroski, P., Steven-White, A. & Halberda, J. (2011). Children's understanding of mass-noun "more". *Poster presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Libertus, M., Stevenson, A., Odic, D., Feigenson, L. & Halberda, J. (2011). The Developmental Vocabulary Assessment for Parents (DVAP): A Novel Tool to Measure Vocabulary Size in 3- to 5-year-old Children. *Poster presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Mazzocco, M., Halberda, J. & Feigenson, L. (2011). Precision of the Approximate Number System (ANS) Predicts Later Mathematics Performance. *Poster presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Shusterman, A., Slusser, E.B., Halberda, J. & Odic, D. (2011). Connecting Early Number Word Knowledge and Approximate Number System Acuity. *Poster presented at SRCD, the Society for Research in Child Development*, March 31- April 2, Montreal, Quebec.
- Im, H. Y. & Halberda, J. (2010). The time course of consolidation of ensemble feature in visual working memory. *Poster presented at VSS, the Vision Sciences Society*, Naples, FL.
- Odic, D., Ly, R., Hunter, T., Pietroski, P., Lidz, J. & Halberda, J. (2010). Number and area perception engage similar representations: evidence from a discrimination task. *Poster presented at VSS, the Vision Sciences Society*, Naples, FL.
- Halberda, J., Le Corre, M., Odic, D. & Stevenson, A. (2010). Young children's mapping between exact and approximate meanings for number words. *Poster presented at ICIS, the International Conference on Infant Studies*, March 11-14, Baltimore, MD.
- Halberda, J. & Nichols, S. (2010). Young children's understanding of possible and impossible events in a physical probability device. *Poster presented at ICIS, the International Conference on Infant Studies*, March 11-14, Baltimore, MD.
- Ly, R., Im, H. Y. & Halberda, J. (2009). Spatial overlap of collections affects the resolution of ensemble features. *Poster presented at VSS, the Vision Sciences Society*, May 8-13, Naples Florida.
- Spiegel, C., Yamaguchi, M., Heverly-Fitt, S. & Halberda, J. (2009). Children's use of Disjunctive Syllogism in mapping novel voices to novel characters. *Poster presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Yamaguchi, M., Austin, R., Halberda, J., & Feigenson, L. (2009). Preschoolers' use of mutual exclusivity in a social context. *Poster presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Spiegel, C., Nishimura, M., Hritz, A., & Halberda, J. (2009). Toddlers learn multiple new words in 3 seconds flat. *Poster presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Halberda, J., Lidz, J., Hunter, T., Pietroski, P., & Ekman, K. (2009). Development of "most" comprehension in 42-60 month olds. *Poster presented at SRCD, the Society for Research in Child Development*, April 2-4 Denver, CO.
- Mónica López-González, Géraldine Legendre, Justin Halberda (2008). Acquisition of spanish's ser and estar: Experimental evidence for insensitivity to copular semantics. *Poster presented at IASCL08, the International Congress for the Study of Child Language*, July 28 – August 1, Edinburgh, SCOTLAND.
- Zosh, J., Feigenson, L. & Halberda, J. (2008). Parallel enumeration of multiple spatially-overlapping sets in infancy. *Poster presented at ICIS, the International Conference on Infant Studies*, Vancouver BC, CANADA.
- Spiegel, C., Zosh, J. & Halberda, J. (2008). Children use Disjunctive Syllogism and fast-mapping to learn multiple novel labels in a single session. *Poster presented at ICIS, the International Conference on Infant Studies*, Vancouver BC, CANADA.
- Halberda, J. (2007). Subitizing sets and set-based selection: Early visual features determine what counts as an individual for visual processing. *Poster presented at VSS, the Vision Sciences Society*, Sarasota, FL.
- Zosh, J. M., Feigenson, L., & Halberda, J. (2007). Infants' ability to enumerate multiple spatially-overlapping sets in parallel. *Poster presented at VSS, the Vision Sciences Society*, Sarasota, FL.

