

CURRICULUM VITAE

Lisa Cantrell

Assistant Professor of Child Development
California State University Sacramento

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EDUCATION and TRAINING

- 2013-2017 Post Doctoral Researcher at the University of California-Davis
Infant Cognition Laboratory, PI: Lisa Oakes
- 2013 Ph.D. in Psychology, Indiana University
Cognitive Development Laboratory, PI: Linda B. Smith
- 2007 B.S. Psychology
Furman University, Greenville, South Carolina

PUBLICATIONS

11. Beckner, A.G., **Cantrell, L.M.**, Martinez, M., & Oakes, L.M. (under revision). The effect of attend-to-me signals on young infants' visual short-term memory for object identity.
10. DeBolt, M.C., Pomaranski, K.I., Zaghrou, N., Mitsven, S., **Cantrell, L.M.**, Luck, S.J., & Oakes, L.M. (in prep). The effect of stimulus preference on visual search in infancy: A test-retest replicability study.
9. Oakes, L.M., Sperka, D., DeBolt, M.C., & **Cantrell, L.M.**, (2019). Habit2: A stand-alone software solution for presenting stimuli and recording infant looking times to study infant development. *Behavior Research Methods*, 1-10.
8. **Cantrell, L.M.**, Kanjlia, S., Harrison, M., Luck, S.J., & Oakes, L.M., (2019). Individuation as a limiting factor in 6-month-old infants' visual short-term memory. *Developmental Psychology*.
7. Mitsven, S., **Cantrell, L.M.**, Oakes, L.M., & Luck, S., (2018). Infants' visual short term memory is a working memory. *Cognition*, 177, 189-197.
6. **Cantrell, L.M.**, Boyer, T., Cordes, S., & Smith, L.B. (2015). Signal Clarity: An account of the variability in infant quantity discrimination tasks. *Developmental Science*. doi: 10.1111/desc.12283
5. **Cantrell, L.M.**, Kuwabara, M., & Smith, L.B. (2015). Effect of set size and culture on attention to number. *Journal of Experimental Child Psychology*. 131, 19-37
4. Arias-Trejo, N., **Cantrell, L.M.**, Smith, L.B., & Alva Canto, E.A. (2014). Comprehension of the Spanish Plural. *Journal of Child Language*. 41, 1356-1372.

3. **Cantrell, L.M.** & Smith, L.B. (2013). Open questions and a proposal: a critical review of the evidence on infant numerical abilities. *Cognition*, *128*, 331-352.
2. **Cantrell, L.M.** & Smith, L.B. (2013). Set Size and Attention to Shape. *Cognition*, *126*, 258-267.
1. Hahn, E.H., & **Cantrell, L.M.** (2011) The shape bias in Spanish-speaking children and its relationship to vocabulary. *Journal of Child Language*, *39*, 443-455.

CONFERENCE TALKS

Cantrell, L.M., Boyer, T., Cordes, S., & Smith, L.B. (2013, April). Signal clarity for infant quantity representation. Talk presented at the Society on Research in Child Development, Seattle, WA.

Cantrell, L.M., Kuwabara, M., & Smith, L.B. (2013, April). The influence of culture and set size on attention to number. Talk presented at the Society on Research in Child Development, Seattle, WA.

Cantrell, L.M., Boyer, T., Cordes, S., & Smith, L.B. (2013, January). Signal clarity for infant numerical representation. Talk presented at the Budapest CEU Conference on Cognitive Development, Budapest, Hungary.

Cantrell, L.M., Arias-Trejo, N., Alva Canto, E.A., & Smith, L. B. (2011, April). Input (probably) matters: acquisition of plural form and meaning. Talk presented at the Society on Research in Child Development, Montreal, Canada.

Arias-Trejo, N., **Cantrell, L.M.**, Alva Canto, E.A., & Smith, L.B., (2011, October). Novel referent identification through plural Spanish morphology. Talk presented at Trends in Cognitive Psychology, Novi Sad, Serbia.

