

## CURRICULUM VITAE

### **Lisa Cantrell**

Assistant Professor of Child Development  
California State University Sacramento

Email: [lisa.cantrell@csus.edu](mailto:lisa.cantrell@csus.edu)

#### **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. 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.
10. Beckner, A.G., **Cantrell, L.M.**, Debolt, M.C., Martinez, M., Luck, S.J., & Oakes, L.M. (2020). Visual short-term memory for overtly attended objects during infancy. *Infancy*, 25, 347-370.
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*. 55, 905.
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*. 18, 877-893
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.**, Zaghoul, 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

## **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 Gant  
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

## **TEACHING EXPERIENCE**

### **College Level Courses**

Language Development, CSUS (2018-2020)  
Mind and Brain in Developmental Context, CSUS (2017-2019)  
Cognitive Development, UC Davis (2015), CSUS (2017-2020)  
Development of Gender and Sexuality Graduate Seminar, CSUS (2019)  
Infant Development, UC Davis (2016)  
Research Methods, Indiana University (2011)

### **Public Storytelling Courses**

Oral Storytelling 101, Capital Storytelling  
Oral Storytelling 201, Capital Storytelling  
Comedic Storytelling 101, Capital Storytelling and Sacramento Comedy Spot  
Audio-Radio Storytelling 101, Capital Storytelling

## **MULTI-MEDIA and SCIENCE EDUCATION**

An InExact Science (podcast), creator and producer, September 2014-2019

Website: <http://aninexactscience.com>

Press: <http://www.sciencemag.org/careers/2016/11/scientists-ride-podcasting-wave>

Ocean Aliens (YouTube channel), editor and producer, August 2020-present

Channel: <https://www.youtube.com/channel/UCctFfUkYx0ooQzwf95NnWeg>

## **SERVICE and NONPROFIT WORK**

Capital Storytelling, Founder and Executive Director, January 2018-present  
Pudiyador, Chennai, India, Multimedia Story Consultant, 2018-2020  
ThirdSpace Art Collective, Davis, CA, Membership Director, 2014-2017  
Bloomington Area Music Co-Director, 2013