- Yamaguchi, M., Halberda, J., & Feigenson, L. (2007). Preschoolers' use of mutual exclusivity for mapping individual faces & voices. *Poster presented at SRCD, the Society for Research in Child Development*, Boston, MA.
- Zosh, J., Brinster, M. & Halberda, J. (2007). Inference Is Better Than Instruction. *Poster presented at SRCD, the Society for Research in Child Development*, Boston MA, USA.
- Franconeri, S., Halberda, J., Alvarez, G., & Feigenson, L., (2004). Common fate can define objects in multiple-object tracking. *Poster presented at VSS, the Vision Sciences Society*, Sarasota, FL.
- Halberda, J.P. (2003). Two-year-olds' fast-mapping of novel labels: How fast is fast? *Poster presented at SRCD, the Society for Research in Child Development*, Tampa Bay, FL.
- Feigenson, L. & Halberda, J.P. (2002). Looking at the limits on numerical ability: Infants chunks large sets into smaller sets. *Poster presented at ICIS, the International Conference on Infant Studies*, Toronto, CANADA.
- Sorrentino, C. M. & Halberda, J.P. (2001). Do multiple proper names indicate multiple individuals? Evidence from children and adults. *Poster presented at SRCD, the Society for Research on Child Development*, Minneapolis, MN.
- Halberda, J.P. (2000). The novel label/novel object strategy: A case of developmental discontinuity? *Poster presented at ICIS, the International Conference on Infant Studies*, Brighton, ENGLAND.
- Halberda, J.P. (1999). Do novel labels go with novel objects? Evidence from a new word learning paradigm. *Poster presented at SRCD, the Society for Research on Child Development*, Albuquerque, NM.
- Rayls, K., Waid L. R., & Halberda, J. P. (1998). Correlates of attention deficit disorder in adults: Differential diagnosis. *Poster presented at APA, the Meeting of the American Psychological Association*, San Francisco, CA.
- Middaugh, L.D., Halberda, J.P., Gard, B.E. (1996). The DAD2-like agonist quinpirole produces monotonic reductions in motor activity of C57 mice. *Poster presented at Neuroscience, Society for Neuroscience Abstracts*, 22.

Graduate Advising (Primary)

- Hrag Pailian Director of Ph.D. dissertation committee. Department of Psychological and Brain Sciences, Johns Hopkins University (Ph.D. expected 2015)
- Darko Odic Director of Ph.D. dissertation committee. Department of Psychological and Brain Sciences, Johns Hopkins University (Ph.D. expected 2014)
- Hee Yeon Im Director of Ph.D. dissertation committee. Department of Psychological and Brain Sciences, Johns Hopkins University (Ph.D. expected 2013)
- Chad Spiegel Director of M.A. thesis committee. "Fast-mapping in two-year-olds: referent selection and referent retention of multiple novel labels" Department of Psychological and Brain Sciences, Johns Hopkins University (2009)
- Len Taing Director of M.A. thesis committee. "Counting in deaf and hearing individuals: An interaction of language and thought" Department of Psychological and Brain Sciences, Johns Hopkins University (2006)

Graduate Advising (Secondary)

- Mariko Moher (Yamaguchi) Secondary Advisor of Ph.D. dissertation (Lisa Feigenson – Primary). "Selection and representation of multiple items in working memory by infants" Department of Psychological and Brain Sciences, Johns Hopkins University (2011)
- Jennifer Zosh Secondary Advisor of Ph.D. dissertation (Lisa Feigenson – Primary). "Beyond 'what' and 'how many': An investigation of working memory for objects in infancy" Department of Psychological and Brain Sciences, Johns Hopkins University (2008)

Graduate and Select Undergraduate Advising (Other)

- External examiner for Ph.D. dissertation. Mónica López-González. "Ser and Estar: their syntax,

semantics, pragmatics, and acquisition in Mexican Spanish" Department of Cognitive Science, Johns Hopkins University (2010)

External examiner for Ph.D. dissertation. Lisa levers. "Mind, nature and normativity in Hume" Department of Philosophy, Johns Hopkins University (2010)

External examiner for Ph.D. dissertation. Eric Morton. "Naturalism, normativity, and the space of reason" Department of Philosophy, Johns Hopkins University (2009)

External examiner for Ph.D. dissertation. Viplav Saini. "Endogenous asymmetries in dynamic procurement auctions" Department of Economics, Johns Hopkins University (2009)