Arias-Trejo, N., **Cantrell, L.M.**, Pérez Paz V.I. Guerrero Ortíz-Hernán B., & Alva Canto E.A. (2011, October). Distinción entre el singular y el plural en el Segundo año de vida. *XIX Congreso Mexicano de Psicología*, Cancun, Mexico.

Cantrell, L.M. & Smith, L.B. (2010, June). Perception and language: effect of number on individuation of objects. Paper presented at the 4th International Conference of Cognitive Science, Tomsk, Russia.

Cantrell, L.M. & Smith, L.B. (2010, March). Knowing the plural is plural. Talk presented at the International Conference on Infant Studies, Baltimore, MD.

Cantrell, L.M. & Smith, L.B. (2009, July). Number and size matter: discrete vs. continuous entities. Paper presented at the 31st Annual Conference of the Cognitive Science Society.

Amsterdam, The Netherlands.

POSTER PRESENTATIONS

Beckner, A.G., **Cantrell, L.M.**, & Oakes, L.M. (2019, March). Overt Attention Enhances Visual Short-Term Memory Performance during Early Infancy. Poster presented at the Society for Research in Child Development, Baltimore, MD.

Beckner, A.G., **Cantrell, L.M.**, Martinez, M., & Oakes, L.M. (2018, June). The effect of attend-to-me signals on young infants' visual short-term memory for object identity. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.

DeBolt, M.C., Pomaranski, K.P., **Cantrell, L.M.**, Zaghloul, N.A., & Oakes, L.M. (2017, April). The effect of stimulus preference on visual search in infancy: a test re-test reliability study. Poster presented at the Cognitive Development Society, Portland, OR.

DeBolt, M.C., **Cantrell, L.M.**, Mitsven, S., Smilowitz, J.T., & Oakes, L.M. (2017, October). Influence of delivery mode on visual search in infancy. Poster presented at the Society for Research in Child Development, Austin, TX.

Cantrell, L.M., Kwon, M.K., & Oakes, L.M. (2016, May). Signal Clarity for infant numerical representation: the role of non-numerical dimensions and infants' visual processing. Poster presented at the International Congress on Infant Studies, New Orleans, LA.

DeBolt, M.C., **Cantrell, L.M.**, Vo, T., & Oakes, L.M. (2016, May). Influence of adult and infant directed face movement and race on visual attention. Poster presented at the International Congress on Infant Studies, New Orleans, LA.

Mitsven, S., **Cantrell, L.M.**, & Oakes, L.M. (2015, October). Finding the oddball: factors that influence infants' visual search. Poster presented at the Cognitive Development Society, Columbus, OH.

Harrison, M.H., **Cantrell, L.M.**, Baumgartner, H.A., Luck, S.J., & Oakes, L.M., (2015, April). Individuation cues enhance visual-short-term memory at 6 months of age. Poster presented at the Society on Research in Child Development, Philadelphia, PA.

Mitsven, S., **Cantrell, L.M.**, Luck, S.J., & Oakes, L.M. (2015, April). Is visual short-term memory a working memory? Using VSTM to guide attention in a visual search task. Poster presented at the Society on Research in Child Development, Philadelphia, PA.

Nelson, A.P., Wharton, S.E., **Cantrell, L.M.**, & Oakes, L.M. (2015, May). Side biases in infants' processing of dynamic own-and other-race faces. Poster presented at the Society on Research in Child Development, Philadelphia, PA.

Cantrell, L.M., Veale, R., & Smith, L.B. (2014, May). The influence of novelty and familiarity on saccadic behavior to the periphery. Poster presented at the Vision Sciences Society Annual Meeting, St. Pete Beach, FL.

Cantrell, L.M., Boyer, T., & Smith, L.B. (2013, May). The role of redundancy and density in infant quantity representation and discrimination. Poster presented at the Vision Sciences Society Annual Meeting, Naples, FL.