External examiner for Ph.D. dissertation. Christopher J. Metcalf. "Essays on the economics of innovation and technology" Department of Economics, Johns Hopkins University (2007)

External examiner for Ph.D. dissertation. Adam Buchwald. "Sound structure representation, repair and well-formedness: Grammar in spoken language production" Department of Cognitive Science, Johns Hopkins University (2006)

Member of B.A. Honors thesis committee. Rachel Austin. Johns Hopkins University (2010)

Member of B.A. Honors thesis committee. Arin Tuerk. Johns Hopkins University (2008)

Director of B.A. Honors thesis committee. Meredith Brinster. Johns Hopkins University (2007)

Director of B.A. Honors thesis committee. Turner Cobden. Johns Hopkins University (2007)

Member of B.A. Honors thesis committee. Jared Saletin. Johns Hopkins University (2007)

Member of B.A. Honors thesis committee. .Dylan Selterman. Johns Hopkins University (2006)

Courses Taught

Student evaluations available upon request

Mental Models, Mental Logic,

Undergraduate Upper-level Seminar, ≈ 15 students per semester
Johns Hopkins University, 2004, 2005

Foundations of Mind, (w/ Lisa Feigenson)

Undergraduate Intro-level Lecture & Lab, ≈ 50 students per semester
Johns Hopkins University, 2005, 2006, 2007, 2008, 2009, 2011

Advanced Seminar in Cognitive Psychology, (w/ related faculty)

Graduate Survey Seminar, ≈ 12 students per semester
Johns Hopkins University, 2004, 2006, 2008, 2010

Advanced Seminar in Cognitive Development, (w/ Barbara Landau)

Graduate Seminar, ≈ 10 students per semester
Johns Hopkins University, 2008

Advanced Seminar in Vision, (w/ related faculty)

Graduate Seminar, ≈ 15 students per semester
Johns Hopkins University, 2005, 2006, 2007, 2008, 2009, 2010, 2011

Graduate Seminar in Semantics and Language Acquisition, (w/ Jeff Lidz, Paul Pietroski)

Graduate Seminar, ≈12 students per semester
University of Maryland, Linguistics, 2006

Careers in Psychology,

Undergraduate Intro-level Survey & Talk Series, ≈ 100 students per semester
Johns Hopkins University, 2008, 2009, 2010, 2011

Advanced Practicum in Teaching, (w/ Amy Shelton)

Graduate Seminar, ≈ 3 students per semester
Johns Hopkins University, 2008, 2009, 2010, 2011

Past Courses

Advanced Seminar in Cognitive Development, (w/ Lisa Feigenson)

Graduate Seminar, ≈12 students per semester
Department d'Etudes Cognitives, ENS, Paris, 2004

Origins of Knowledge,

Undergraduate Intro-level Lecture & Lab, ≈ 20 students per semester
Teaching Fellow, Harvard University, 2003

Cognitive Psychology,

Undergraduate Intro-level Lecture & Section, ≈ 20 students per semester
Teaching Fellow, Harvard University, 2001

Evolutionary Psychology,

Undergraduate Intro-level Lecture & Section, ≈ 25 students per semester
Teaching assistant, New York University, 2000

Introductory Logic I & II,

Undergraduate One-on-One Tutoring, ≈ 10 students per semester
Teaching assistant, College of Charleston, 1997

Physiological Psychology Lab,

Undergraduate Rodent Lab Course, ≈ 20 students per semester
Teaching assistant, College of Charleston, 1996

Examples of University and Departmental Service

Director of Undergraduate Studies, Psychological and Brain Sciences. 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12

Search Committee for University Social Sciences Research Librarian. 2005-06, 2006-07

Director of Undergraduate Steering Committee in Psychology. 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12

Faculty Advisor to Psi Chi, National Honors Society in Psychology. 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12

Departmental Liaison for Research Library Services. 2005-06, 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12

Review of Academic Assessment for Psychology, regional and federal accreditation. 2008-09, 2009-10
Advisory Board, JHU Teaching Certification. 2009-10

Rhodes Scholar Finalist Interviews (Panel member). 2009

Fullbright Grantee Interviews (Panel member). 2010