Cantrell, L.M., Kuwabara, M., Kercheval, C., & Smith, L.B. (2011, October). Cross-cultural differences in attention to number. Poster presented at the Cognitive Development Society, Philadelphia, PA.

MacKinnon, S., **Cantrell, L.M.,** & Smith, L.B. (2011, October), Two is not tiso: children's mapping of plural syntax to sets of objects. Poster presented at the Cognitive Development Society, Philadelphia, PA.

Cantrell, L.M. & Smith, L.B. (2009, October). Number Matters: Discrete vs continuous entities. Poster presented at the Cognitive Development Society, San Antonio, TX.

Cantrell, L.M. & Smith, L.B. (2009, April). Discrete vs Continuous Mass: The role of number and language. Poster presented at the Society on Research in Child Development, Denver, CO.

Cantrell, L.M. & Hahn E.H. (2007, October). The Development of the Shape Bias: A cross-linguistic study between English and Spanish. Poster presented at the Cognitive Development Society, Santa Fe, NM.

INVITED TALKS

University of Chicago, Spatial Intelligence and Learning Center, Conference on Space and Mathematics. Invited speaker. Title: Signal Clarity for infant numerical representation; November 2015.

University of Wisconsin, Madison- talk given at Psychology Department Brown Bag; Title: Understanding Quantity Discrimination in Infants and Young Children; September 2014

University of Rochester- talk given to Developmental Psychology group; Title: Understanding Numerical Judgments in Infants, Young Children, and Adults; November 2013

FELLOWSHIPS

2013-2014 Postdoctoral Fellowship, NEI Vision Sciences Training Grant, UC-Davis
2009-2012 National Science Foundation Graduate Fellowship
2004 Hipp Fellowship for development of rehabilitation center, Santiago, Chile,

AWARDS and GRANTS

2019 CSUS Associated Students Inc. Innovative Pilot Program Grant, \$5000
2018 CSUS University Enterprise Inc. Campus Grant, \$4793
2017 CSUS University Enterprise Inc. Campus Grant, \$4880
2015 Innovative Teaching Grant, Association of Psychological Sciences, \$4500
2013 IU PBS Women in Science Travel Grant
2013 Society for Research in Child Development Student Travel Award
2013 IU Provost Travel Award for Women in Science
2013 IU College of Arts and Sciences Travel Grant
2010 IU GPSO Travel Grant
2010 International Conference on Cognitive Science Travel Grant
2009 Cognitive Science Society Travel Grant
2009 Tinker Field Research Grant for research in Mexico City, Mexico
2007 Furman University Burt Scholarship for Excellence in Psychology
2007 Furman Engaged Learning Grant, undergraduate thesis work in Mexico City
2006 Furman Advantage Scholarship for summer research at Indiana University

TEACHING EXPERIENCE

Academic Courses

Language Development, CSUS (2018-2019)
Mind and Brain in Developmental Context, CSUS (2017-2019)
Cognitive Development, UC Davis (2015), CSUS (2017-2018)
Infant Development, UC Davis (2016)
Research Methods, Indiana University (2011)

Public Education:

An InExact Science (psychology podcast), creator and producer, September 2014-present
Website: <http://aninexactscience.com>
Funded by a teaching grant from the Association for Psychological Sciences
Press: <http://www.sciencemag.org/careers/2016/11/scientists-ride-podcasting-wave>

Capital Storytelling (live storytelling and audio production), January 2018-present
Website: <https://capitalstorytelling.com/>
Funded by a grant from California State University, Sacramento
Workshop instructor
Event organizer

SERVICE and NONPROFIT WORK

Pudiyador, Chennai, India, Multimedia Story Consultant, 2018-2019
ShortsNLongs, Davis storytelling project, founder and organizer, December 2014-2016
KDVS, Davis, CA, Public Affairs on-air host, June 2014-2016

ThirdSpace Art Collective, Davis, CA, Board Member, April 2014-2017
Bloomington Area Music Co-Director, 2013
Bloomington Clay Studio member and volunteer, 2012-2013